



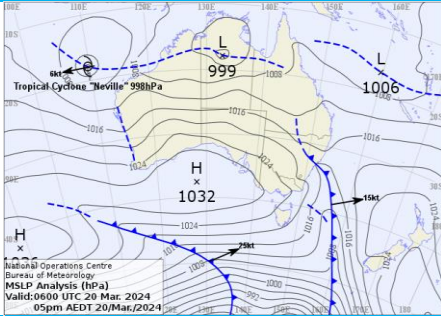
## Network Weather Overview

From now to +72 hours

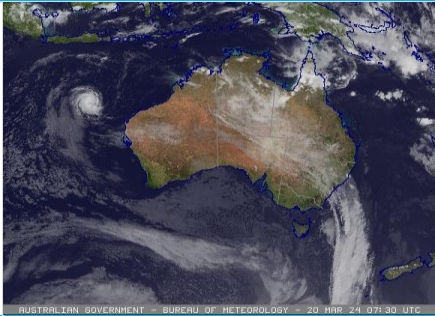
Thursday 21 March 2024

## Weather Overview

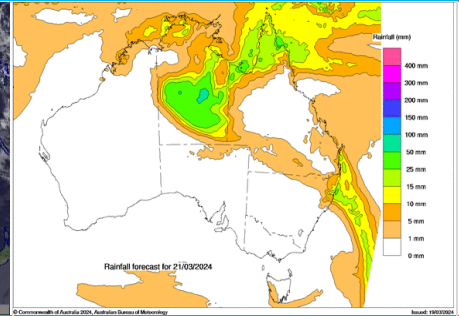
Mean Sea Level Pressure



Satellite Picture



Rainfall Outlook for tomorrow



## Weather impact risk assessment Major Airports

	Brisbane	Melbourne	Perth	Sydney
AM Thursday	Cloud 1000-2500ft. Showers. Light to moderate S to SE winds, increasing mid-late morning. Aloft winds increasing 20-30 knots during the morning.	Patchy cloud above 3000ft. Light and variable winds becoming S to SSE winds.	CAVOK. Moderate E to ENE winds. ENE winds aloft 20-30 knots, easing.	Few patches of cloud above 3000ft. Moderate SSW to SSE winds.
PM Thursday	Cloud 1500-3000ft. Showers. Moderate to fresh and gusty SE winds easing. Winds aloft reaching 30-40 knots.	CAVOK. Light to moderate S to SE winds becoming S to SSW.	CAVOK. Light to moderate E'ly winds tending SE for a period in the afternoon. E winds aloft 20-30 knots evening. Turbulence evening.	Few patches of cloud above 3500ft. Light to moderate S to SE winds.
AM Friday	Light showers in TMA. Cloud 2000-3000ft. Gusty SE winds. 20-30kt SE winds aloft.	CAVOK. Chance of early fog in TMA. Light and variable winds mostly SW and NW.	CAVOK. Gusty E winds. 25-40 knots E winds aloft.	Possible light showers. Cloud 2500-4000ft. Light NW winds becoming NNE.
PM Friday	Light showers in TMA. Cloud 2000-3000ft. Gusty SE winds easing.	Few patches of cloud developing above 4000ft. Moderate S'ly winds.	CAVOK. E winds tending ESE for a period in the afternoon. 20-30kt E winds aloft in the evening.	Patchy cloud above 3500ft. Moderate NE winds.
AM Saturday	1500-2000ft cloud. Showers tending to rain. Light S to SE winds.	2000-3000ft cloud. Light to moderate S to SW winds. A few showers developing late morning.	CAVOK. Gusty E winds and turbulence; 35-40kt E winds aloft.	CAVOK. Light NW winds turning E to NE late morning. Light showers well offshore.
PM Saturday	1000-2000ft cloud. Showers and rain at times. Light S to SE winds.	3000ft cloud, lowering to 2500ft later. Light afternoon showers clearing. Moderate S to SW winds.	CAVOK. Moderate E winds.	Cloud above 4000ft. Possible light showers in the TMA. Light E to SE winds.

