

CHART DISCUSSION 21-Nov-2025

Melbourne Long Range Forecast for the Upcoming Period



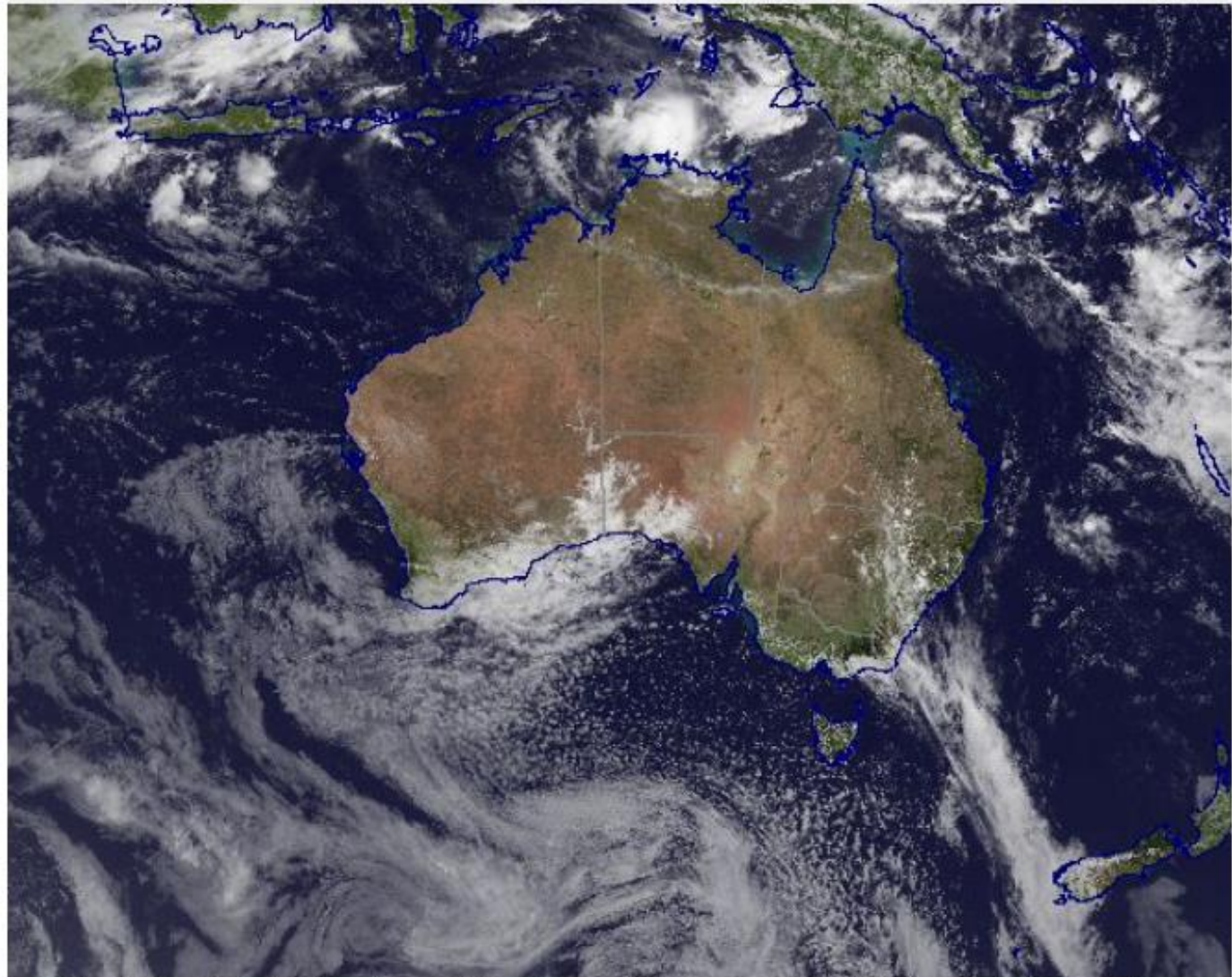
NOAA Data At: 10am, 20-11-2025

Minimum temperatures are for the night/early morning, maximum temperatures are for the daytime, whilst precipitation amounts and probabilities are for the 24 hours from midnight.

Temperatures for the Melbourne observation site (at Olympic Park) are in brackets.

Day & Date	Morning	Afternoon	Min Temp (deg C)	Max Temp (deg C)	Precip Amount (mm)	Precip Prob (%)	9am Wind/ 3pm Wind Melb Apt (km/hr)
Fri-21-11-2025	Haze. 	Haze. 	10 (9.4)	21.3 (19.9)	0	1	SSE 8 S 12 Gusts35
Sat-22-11-2025	Partly Cloudy. 	Shower. 	11 (10.3)	24.2 (23.2)	1.1	57	SSE 8 S 12 Gusts35
Sun-23-11-2025	Partly Cloudy. 	Shower. 	16.3 (15.4)	25.3 (24.2)	0.4	51	SSE 8 S 12 Gusts35
Mon-24-11-2025	Partly Cloudy. 	Cloudy. 	16.6 (15.9)	29.3 (28.5)	0	36	N 15 NNE 20 Gusts50
Tue-25-11-2025	Cloudy. 	Partly Cloudy. 	16.9 (16.4)	27.3 (25.9)	0	35	SW 8 S 10 Gusts30
Wed-26-11-2025	Shower. 	Thunder. 	15.8 (15.3)	25.2 (24.4)	4.4	76	NNW 15 WNW 15 Gusts50
Thu-27-11-2025	Shower. 	Shower. 	13 (12.8)	19.9 (18.4)	1.4	62	WSW 25 SSW 25 Gusts60
Fri-28-11-2025	Cloudy. 	Sunny. 	11.9 (11.6)	21.2 (20)	0	20	SW 8 S 10 Gusts30
Sat-29-11-2025	Cloudy. 	Sunny. 	12.7 (12.3)	22 (20.7)	0	22	SW 8 S 10 Gusts30
Sun-30-11-2025	Cloudy. 	Thunder. 	14.8 (14.2)	25.1 (25)	2.6	57	N 40 N 35 Gusts80

Yesterday's Satellite Image: Thu-20-Nov-2025



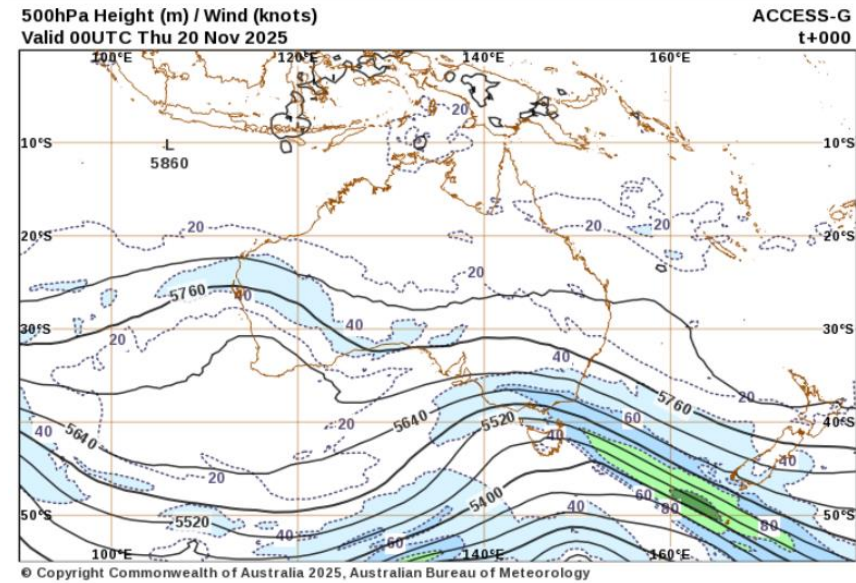
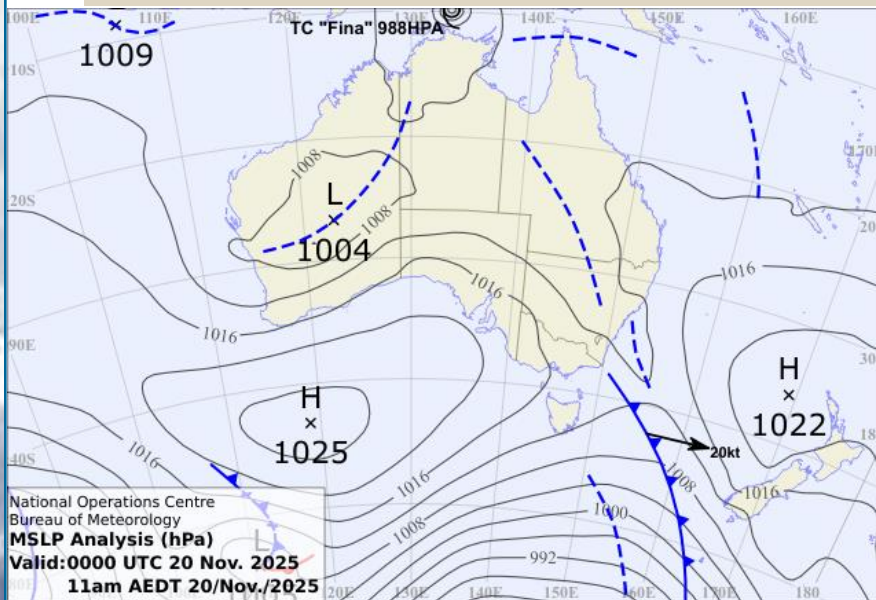
AUSTRALIAN GOVERNMENT - BUREAU OF METEOROLOGY - 20 NOV 25 02:30 UTC

