

# ADFD hourly forecasts for précis locations

User guide – version 1.0 – updated 15 May 2023

## Description

These products consists of hourly forecasts for all précis locations in the relevant state/territory. Information is derived from the hourly gridded forecast data, and some 3-hourly data, from the Australian Digital Forecast Database (ADFD).

These products are suitable for users who are looking for a higher temporal frequency forecast (for daily précis forecasts see [IDBZ0009](#)) but do not have the tools required to process gridded data in a GRIB2 or NetCDF4 format.

Note: information for these products is extracted from grid locations and may not exactly match similar data from other products.

## Products

Table 1 provides a list of products included in the ADFD Hourly Forecasts – specific locations - Bundle (IDBZ0026)

Product Codes	State/Territory
IDZ76005	New South Wales
IDZ76006	Victoria
IDZ76007	Queensland
IDZ76008	South Australia
IDZ76009	Tasmania
IDZ76010	Northern Territory
IDZ76011	Western Australia

Table 1 List of products included in the ADFD Hourly Forecasts – specific locations - Bundle (IDBZ0026).

## Location

Files appear in the /fwo subdirectory of Registered Users' directories.

## Filename format

IDZ76xxx\_[State]\_Precis\_yyyymmddhhmmZ.csv

## Update frequency

Twice daily

Data is generally uploaded to the Bureau's FTP servers by: 0900UTC and 2100UTC  
Products for some states may be uploaded earlier.

## Forecast locations

For précis locations, see the file IDM00013.dbf for a complete list:

<ftp://ftp.bom.gov.au/anon/home/adfd/spatial/>

## Fields/forecast elements included

Column A – Location Australian Area Code (AAC) identifier. Refer to IDM00013.dbf for location metadata.

Column B, C – Supplied latitude and longitude is provided as a reference from IDM00013. It is recommended to base coordinate locations from the IDM00013.dbf reference file.

Column D, E – Closest latitude and longitude relates to the grid coordinates of the Australian Digital Forecast Database (ADFD) that have been used to extract the information for the location.

Element type	Element name (<element>)	Frequency of data in file	Individual product ID (7nnnn)
Daytime maximum temperature (°C) 6am to 9pm	MaxT_SFC	Daily	71002
Overnight minimum temperature (°C) to 9am	MinT_SFC	Daily	71003
Temperature (°C) at specified time	T_SFC	Hourly	71000
Apparent temperature (°C) for specified time	ApparentT_SFC	Hourly	71068
Dewpoint temperature (°C) at specified time	Td_SFC	Hourly	71001
Relative humidity (%) for specified time	RH_SFC	Hourly	71018
Chance of any rain (%) on the day	DailyPoP_SFC	Daily	71090
Rest of day chance of any rain (%) on the day	RestOfDayPoP_SFC	Daily	71091
Daily mean precipitation amount	DailyPrecip_SFC	Daily	71005
50 <sup>th</sup> percentile daily rainfall amount (mm). When not 0mm, a 50% chance of exceeding this value.	DailyPrecip50Pct_SFC	Daily	71015

Element type	Element name (<element>)	Frequency of data in file	Individual product ID (7nnnn)
75 <sup>th</sup> percentile daily rainfall amount (mm). When not 0mm, a 25% chance of exceeding this value	DailyPrecip25Pct_SFC	Daily	71014
90 <sup>th</sup> percentile daily rainfall amount (mm). When not 0mm, a 10% chance of exceeding this value.	DailyPrecip10Pct_SFC	Daily	71030
3-hourly chance of any rainfall	PoP_SFC	3-hourly	71013
3-hourly mean precipitation amount	Precip_SFC	3-hourly	71004
50 <sup>th</sup> percentile 3-hourly rainfall amount (mm). When not 0mm, a 50% chance of exceeding this value.	Precip50Pct_SFC	3-hourly	71033
75 <sup>th</sup> percentile 3-hourly precipitation amount (mm). When not 0mm, a 25% chance of exceeding this value.	Precip25Pct_SFC	3-hourly	71032
90 <sup>th</sup> percentile 3-hourly precipitation amount (mm). When not 0mm, a 10% chance of exceeding this value.	Precip10Pct_SFC	3-hourly	71031
Wind speed for specified time	Wind_Mag_SFC	Hourly	71006
Wind gust (knots)	Windgust	Hourly	71021
Wind direction (degrees true) for specified time	Wind_Dir_SFC	Hourly	71089
Weather-fog	WxFog_SFC	3-hourly	71102
Weather-frost	WxFrost_SFC	3-hourly	71107
Weather-TS	WxThunderstorm_SFC	3-hourly	71094
Weather-snow	WxPrecipitationFrozen_SFC	3-hourly	71096
3-hourly weather icon codes	Wxlcon_SFC	3-hourly	71034
Daily weather icon codes	DailyWxlcon_SFC	Daily	71152
Sky cover (percentage cloud)	Sky_SFC	3-hourly	71017

Table 2 Forecast elements included in these products.

## Further information

The ADFD User Guide is available here: <http://reg.bom.gov.au/catalogue/adfdUserGuide.pdf>.



## Contact us

Connect with us via [webreg@bom.gov.au](mailto:webreg@bom.gov.au)