## Significant other phenomena potentially affecting Australian FIRs

Volcanic Ash (VA) ≥ FL200	Nil current. For the latest information refer to <a href="http://www.bom.gov.au/aviation/volcanic-ash/darwin-va-advisory.shtml">http://www.bom.gov.au/aviation/volcanic-ash/darwin-va-advisory.shtml</a>
Space Weather	Nil current. For the latest information refer to <a href="http://www.bom.gov.au/aviation/space-weather-advisories/">http://www.bom.gov.au/aviation/space-weather-advisories/</a>
Tropical Cyclones	At 0600Z on 20 March 2024: Tropical Cyclone Neville has developed well offshore of the Pilbara coast and is moving steadily westwards, well offshore of the west Pilbara coast, and it is not expected to impact mainland Australia. Neville is expected to continue to move steadily westwards across the Indian Ocean. By the weekend Neville is forecast to be moving over cooler waters and is expected to begin to weaken as it moves to the south and southeast over open waters. ----- For the latest outlook information refer to <a href="http://www.bom.gov.au/cyclone/">http://www.bom.gov.au/cyclone/</a>

Weather risk assessment provided by NCC Meteorological Unit – Bureau of Meteorology  
Contact NCCMET for further detail or advice

Phone: 02 6268 4448  
Email: [nccmet@bom.gov.au](mailto:nccmet@bom.gov.au)

Detailed advice from major Airport MET CDM products available at Airservices NOC Portal, <https://www.airservicesaustralia.com/noc/>

## SYDNEY - YSSY GDP-A 1900-0100

Thursday 21 March 2024

## ATFM-CDM Notes

## METCDM Notes:

[1] 1900-1159: A developing High pressure system in the eastern Tasman Sea will be turning the S to SE flow towards the E during the later part of the day. Cloud at and above 4000ft becoming patchy, x-factor applied for risk of cloud lowering to 3000ft early morning. Light to moderate S to SSW winds tending to SE late morning. There is slight chance of afternoon showers over the far western part of the TMA during the afternoon and also for passing light showers over offshore and coastline areas during the day.

## NCC DLM Notes:

[Nil DLM Notes]

## SM Notes:

[1] 1900-2359: Staffing

[2] 0000-1159: VHF equipment outage/works plan

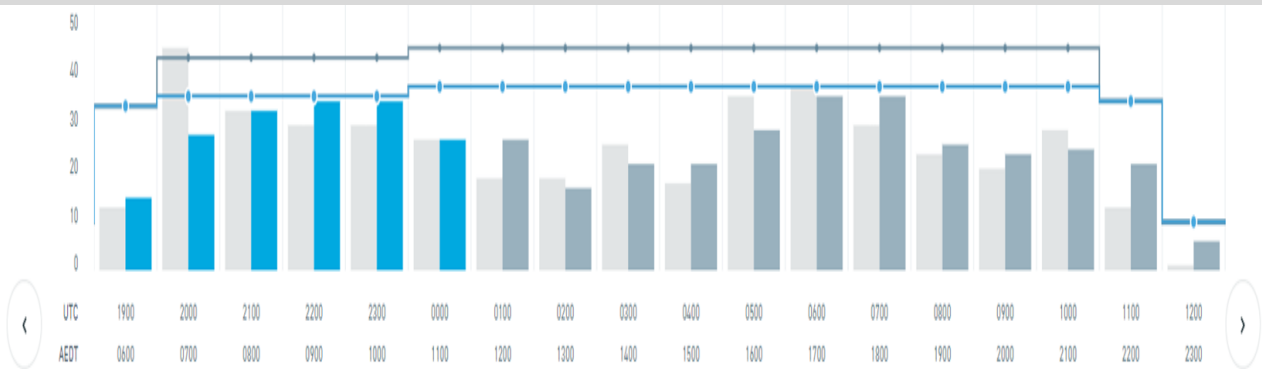
## GDP Notes

Nil significant network risk/s identified at this stage.

## Tabulated Data

Time (Hour UTC)	201900	202000	202100	202200	202300	210000	210100	210200	210300	210400	210500	210600	210700	210800	210900	211000	211100	0
Runway Mode	16 IVA	16 IVA	16 IVA	16 IVA	16 IVA	16 IVA	16 IVA	16 IVA	16 IVA	16 IVA	16 IVA	16 IVA	16 IVA	16 IVA	16 IVA	16 IVA	16 IVA	
Rate	34	36	36	36	36	38	38	38	38	38	38	38	38	38	38	38	35	
Segmentation and Notes																		
METCDM Notes	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
Segmentation	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	

## Bar Graph



## Legend

- ERSA airborne delay threshold
- Average ground delay
- Initial average airborne delay
- Latest average airborne delay
- Final MET rate
- Final SM rate
- Final CDM rate
- Current demand
- Modelled demand (no GDP)
- Modelled demand (GDP)

## MELBOURNE - Nil GDP

Thursday 21 March 2024

## ATFM-CDM Notes

## METCDM Notes:

[1] 1900-2359: A ridge to the south is directing S'ly flow and fine weather over the airport. Light winds initially varying between W to S then increasing and becoming S'ly. There is some uncertainty with wind direction at the start of the METCDM as there are competing effect of katabatic and synoptic flow on surface winds. If surface winds become katabatic NW than LAHSO is possible however, given the aloft SE winds and higher chance of winds being between W and S operations on RWY 16/27 has been indicated. There is slight risk of wind shear early morning. Few patches of cloud above 3000ft in the TMA.