http://reg.bom.gov.au/australia/charts/synoptic_col.shtml

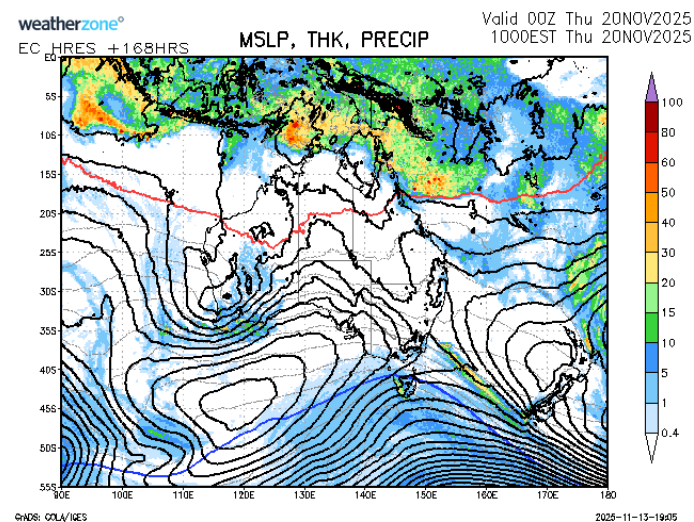
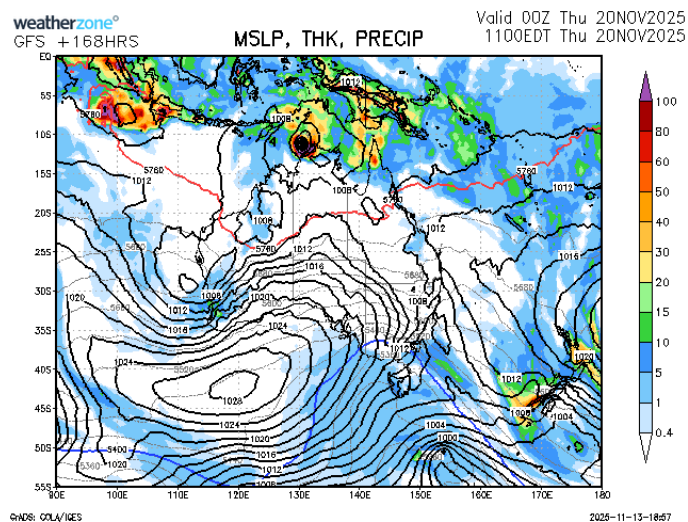
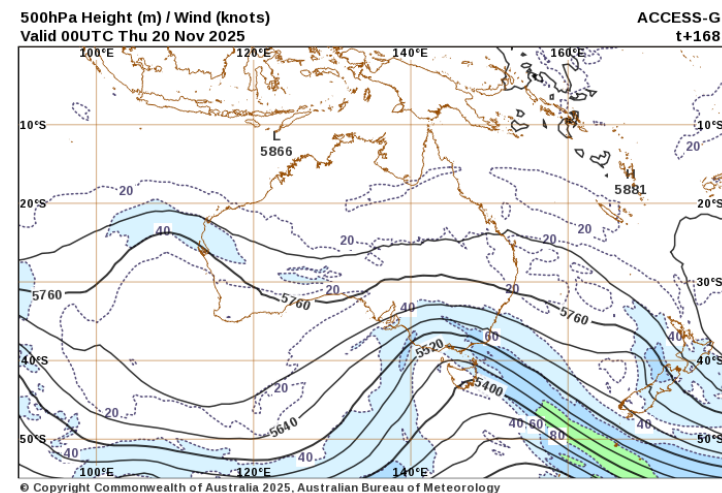
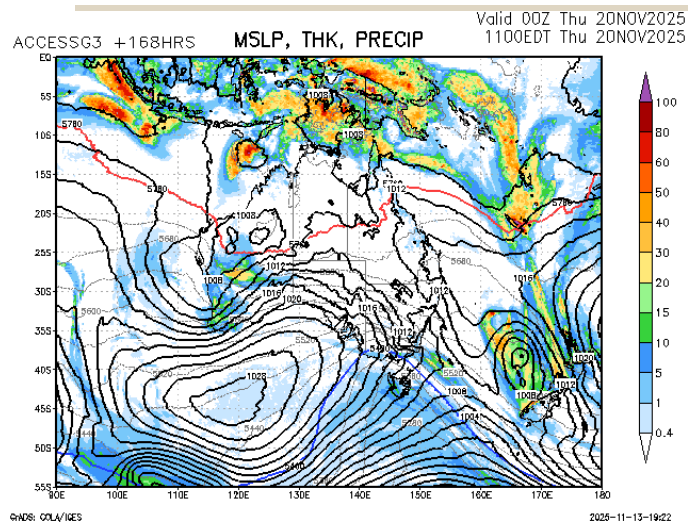
http://reg.bom.gov.au/charts_data/IDY20002/current/pressureHgt/500hPa/IDY20002.pressureHgt-500hPa.000.png

<https://meteologix.com/au/model-charts/standard/australia/geopotential-height-500hpa.html>

Yesterday's Analyses: Thu-20-Nov-2025



Last Week's NWP Models: Thu-20-Nov-2025



Next Week's BoM MSLP & Thickness Charts

Link:

<http://www.weather-climate.com/ChartsSequence1.html>

Next Week's BoM MSLP & Precip Charts

Link:

<http://www.weather-climate.com/ChartsSequence2.html>

Next Week's BoM 850 hPa Temp Charts

Link:

<http://www.weather-climate.com/ChartsSequence3.html>

Next Week's BoM Jet Stream Charts

Link:

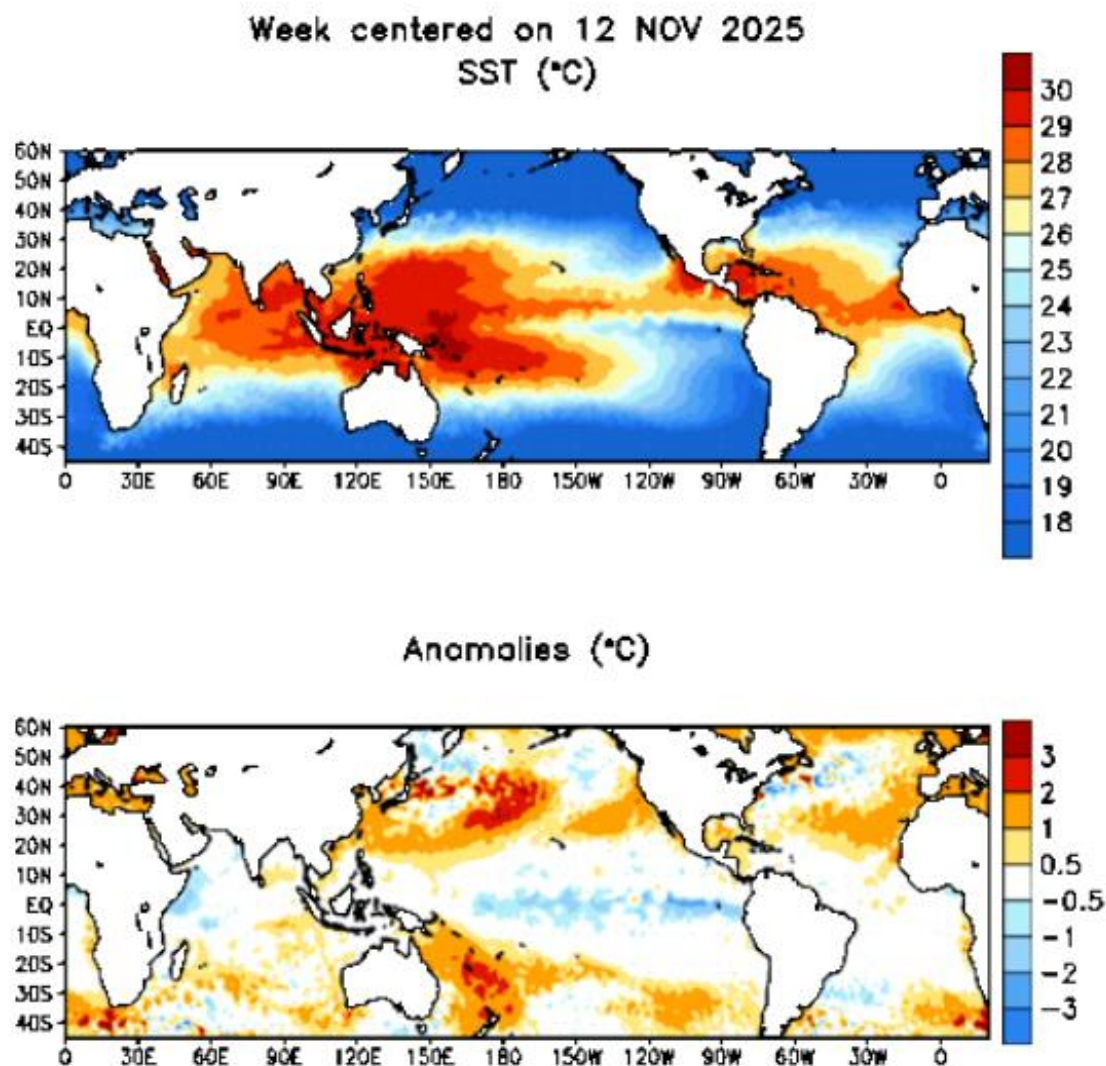
<http://www.weather-climate.com/ChartsSequence4.html>

Climate Indices (1)

Current sea surface temperature anomaly distribution:

http://www.cpc.ncep.noaa.gov/products/analysis_monitoring/enso_update/gsstanim.gif

https://climatereanalyzer.org/clim/sst_daily/?dm_id=world2



Climate Indices (2)

<https://psl.noaa.gov/enso/mei/> <https://www.longpaddock.qld.gov.au/soi/> <http://reg.bom.gov.au/climate/enso/indices.shtml?bookmark=ioid>

