

# Graphical Area Forecast

Changes to Low-level Area Forecasts coming 9 November 2017

Move into the era of graphical forecasts

- ✓ More Intuitive
- ✓ More information
- ✓ Easy to use

AREA FORECAST 080500 TO 081700 AREA 30/32

OVERVIEW:  
SCATTERED RAIN E OF YECH/YMAV/CAMUS TENDING ISOLATED SE OF YMAV/YLTV/YBOM.  
MODERATE TURBULENCE BELOW 7000FT SE OF YBOM/YLTV/YMAV/CAMUS FROM 15Z.  
ISOLATED AREAS OF SMOKE OVER LAND E OF YECH/YMAV.

WIND:  
2000 5000 7000 10000  
340/20 320/20 310/15 280/15 PS08

CLOUD:  
BKN ST 1500/4000FT NE OF YECH/YMAV/YLTV/YBOM IN RA.  
BKN SC 2500/5000FT SEA/WI 30NM OF COAST IN RA.  
SCT SC 4000/7000FT E OF YECH/YMAV/CAMUS, BASES 2500FT SE OF YMAV/YLTV/YBOM  
AND TENDING BKN AT SEA.  
SCT AC/AS 9000/10000FT, TENDING BKN IN RA WITH BASES TO 7000FT.

WEATHER:  
RA, FU.

VISIBILITY:  
5000M RA AND FU.  
08KM -RA.

FREEZING LEVEL:  
ABV10000FT.

ICING:  
NIL SIGNIFICANT.

TURBULENCE:  
MOD IN AC.  
MOD BLW 7000FT SE OF YBOM/YLTV/YMAV/CAMUS FM15Z.

CRITICAL LOCALITIES:  
[HEIGHTS ABOVE MSL]  
KILMORE GAP [1200FT]: 9999 -RA BKN ST 2500  
TEMPO 0811/0817 7000 RA BKN ST 1500

REMARKS:  
FOR MORE INFORMATION CALL: 03 9669 4850

**All heights AMSL**  
TS / CB / TCU implies SEV ICE and SEV TURB  
CU / SC / AC implies MOD TURB CLD ABV FZLVL implies MOD ICE  
Speed of movement in KT ● refers to Critical Locations  
- refers to Limit of Forecast  
Check AIRMETS, SIGMETs and NOTAMs

**REMARKS:**  
CRITICAL LOCATIONS [HEIGHT AMSL]:  
KMG [1200FT]: 9999 -RA BKN ST 2500FT, TEMPO 0811/0817 5000M RA BKN ST 1500FT

For more information contact (03)9669 4850

**Graphical Area Forecast SFC - 10000FT VIC**  
Issued at 1703081015 - Valid 081100 to 081700  
Weather Features valid at 081100

AREA	SURFACE VIS AND WX	CLOUD, ICING AND TURB	FZLVL
<b>A</b>	>10KM NIL	SCT AC/AS 9000/ABV10000FT	ABV 10000FT
<b>B</b>	>10KM NIL	SCT SC 4000/7000FT SCT AC/AS 9000/ABV10000FT	ABV 10000FT
	5000M SCT RA	BKN ST 1500/4000FT BKN SC 4000/7000FT BKN AC/AS 7000/ABV10000FT	
	4000M ISOL FU		
<b>C</b>	>10KM NIL	SCT SC 2500/7000FT, BKN SEA SCT AC/AS 9000/ABV10000FT	ABV 10000FT
	8000M ISOL RA	BKN SC 2500/5000FT SEA/30NM INLAND BKN AC/AS 7000/ABV10000FT	
	4000M ISOL FU LAND		
		MOD TURB BLW 7000FT FM 15Z	