[2] 2300-1259: Few patches of cloud above 3500ft in the TMA. Light to moderate S'ly winds. There is a high chance of winds being S to SSE during the afternoon and S to SSW during the evening thus, RWY 09/16 configuration is indicated in the afternoon and RWY 16/27 configuration in the evening. There is also chance of winds varying between SSW and SSE during the day.

## NCC DLM Notes:

[Nil DLM Notes]

## SM Notes:

[Nil SMTM Notes]

## GDP Notes

Nil significant network risk/s identified at this stage.

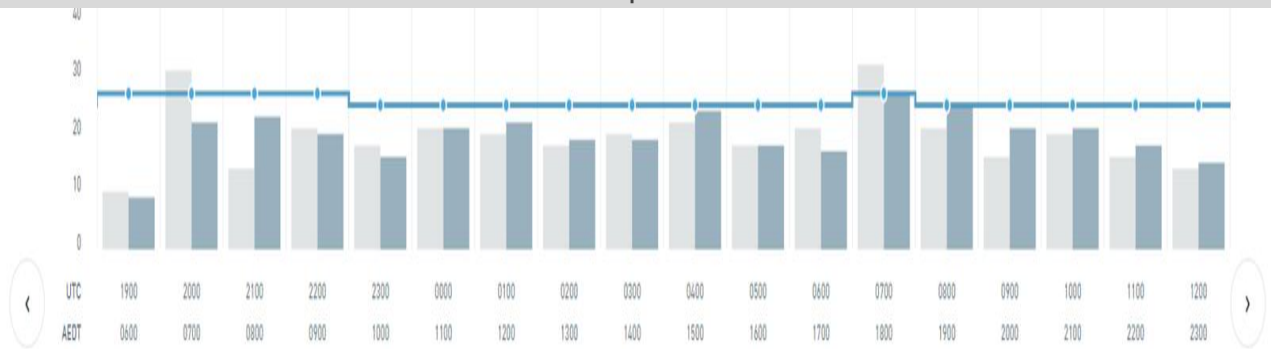
## Tabulated Data

Time (Hour UTC)	201900	202000	202100	202200	202300	210000	210100	210200	210300	210400	210500	210600	210700	210800	210900	211000	211100	211200
Runway Mode	16/27 VMCA	16/27 VMCA	16/27 VMCA	16/27 VMCA	09/16 VMC	09/16 VMC	09/16 VMC	09/16 VMC	09/16 VMC	09/16 VMC	09/16 VMC	09/16 VMC	16/27 VMCA	16/27 VMCB	16/27 VMCB	16/27 VMCB	16/27 VMCB	16/27 VMCB
Rate	27	27	27	27	25	25	25	25	25	25	25	25	27	25	25	25	25	25

## Segmentation and Notes

METCDM Notes	1	1	1	1	1&2	2	2	2	2	2	2	2	2	2	2	2	2	2
Segmentation	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2

## Bar Graph



## Legend

- ERSA airborne delay threshold
- Average ground delay
- Initial average airborne delay
- Latest average airborne delay
- Final MET rate
- Final SM rate
- Final CDM rate
- Current demand
- Modelled demand (no GDP)
- Modelled demand (GDP)

## BRISBANE - Nil GDP

Thursday 21 March 2024

## ATFM-CDM Notes

## METCDM Notes:

[1] 2000-1259: A developing High Pressure system in the eastern Tasman Sea combined with a ridge along SE Queensland has resulted in S to SE flow over the area. The onshore SE flow is expected to strengthen during the day from 10-20 knots to 30-40 knots. Therefore, expect light to moderate S to SE winds to becoming moderate to fresh and gusty as the flow strengthens. X-factor applied for headwind on RWY 19 approach as per Brisbane Airport reference card Table 4b. Stream showers are expected in the TMA throughout the day mostly near the coastline and offshore areas in the morning and evening. Cloud 1000-2000ft lifting 1500-3000ft early afternoon and lowering again between 1000-2000ft during the evening.