<http://reg.bom.gov.au/climate/mjo/>

<http://reg.bom.gov.au/climate/enso/#tabs=Pacific-Ocean&pacific=SOI>

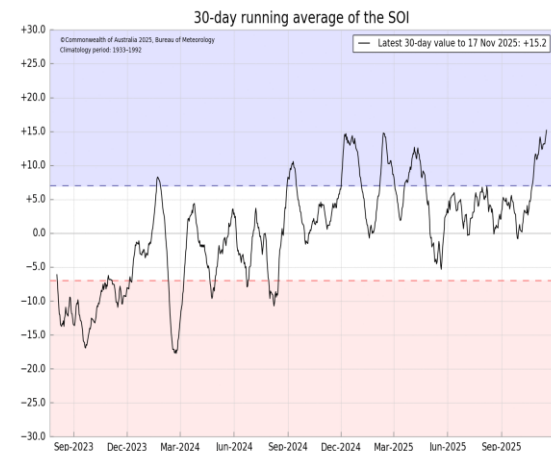
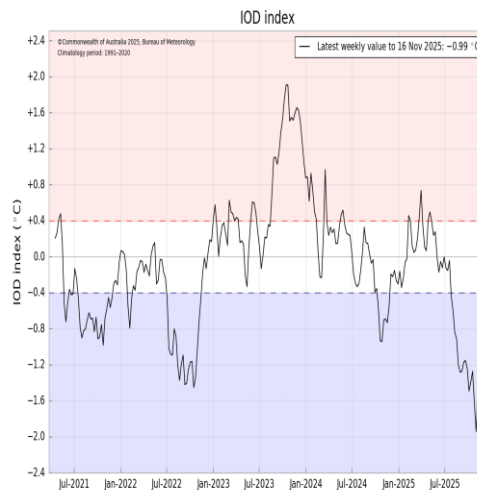
<http://reg.bom.gov.au/climate/enso/indices.shtml?bookmark=ioid>

Multivariate Enso Index = -1.52

Indian Ocean Dipole= -0.99 deg C

S O I $+15.2$ (30) $+8.87$ (90)

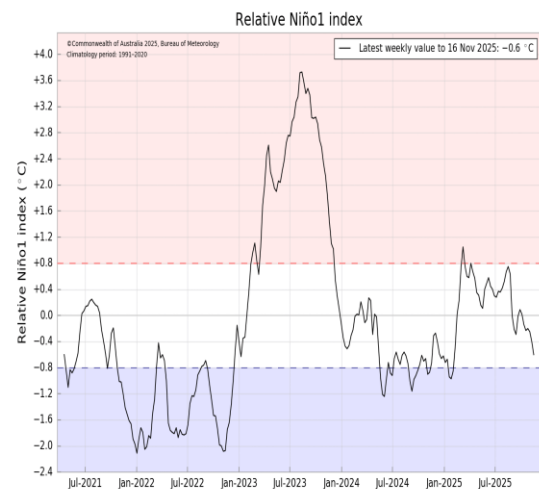
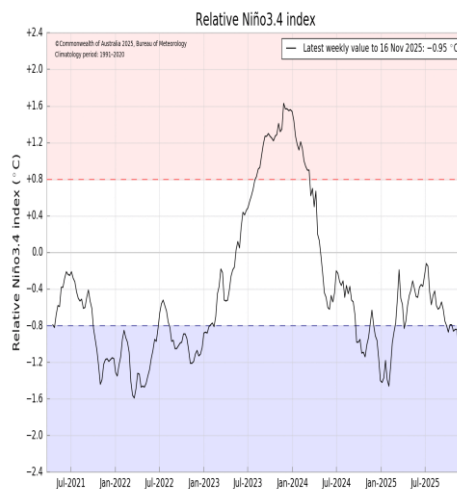
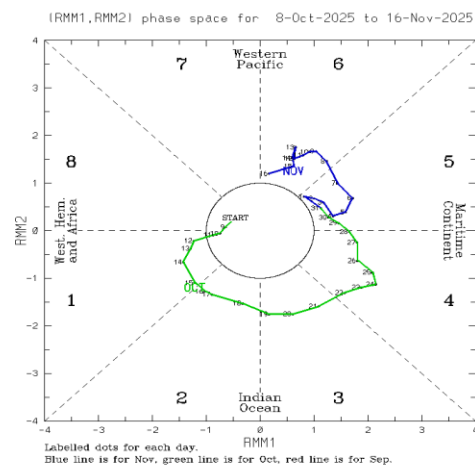
n/a



MADDEN JULIAN OSCILLATION: 6 W Pacific O

SST IN CENTRAL PACIFIC: -0.95 deg C

SST CLOSE TO SOUTH AMERICA: -0.60 deg C



Seasonal Outlook for Victoria

The average Indian Ocean Dipole Mode Index for the past week is -0.99 (-1.9 standard deviations), the average Southern Oscillation Index (SOI) for the past 90 days is 8.87, the average SOI for the past 30 days is +15.2, and the latest recorded bimonthly Multivariate ENSO Index (MEI) is -1.52. The expected MEI, adjusted by the Indian Ocean Dipole Mode Index and also by recent values of the SOI, for OCT/NOV is -1.71. Such a value of MEI indicates a sea surface temperature distribution that corresponds to a **La Niña**. This suggests:

RAINFALL: There is an enhanced chance that total DEC/JAN/FEB rainfall will be above normal in the NORTHERN COUNTRY and NORTHEAST Districts, there is a slightly enhanced chance that rainfall will be above normal in the WEST GIPPSLAND District, there is a very slightly enhanced chance that rainfall will be above normal in the NORTH CENTRAL and EAST GIPPSLAND Districts, but there is little indication as to whether rainfall will be below, near or above normal in other Victorian Districts.

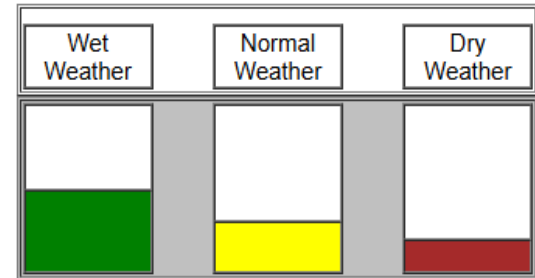
OVERNIGHT TEMPERATURES: There is an enhanced chance that average DEC/JAN/FEB overnight temperatures will be below normal in the WIMMERA District, there is a very slightly enhanced chance that overnight temperatures will be above normal in the NORTH CENTRAL, EAST GIPPSLAND, WEST GIPPSLAND and CENTRAL Districts, but there is little indication as to whether overnight temperatures will be below, near or above normal in other Victorian Districts.

DAYTIME TEMPERATURES: There is an enhanced chance that average DEC/JAN/FEB daytime temperatures will be below normal in the NORTHERN COUNTRY and WEST GIPPSLAND Districts, there is a slightly enhanced chance that daytime temperatures will be below normal in the NORTHEAST District, there is a very slightly enhanced chance that daytime temperatures will be above normal in the CENTRAL District, but there is little indication as to whether daytime temperatures will be below, near or above normal in other Victorian Districts.

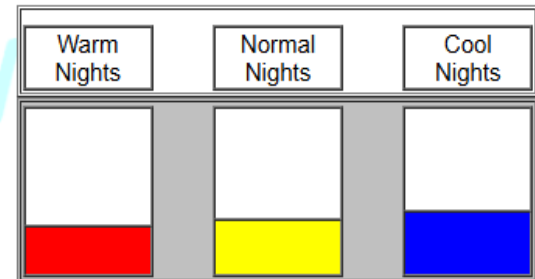
Monthly Outlook for Melbourne

In **Melbourne**, at this time of the year, a combination of the MEI, the DMI, and the MJO Phase, such as what we have operating now, suggests, over the following 30 days:

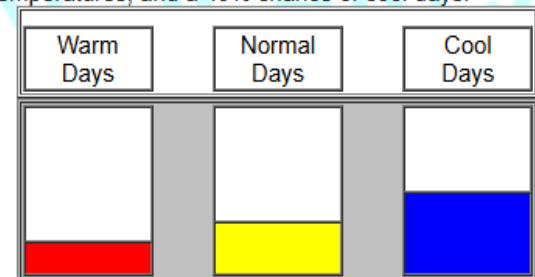
RAINFALL: There is a 49% chance of it being wet, a 31% chance of normal rainfall, and a 20% chance of it being dry.



OVERNIGHT TEMPERATURES: There is a 29% chance of warm nights, a 33% chance of normal overnight temperatures, and a 38% chance of cool nights.



DAYTIME TEMPERATURES: There is a 20% chance of warm days, a 31% chance of normal daytime temperatures, and a 49% chance of cool days.



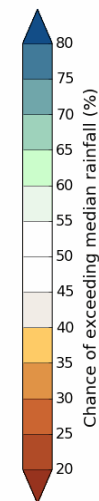
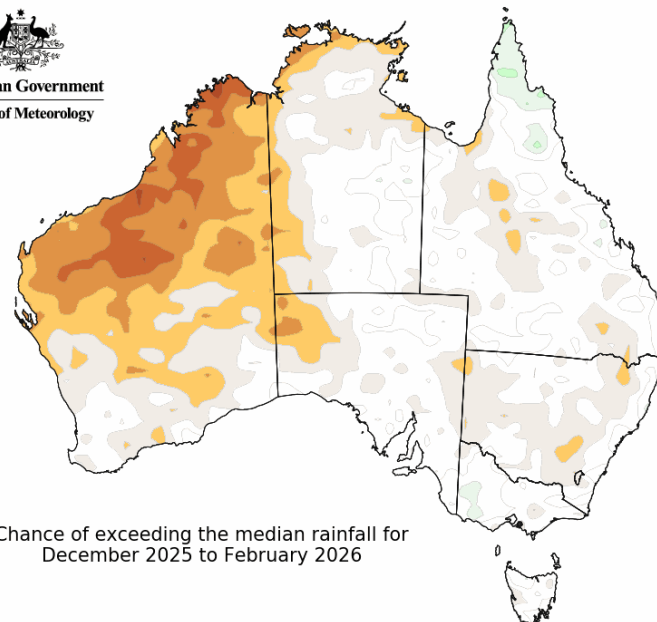
This Week's Bureau Outlook Map

