

# Airport weather briefings

The airport weather briefing is a plain language description of the aerodrome forecast (TAF).

## Airport weather briefings

Airport weather briefings are provided for Perth, Adelaide, Melbourne, Sydney, Brisbane and Darwin (wet season only) airports, for use by both operators and Air Traffic Services. They are an extension to the TAF service aimed at expanding on the information provided in the TAF. The office responsible for the preparation of the TAF will also prepare the airport weather briefing.

Airport weather briefings are generally issued within 30 minutes of the routine 0600 UTC and 1800 UTC issue of the associated TAF. They are not amended or updated once issued. For operational planning, reference should be made to the latest TAF.

### Airport weather briefing message structure

Header	The product ID, followed by Australian Government Bureau of Meteorology and the State/Territory.
Location & message type	The aerodrome followed by AIRPORT WEATHER BRIEFING.
Issue time/date	The issue time and date of the airport weather briefing in coordinated universal time, UTC, and in local time.
TAF	The TAF for the aerodrome, current at the time of issue of the airport weather briefing. Users must check for the most recent TAF.
TAF summary	An explanation of the TAF using plain language. This section may also include the synoptic situation, local effects, reasons for forecast changes in weather conditions and, if relevant, information about vertical visibility.
Thunderstorm potential within the TMA	This section highlights the probability of thunderstorms occurring within the terminal control area (TMA), and the timing of their occurrence. Probabilities are given to the nearest 10%. The extent of the TMA for the purpose of the airport weather briefing is: Sydney (45 NM), Melbourne (30 NM), Brisbane (30 NM), Perth (36 NM), Adelaide (36 NM) and Darwin (40 NM).
Other possibilities	Includes comments on possibilities, other than thunderstorms, that may occur during the validity of the TAF. This will include conditions that are expected below the highest alternate minima (HAM) and/or special alternate minima (SAM), have a less than 50% chance of occurring and don't already appear in the TAF. Uncertainty as to the timing of an event is also communicated here. Probabilities are given to the nearest 5%.
Outlook	A brief description of the weather and forecast maximum and minimum temperatures for the following 3 days based on the Public Weather forecasts for the city (CBD).
Notes	Notes that highlight that the airport weather briefing is not amended or updated, that reference should be made to the latest TAF, and any other notes pertinent to the product.

## Airport weather briefing example

IDQ43999  
Australian Government Bureau of Meteorology  
Queensland

### BRISBANE AIRPORT WEATHER BRIEFING

Issued at 1700Z on the 07/10/2024 [0300 on the 08/10/2024 LOCAL]

#### BRISBANE TAF: (this TAF may not be the latest issue)

TAF YBBN 071711Z 0718/0900  
35005KT 9999 FEW005  
FM072200 36006KT CAVOK  
FM080000 02013KT 9999 -SHRA FEW050  
FM080900 16009KT 9999 -SHRA SCT015 BKN030  
INTER 0812/0900 3000 SHRA BKN010  
PROB30 TEMPO 0804/0812 VRB25G45KT 1000 TSRA BKN010 SCT060CB  
RMK  
T 20 22 27 28 Q 1016 1018 1018 1015

#### TAF SUMMARY:

An unstable atmosphere, but unlike the previous 2 days, the moisture is starting to increase in the mid-levels and we saw a thunderstorm pass seawards in the northern Bay early this morning. The moisture levels near the surface are high, with shallow fog patches likely at times early this morning, with a little bit of low cloud.

Thunderstorms are forecast this afternoon and evening, with potential for some very strong gusts and a slight chance of some hail. A SE change arrives this evening, bringing some cooler conditions with some showers and lower cloud bases. The showers are forecast to reduce visibility and low cloud below HAM for brief periods. NW to NE winds, freshening a little during the afternoon before the SE change arrives in the evening.

#### THUNDERSTORM POTENTIAL WITHIN THE TMA (CIRCLE TO 30NM RADIUS):

90% chance in the TMA today.  
A 30% chance within 8KM of the airport 04/12Z with a 10% chance at other times between 18/14Z.

#### OTHER POSSIBILITIES:

30% chance of SCT/BKN cloud around 0500 feet between 0718-0722Z.  
30% chance winds turn SW'ly before 0722Z.  
20% chance of fog either developing nearby or moving from the west 0718-0721Z, 10% until 0722Z.  
20% chance of tempo conditions below HAM 0815/0823 for drizzle or showers.  
The SE change could be as early as 06Z or as late as 13Z. There has been some inconsistency with model guidance timing of this change.

#### BRISBANE OUTLOOK:

Wednesday:	Showers.	City MAX: 24
Thursday:	Shower or two.	City MAX: 23
Friday:	Partly cloudy.	City MAX: 26

#### REGARDS:

Aviation Forecaster

#### Notes:

1. This briefing is not amended between routine issues. For operational planning, reference should be made to the latest TAF.

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| A vertical line in the margin indicates a change or addition since last update.

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