## NCC DLM Notes:

[Nil DLM Notes]

## SM Notes:

[Nil SMTM Notes]

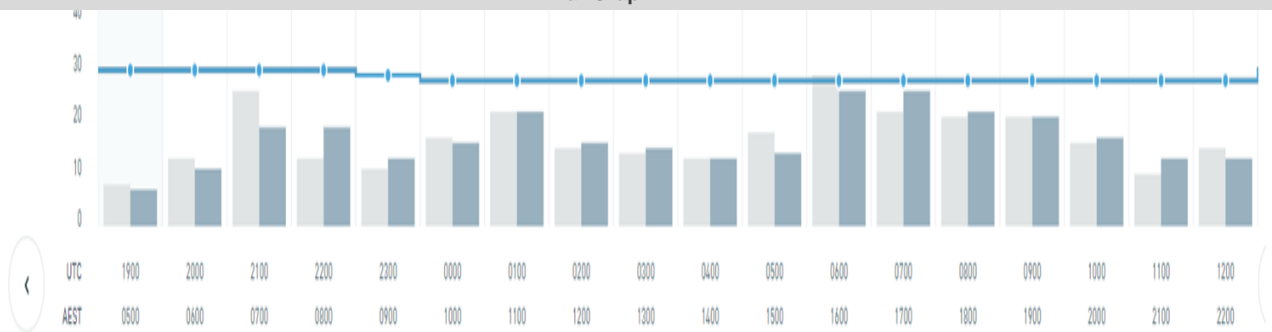
## GDP Notes

Nil significant network risk/s identified at this stage.

## Tabulated Data

Time (Hour UTC)	202000	202100	202200	202300	210000	210100	210200	210300	210400	210500	210600	210700	210800	210900	211000	211100	211200	
Runway Mode	19 ILS	19 ILS	19 ILS	19 ILS	19 ILS	19 ILS	19 ILS	19 ILS	19 ILS	19 ILS	19 ILS	19 ILS	19 ILS	19 ILS	19 ILS	19 ILS	19 ILS	
Rate	30	30	30	29	28	28	28	28	28	28	28	28	28	28	28	28	28	
Segmentation and Notes																		
METCDM Notes	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
Segmentation	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	

## Bar Graph



PERTH

Arrivals - YPPH GDP-A 0030-1400  
Arrivals - YPPH GDP-D 2130-0030

Thursday 21 March 2024

## ATFM-CDM Notes

## METCDM Notes:

[1] 2200-0559: Slow moving High pressure system just SW of the continent is extending a ridge over the southern Ocean and directing ENE to ESE flow over the area. CAVOK conditions. Moderate E'ly winds, gusty at times varying between 070-110 degrees, operations on RWY 03/06 indicated given higher chance of E to ENE winds with crosswinds near threshold in gusts. 20-30 knots ENE winds aloft easing below 20 knots and tending E to SE during the afternoon. There are ongoing fires within the eastern basin which has some history of impacting operations in the TMA. Though surface visibility has been greater than 10 km there is possibility of fire fighting operations and smoke trapped under the inversion to impact operations similar to Tuesday and Wednesday if fires don't abate overnight. Slight risk of early winds shear.

[2] 0400-1359: CAVOK. Moderate ESE to SE winds. Timing of runway change is most likely between 04-06Z however, may (20% chance) be as early as 02Z or late (30%) as 08Z.

## NCC DLM Notes:

[Nil DLM Notes]

## SM Notes:

[Nil SMTM Notes]

## GDP Notes

Nil significant network risk/s identified at this stage.

## Tabulated Data

Time (Hour UTC)	202100	202200	202300	210000	210100	210200	210300	210400	210500	210600	210700	210800	210900	211000	211100	211200	211300	
Runway Mode		03/06 VMC	03/06 VMC	03/06 VMC	03/06 VMC	03/06 VMC	03/06 VMC	03/06 VMC	21 VMC	21 VMC	21 VMC	21 VMC	21 VMC	21 VMC	21 VMC	21 VMC	21 VMC	
Rate-Arrs		24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	
Rate-Deps	35	35	35	35														
Segmentation and Notes																		
METCDM Notes		1	1	1	1	1	1	1&2	1&2	2	2	2	2	2	2	2	2	
Segmentation		1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	

## Bar Graph