<http://www.bom.gov.au/jsp/sco/archive/index.jsp?map=rain>

<http://www.bom.gov.au/jsp/sco/archive/index.jsp?map=tmax&outlook=median&period=season1&year=2024&month=05&day=16&y=2024&m=03&d=14>

<http://www.bom.gov.au/jsp/sco/archive/index.jsp?map=tmin&outlook=median&period=season1&year=2024&month=05&day=16&y=2024&m=03&d=14>

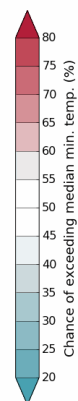
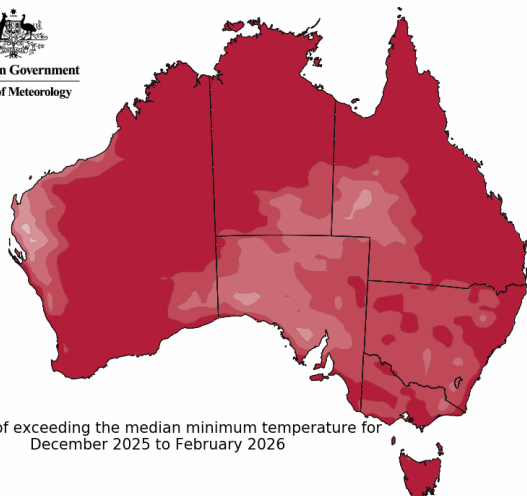

Australian Government
Bureau of Meteorology



Chance of exceeding the median rainfall for
December 2025 to February 2026

Model: ACCESS-S2
Base period: 1981-2018


Australian Government
Bureau of Meteorology

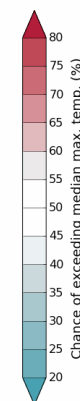
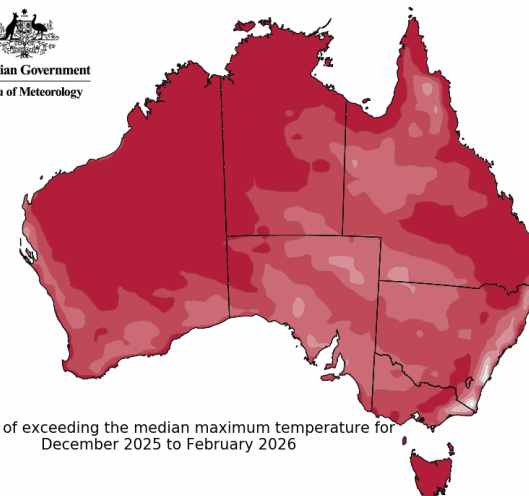


Chance of exceeding the median minimum temperature for
December 2025 to February 2026

Model: ACCESS-S2
Base period: 1981-2018

Model run: 17/11/2025
Issued: 20/11/2025


Australian Government
Bureau of Meteorology



Chance of exceeding the median maximum temperature for
December 2025 to February 2026

Model: ACCESS-S2
Base period: 1981-2018

Model run: 17/11/2025
Issued: 20/11/2025

This Week's NWP Models . . .

Chart Discussion: Fri-21-Nov-2025 (Harvey Stern)

NWP Models: Fri-21-Nov-2025

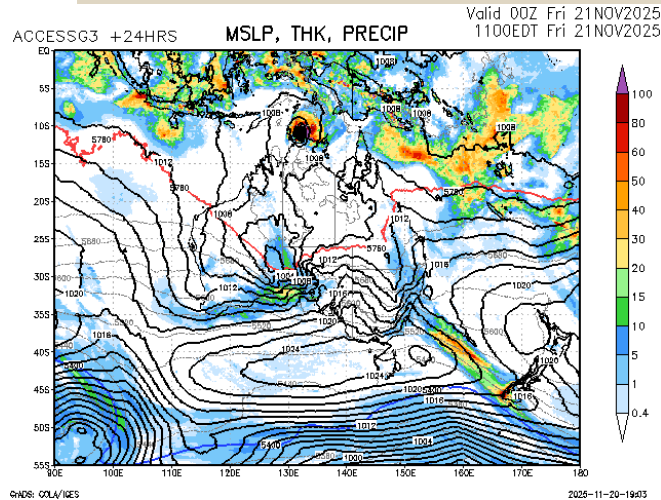
BoM ACCESS MSL & 200 hPa, GFS, & EC

<https://www.weatherzone.com.au/models/charts>

http://www.bom.gov.au/charts_data/IDY20002/current/pressureHgt/200hPa/IDY20002.pressureHgt-200hPa.000.png

http://www.bom.gov.au/charts_data/IDY20301/current/mslp-thick/IDY20301.mslp-thick.000.png

http://www.bom.gov.au/charts_data/IDY20002/current/mslp-thick/IDY20002.mslp-thick.096.png



http://www.bom.gov.au/charts_data/IDY20002/current/mslp-thick/IDY20002.mslp-thick.024.png

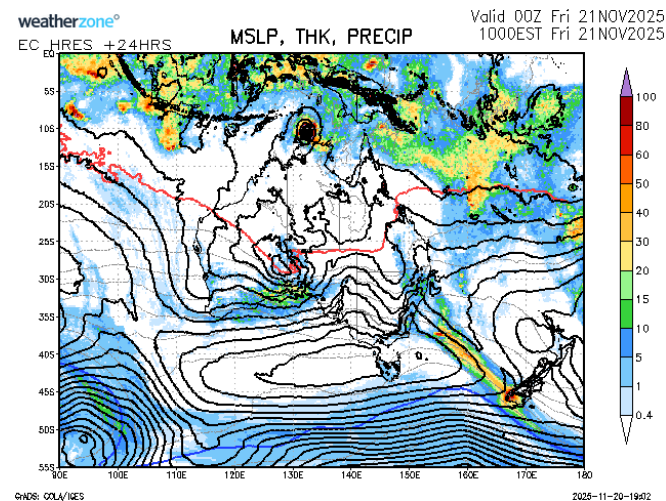
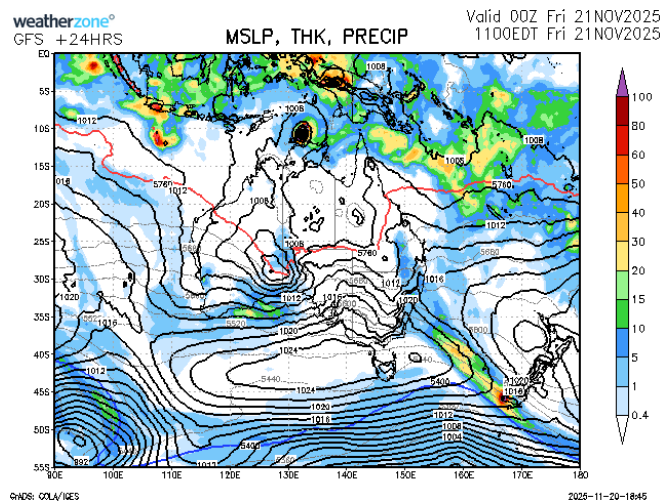
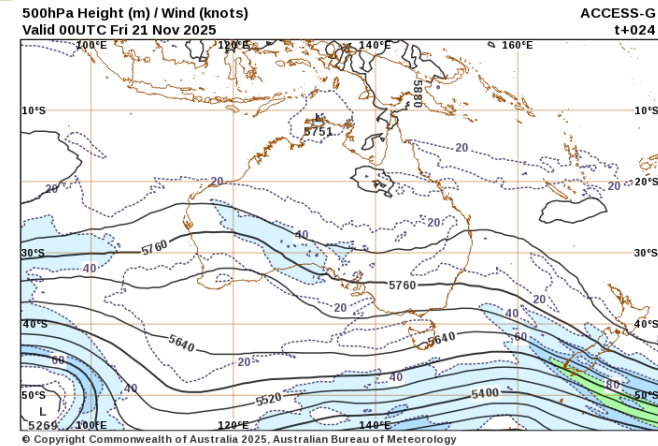


Chart Discussion: Fri-21-Nov-2025 (Harvey Stern)