**GPWT FORECASTS (1000FT - FL140) - VT**  
PROVIDED BY AUSTRALIAN BUREAU OF METEOROLOGY

TIME	141°E	144°E	147°E	150°E
21 015	-09	21 021 -09	21 020 -10	21 022 -11
20 009	-03	21 011 -03	20 011 -04	21 015 -05
20 006	+02	15 004 +02	16 009 +01	17 015 +02
20 002	+02	15 005 +04	16 010 +04	17 016 +04
10 005	+08	15 010 +08	16 011 +07	18 011 +08
21 016	-08	21 020 -09	22 018 -11	21 022 -12
21 009	-04	22 012 -04	22 017 -04	21 021 -04
13 005	+01	17 006 +01	18 012 +01	20 022 +01
14 004	+04	14 007 +03	17 011 +02	19 021 +02
08 005	+05	11 008 +05	15 008 +05	17 014 +06
08 005	+07	11 008 +07	16 007 +07	17 014 +08
21 017	-09	20 021 -10	22 020 -11	21 023 -12
21 008	-05	22 013 -05	20 017 -05	21 022 -05
17 003	+01	19 009 +01	21 016 +00	21 022 +00
14 003	+04	16 009 +01	19 011 +02	18 020 +01
06 007	+05	14 006 +05	16 008 +05	18 013 +05
00 004	+05	16 005 +05	17 004 +05	18 012 +04
22 009	-06	21 015 -06	20 019 -06	21 022 -05
22 002	+03	16 007 +03	18 014 +01	18 022 -02
00 004	+05	16 005 +05	17 004 +05	18 012 +04
22 016	-14	22 023 -12	21 023 -13	20 036 -14
23 012	-06	22 015 -06	20 019 -07	20 024 -07
29 010	+01	21 006 +00	20 014 -01	20 020 -01
30 010	+01	24 005 +00	21 009 -01	20 014 -02
32 008	+05	25 006 +05	21 010 +05	21 015 +05
00 004	+07	17 004 +07	21 010 +07	21 015 +07
21 020	-12	22 026 -13	21 024 -14	21 026 -15
23 016	-06	22 019 -07	20 023 -08	20 028 -09
28 012	00	25 009 00	22 011 00	24 017 -01
30 014	+01	28 011 +02	24 011 +02	21 014 -01
31 014	+05	29 010 +05	24 011 +04	22 012 +04
31 014	+07	29 009 +07	24 011 +06	22 015 +06
23 022	-13	22 028 -13	22 026 -14	21 025 -15
28 023	-06	24 021 -07	22 023 -08	21 024 -08
28 013	00	26 015 -01	23 012 -01	21 019 -03
29 014	+03	29 015 +02	27 012 +03	23 014 +04
31 020	+05	30 015 +04	28 010 +04	23 011 +04
24 025	-13	23 021 -13	22 023 -14	21 027 -15
25 026	-06	25 022 -08	23 020 -08	22 023 -09
29 018	-02	25 014 -02	26 018 -02	24 019 -04
29 017	+01	28 015 +01	28 017 -01	27 012 -04
31 026	+05	31 020 +04	29 015 +03	27 013 +03
32 026	+07	31 020 +06	29 015 +05	27 013 +05
23 023	-13	24 023 -13	22 023 -14	21 027 -15
24 015	-05	26 020 -07	24 023 -08	23 023 -09
29 027	-02	28 024 -02	25 022 -02	26 021 -02
30 031	+01	27 024 +01	27 020 00	27 019 -03
31 034	+05	31 026 +04	30 021 +04	28 017 +04
32 031	+07	31 026 +06	30 021 +06	28 017 +06

ARFORs will cease 9 November 2017

Replaced by Graphical Area Forecast (GAF) and Grid Point Wind and Temperature (GPWT) products

## COMPARISON OF GAF/GPWT & ARFOR

ELEMENT	GAF	ARFOR
Number of forecast areas	10	28
Validity period	2 x 6 hour forecasts	1 x 12 hour forecast
Overview	✓ pictorial	✓
Wind & temperature	✓ high resolution GPWT forecasts	✓
Cloud	✓	✓
Weather and visibility	✓	✓
Turbulence and icing	✓	✓
Freezing level	✓	✓
Significant weather features	✓	✓
Critical location forecasts	✓	✓
Advise on significant changes to conditions	✓ via AIRMETS/SIGMETs	✓
Product format	PNG, PDF and XML	Text



Aviation Meteorological Services  
Learn more at: [www.bom.gov.au/aviation/gaf/index.shtml](http://www.bom.gov.au/aviation/gaf/index.shtml)  
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