NWP Models: Sat-22-Nov-2025

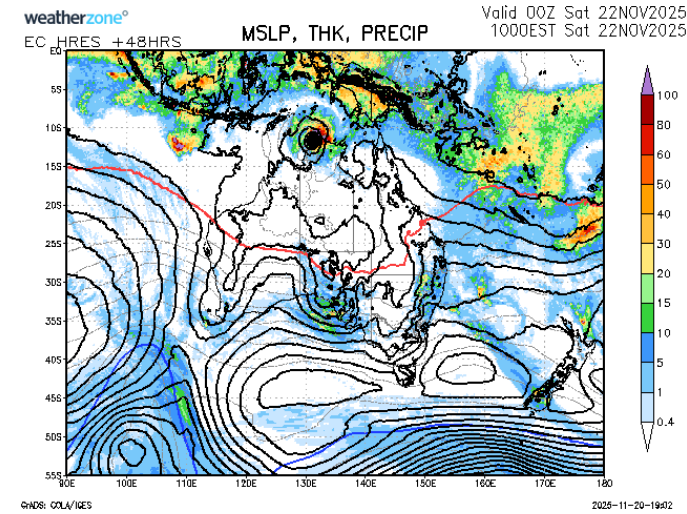
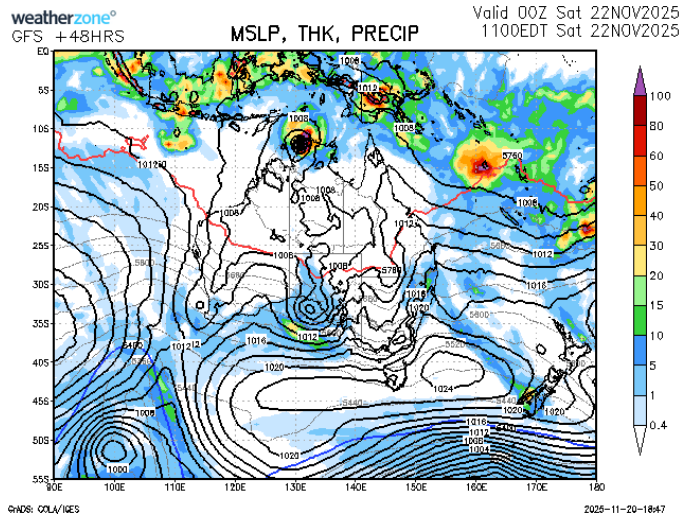
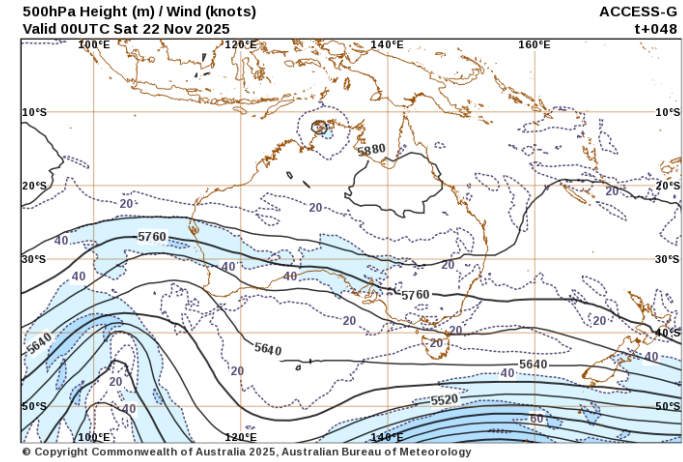
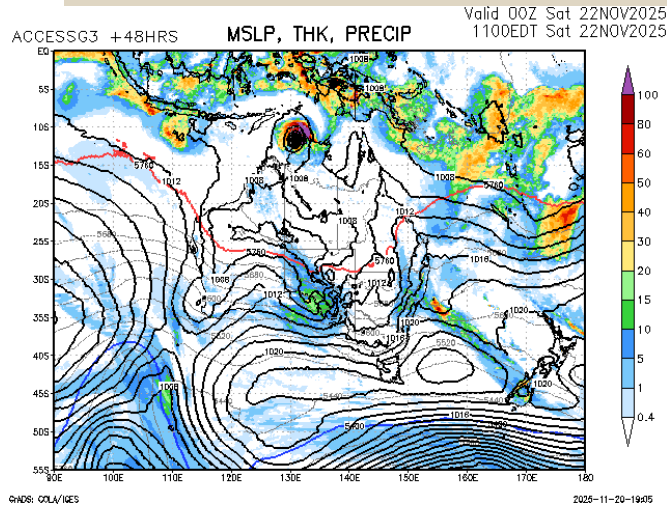


Chart Discussion: Fri-21-Nov-2025 (Harvey Stern)

NWP Models: Sun-23-Nov-2025

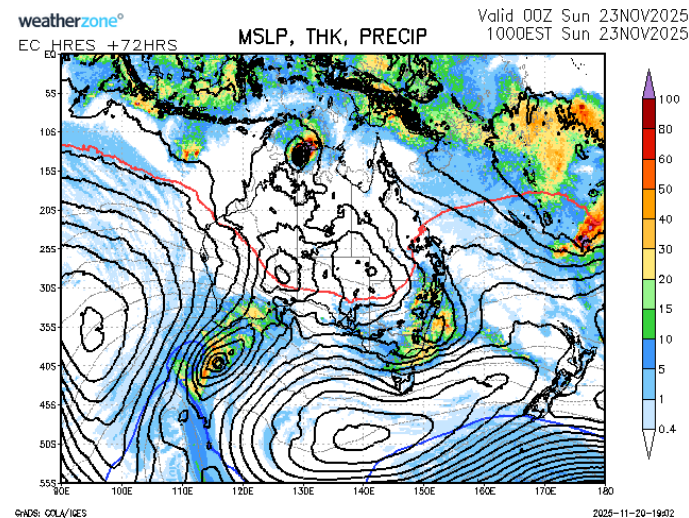
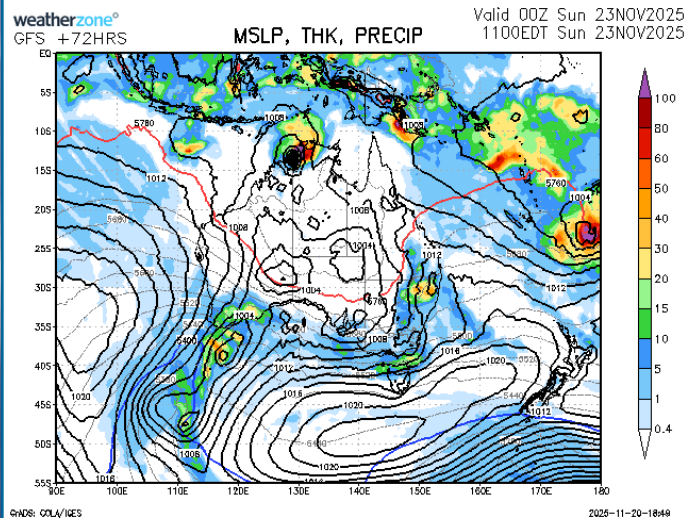
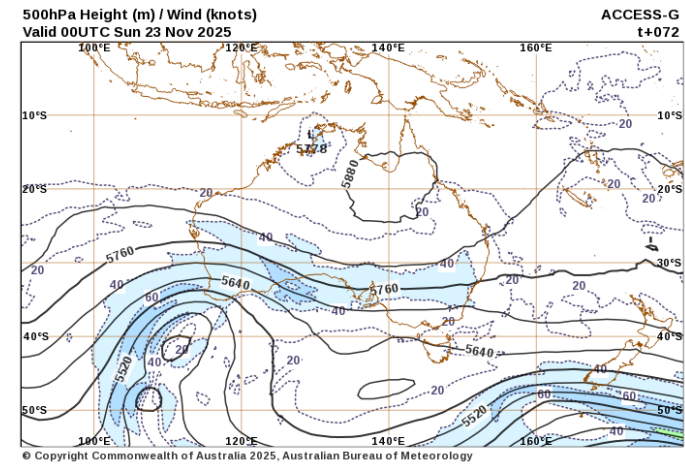
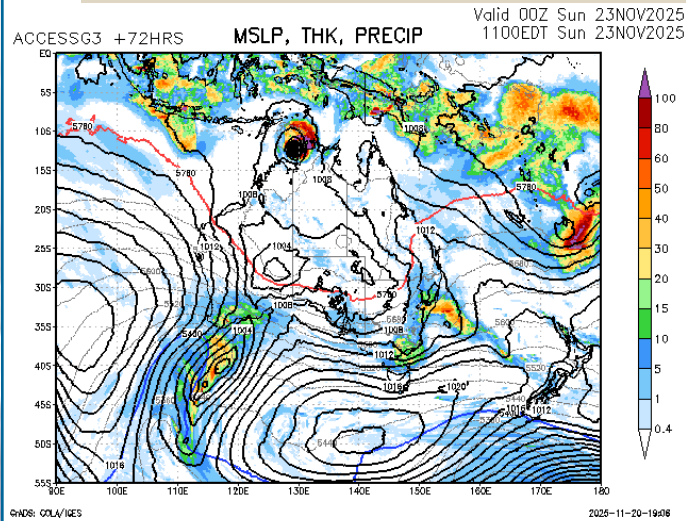


Chart Discussion: Fri-21-Nov-2025 (Harvey Stern)

NWP Models: Mon-24-Nov-2025

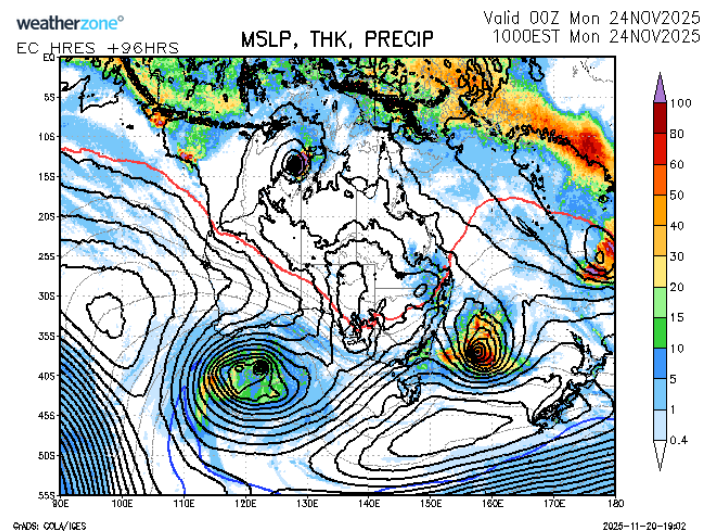
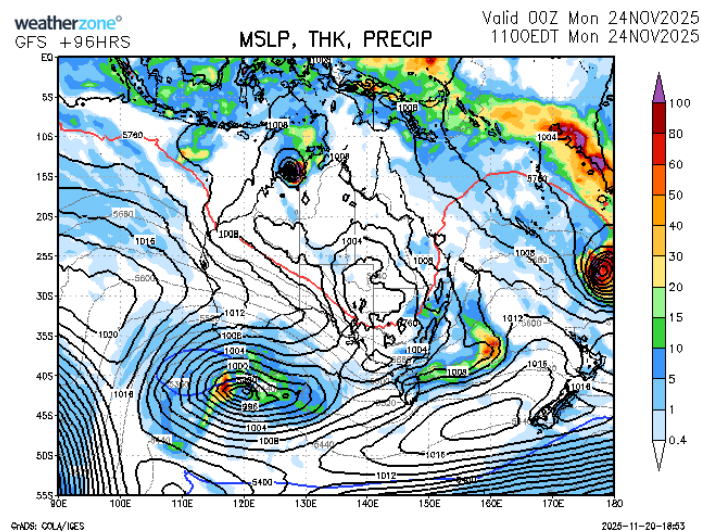
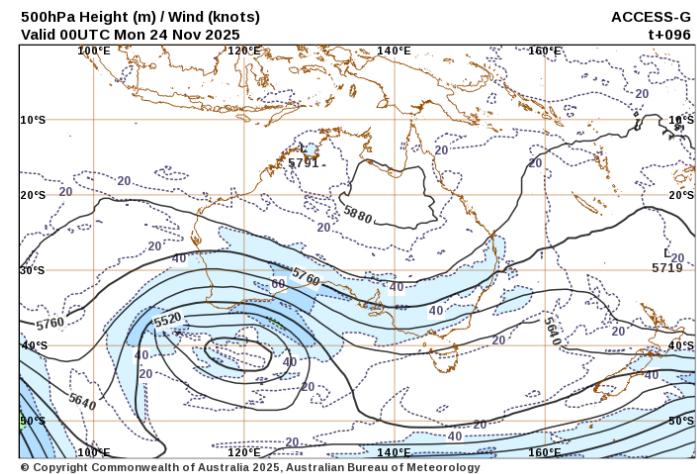
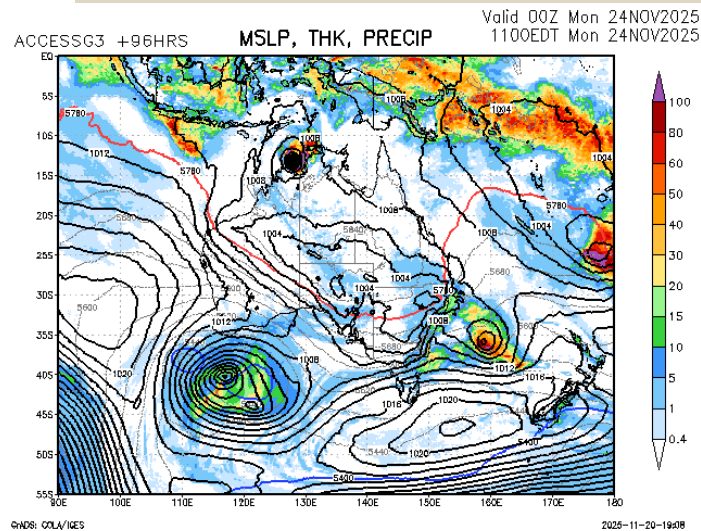


Chart Discussion: Fri-21-Nov-2025 (Harvey Stern)

NWP Models: Tue-25-Nov-2025

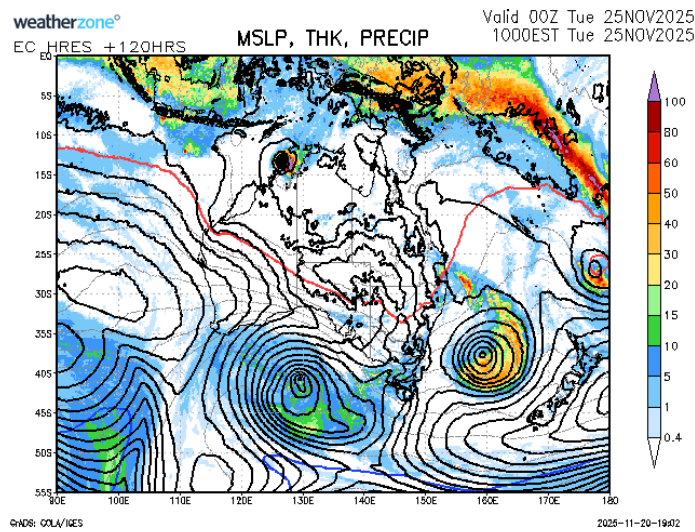
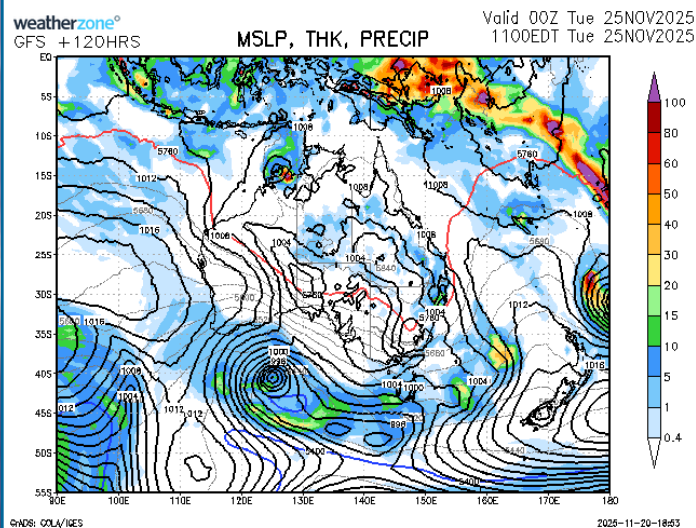
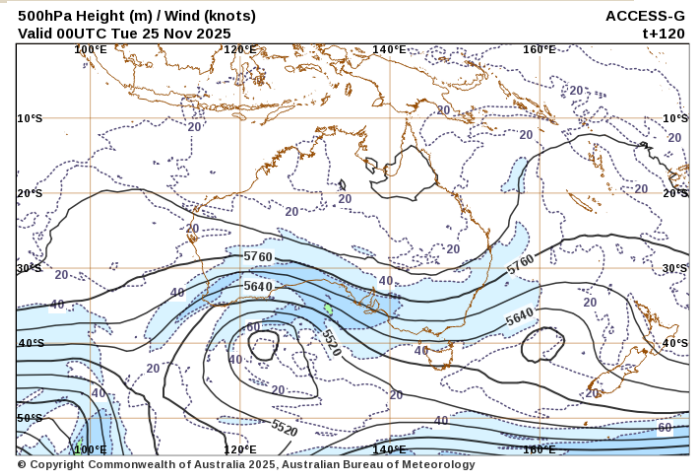
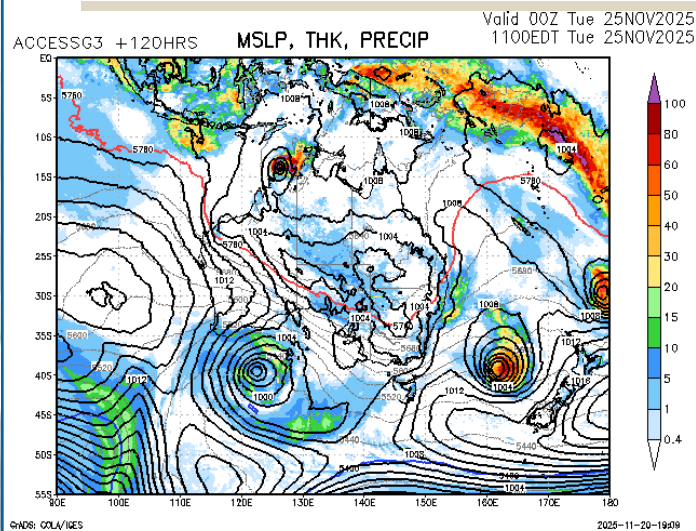


Chart Discussion: Fri-21-Nov-2025 (Harvey Stern)

NWP Models: Wed-26-Nov-2025

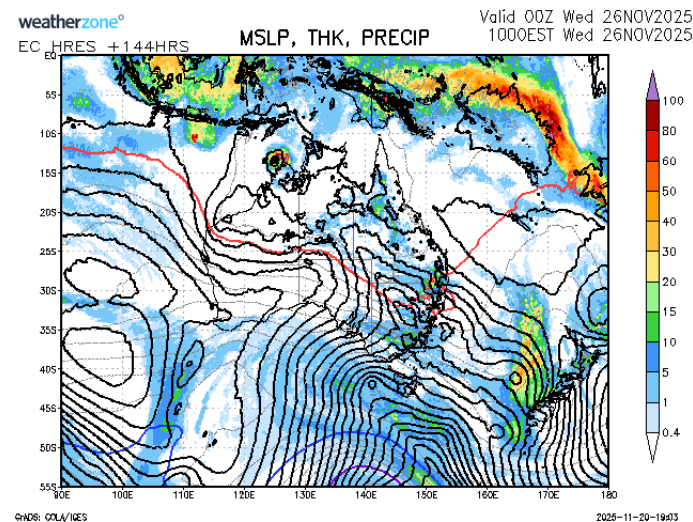
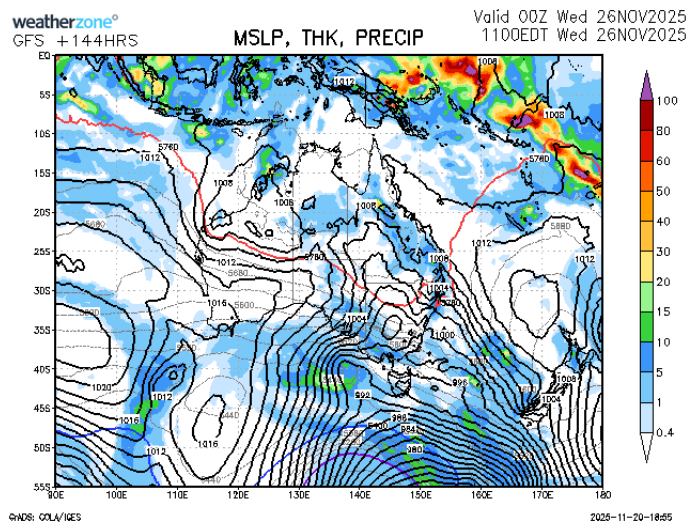
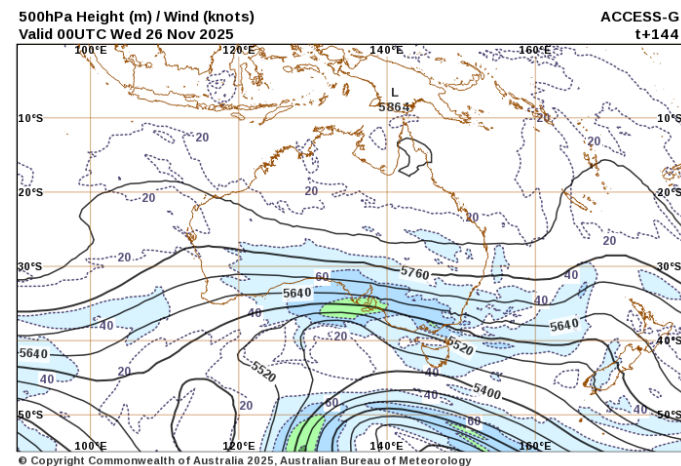
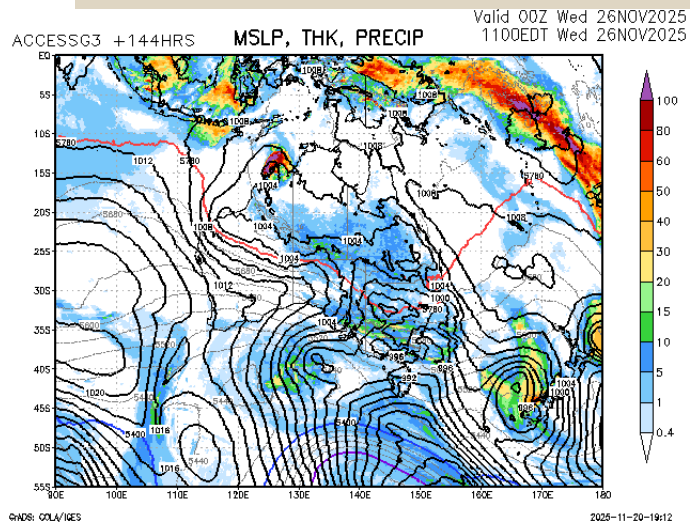


Chart Discussion: Fri-21-Nov-2025 (Harvey Stern)

NWP Models: Thu-27-Nov-2025

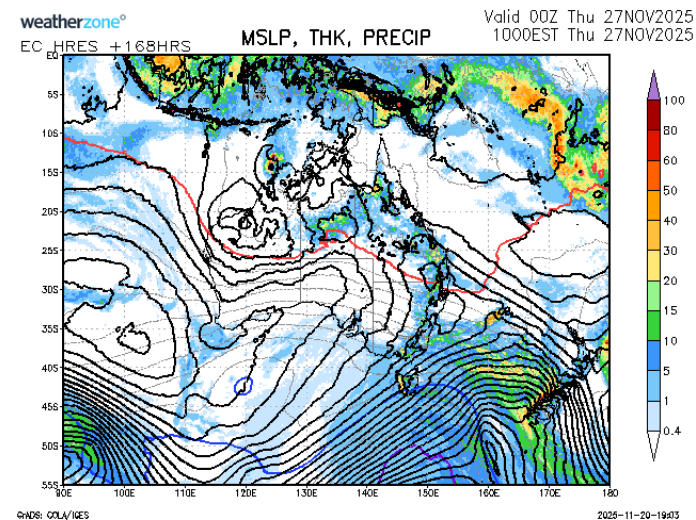
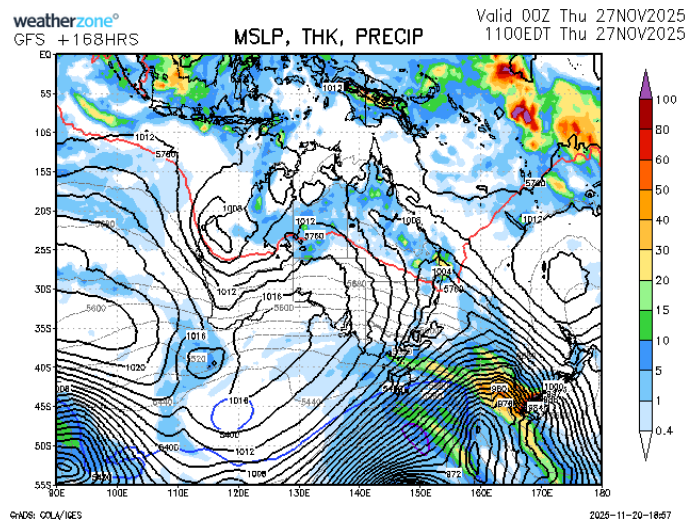
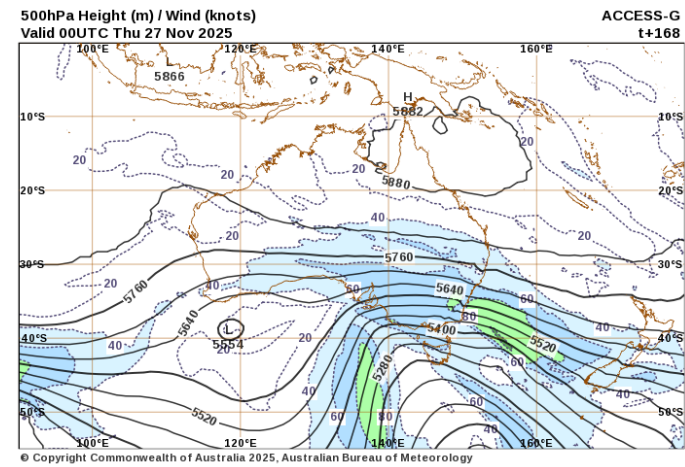
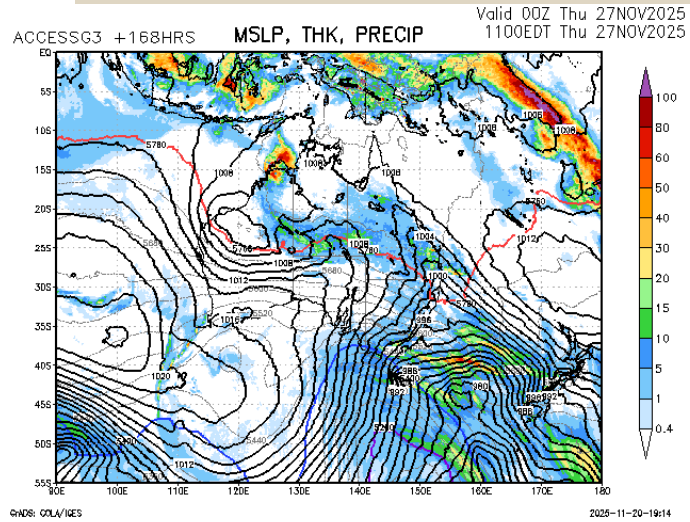
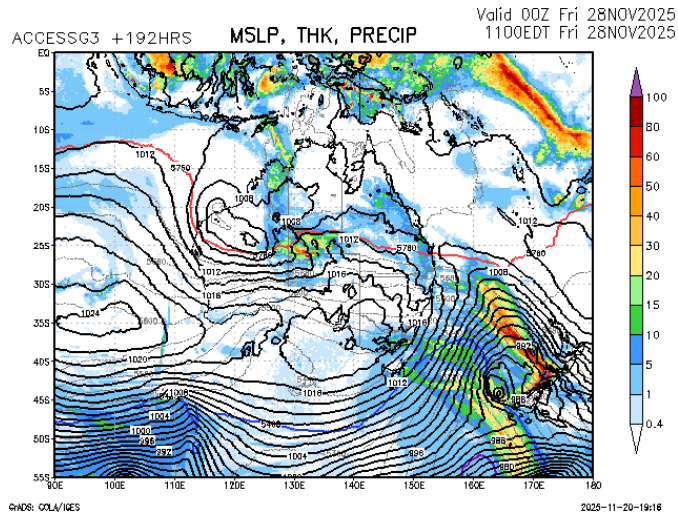


Chart Discussion: Fri-21-Nov-2025 (Harvey Stern)

NWP Models: Fri-28-Nov-2025

<https://meteologix.com/au/model-charts/standard/australia/geopotential-height-500hpa/20250801-0000z.html>



500 hPa Chart n/a

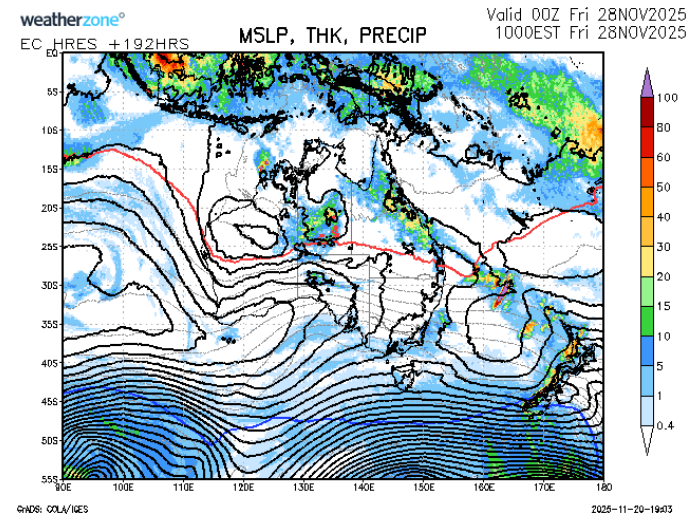
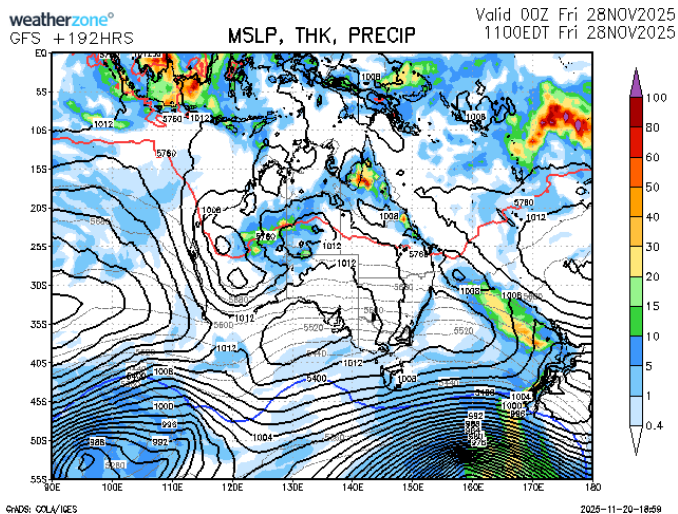
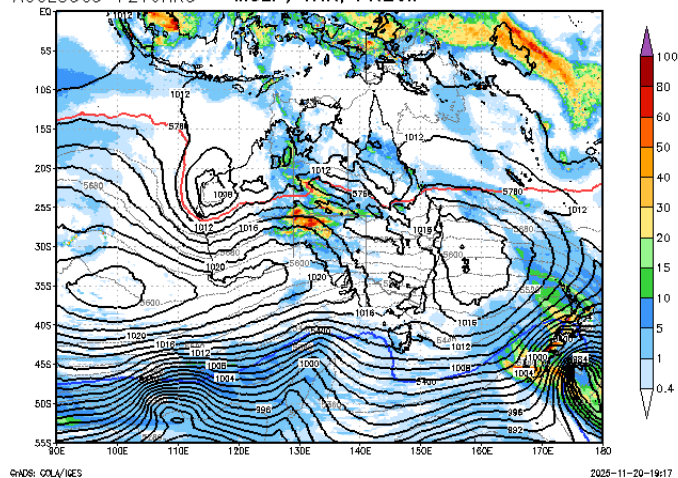


Chart Discussion: Fri-21-2025 (Harvey Stern)

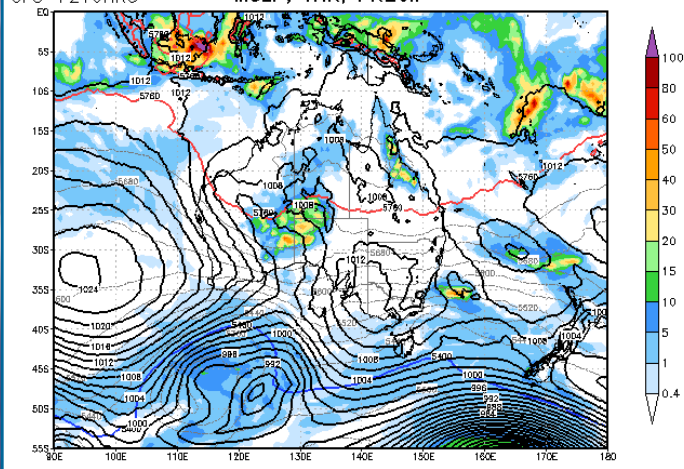
NWP Models: Sat-29-Nov-2025

ACCESSG3 +216HRS MSLP, THK, PRECIP Valid 00Z Sat 29NOV2025
1100EDT Sat 29NOV2025



500 hPa Chart n/a

weatherzone[®] CFS +216HRS MSLP, THK, PRECIP Valid 00Z Sat 29NOV2025
1100EDT Sat 29NOV2025



weatherzone[®] EC_HRES +216HRS MSLP, THK, PRECIP Valid 00Z Sat 29NOV2025
1000EST Sat 29NOV2025

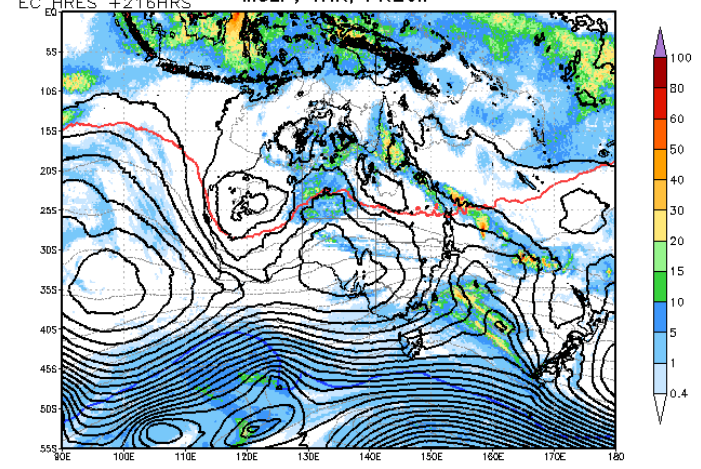
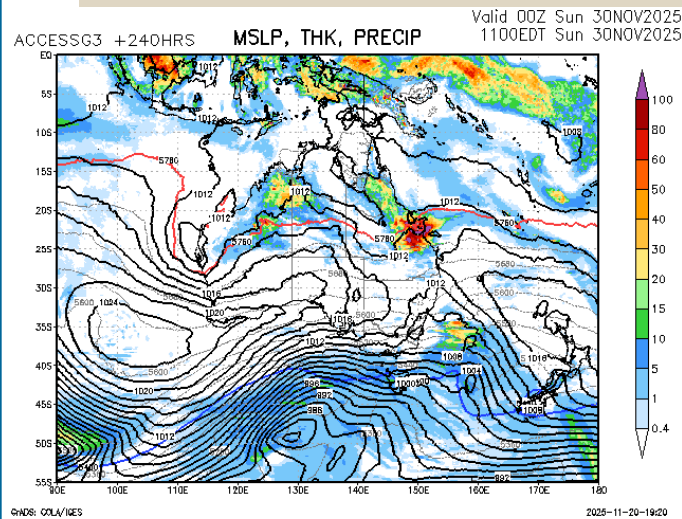
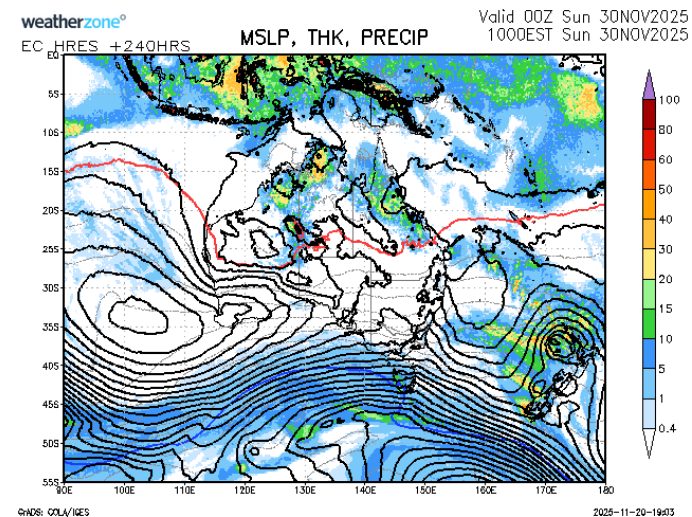
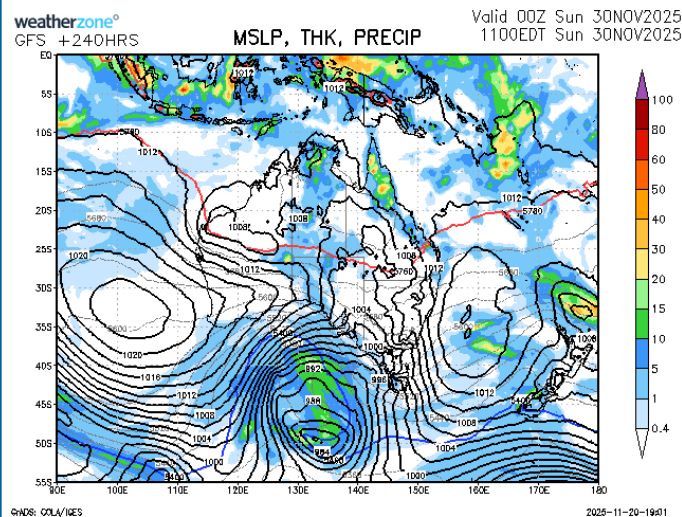


Chart Discussion: Fri-21-Nov-2025 (Harvey Stern)

NWP Models: Sun-30-Nov-2025



500 hPa Chart n/a



NOAA Data At: 10am, 20-11-2025

Minimum temperatures are for the night/early morning, maximum temperatures are for the daytime, whilst precipitation amounts and probabilities are for the 24 hours from midnight.

Temperatures for the Melbourne observation site (at Olympic Park) are in brackets.

Day & Date	Morning	Afternoon	Min Temp (deg C)	Max Temp (deg C)	Precip Amount (mm)	Precip Prob (%)	9am Wind/ 3pm Wind Melb Apt (km/hr)
Fri-21-11-2025	Haze. 	Haze. 	10 (9.4)	21.3 (19.9)	0	1	SSE 8 S 12 Gusts35
Sat-22-11-2025	Partly Cloudy. 	Shower. 	11 (10.3)	24.2 (23.2)	1.1	57	SSE 8 S 12 Gusts35
Sun-23-11-2025	Partly Cloudy. 	Shower. 	16.3 (15.4)	25.3 (24.2)	0.4	51	SSE 8 S 12 Gusts35
Mon-24-11-2025	Partly Cloudy. 	Cloudy. 	16.6 (15.9)	29.3 (28.5)	0	36	N 15 NNE 20 Gusts50
Tue-25-11-2025	Cloudy. 	Partly Cloudy. 	16.9 (16.4)	27.3 (25.9)	0	35	SW 8 S 10 Gusts30
Wed-26-11-2025	Shower. 	Thunder. 	15.8 (15.3)	25.2 (24.4)	4.4	76	NNW 15 WNW 15 Gusts50
Thu-27-11-2025	Shower. 	Shower. 	13 (12.8)	19.9 (18.4)	1.4	62	WSW 25 SSW 25 Gusts60
Fri-28-11-2025	Cloudy. 	Sunny. 	11.9 (11.6)	21.2 (20)	0	20	SW 8 S 10 Gusts30
Sat-29-11-2025	Cloudy. 	Sunny. 	12.7 (12.3)	22 (20.7)	0	22	SW 8 S 10 Gusts30
Sun-30-11-2025	Cloudy. 	Thunder. 	14.8 (14.2)	25.1 (25)	2.6	57	N 40 N 35 Gusts80

CHART DISCUSSION 21-Nov-2025

Thank You . . .