

International Civil Aviation Organization

**FOURTEENTH MEETING OF THE
COMMUNICATIONS/NAVIGATION/SURVEILLANCE
AND METEOROLOGY SUB-GROUP OF APANPIRG
(CNS/MET SG/14)**

Jakarta, Indonesia, 19 – 22 July 2010



Agenda Item 15: Other MET issues

AERODROME CLIMATOLOGICAL SUMMARIES

(Presented by Australia)

SUMMARY

The Bureau of Meteorology is establishing aerodrome climatological summaries for selected Australian airports consistent with ICAO and WMO recommendations.

This paper relates to:

Strategic Objectives:

A: Safety – Enhance global civil aviation safety

D: Efficiency – Enhance the efficiency of aviation operations

Global Plan Initiatives:

GPI-18 Aeronautical Information

GPI-19 Meteorological systems

1. Introduction

1.1 The establishment of aerodrome climatological summaries will assist the aviation industry in strategic and operational planning. It will also provide forecasters with the specific climatological information necessary to provide optimum aerodrome forecasts and warnings for aerodromes.

2. Aerodrome Climatological Summaries

2.1 The Australian Bureau of Meteorology is establishing a set of aerodrome climatological summaries consistent with recommendations contained in ICAO Annex 3, Chapter 8, Section 8.3 and Appendix 7, Section 3.2, and WMO Publication No 49, Technical Regulations Volume II, C.3.2 and Attachment to C.3.2.

Recommendation. - *Aerodrome climatological summaries should follow the procedures prescribed by the World Meteorological Organization. Where computer facilities are available to store, process and retrieve the information, the summaries should be published or otherwise made available to aeronautical users on request. Where such computer facilities are not available, the summaries should be prepared using the models specified by the World Meteorological Organization and should be published and kept up to date as necessary. (Ref: Annex 3, Section 8.3)*

Recommendation. - Aerodrome climatological summaries should cover:

- a). frequencies of the occurrence of runway visual range/visibility and/or height of the base of the lowest cloud layer of BKN or OVC extent below specified values at specified times;
- b). frequencies of visibility below specified values at specified times;
- c).frequencies of the height of the base of the lowest cloud layer of BKN or OVC extent below specified values at specified times;
- d). frequencies of occurrence of concurrent wind direction and speed within specified ranges;
- e).frequencies of surface temperature in specified ranges of 5°C at specified times; and
- f). mean values and variations there from, including maximum and minimum values of meteorological elements required for operational planning purposes, including take-off performance calculations.

Note.— Models of climatological summaries related to a) to e) are given in WMO Publication No. 49, Technical Regulations, Volume II, C.3.2. (Ref: Annex 3, Appendix 7, Section 3.2)

2.2 Details of the aerodrome climatological summaries are given in the table below, with an example of each model given in Attachment 1.

Model A	Frequencies (percent) of the Occurrence of Visibility (Vis) and/or the Height of the Base of the Lowest Cloud Layer (Hs) of BKN or OVC Extent below specified values at specified times
Model B	Frequencies (percent) of Visibility (Vis) with reference to specified values at specified times
Model C	Frequencies (percent) of the Height of the Base (Hs) of the lowest Cloud Layer of BKN or OVC Extent with reference to specified values at specified times
Model D	Frequencies (per cent) of the Occurrence of Concurrent Wind Direction (10° Sections) and Speed within specified ranges
Model E	Frequencies (percent) of Surface (screen) Temperature in specified ranges at specified times
Model F	Occurrences of Specified Phenomena (days)

2.3 In constructing the summaries, models A to E were based on available METAR records and Model F was based on available SYNOP records. A minimum of five continuous years of records was needed for each model, and only observations taken at aerodromes were used.

2.4 The initial set of climatological summaries for 233 sites is expected to be available to users through a customised web interface in the second half of 2010.

2.5 Mindful of the increasing use of automated sensors for detecting an increasing range of meteorological elements at Australian aerodromes, the Australian Bureau of Meteorology is expected to review the use of automated sensor data in aerodrome reports, prior to the release of subsequent versions of the summaries.

3. Action required by the Meeting

3.1 The meeting is invited to note the information presented in this paper.

ATTACHMENT 1

Aerodrome Climatological Summary - Model A

CESSNOCK AIRPORT AWS • YCNK

Latitude: -32.7886° • Longitude: 151.3377° • Elevation 61m

Month: August

Period of Record: 01 Jun 1990 to 16 Jun 2010

Note: A dash indicates insufficient data or no observations. An asterisk indicates the event has occurred but with a frequency less than 0.05%.

Time (UTC)	Vis(m) / Hs(m,ft)					Total Observations
	<800	<1500	<3000	<5000	<8000	
	<60 (200ft)	<150 (500ft)	<300 (1000ft)	<450 (1500ft)	<600 (2000ft)	
0000	100.0	100.0	100.0	100.0	100.0	2
0030	-	-	-	-	-	-
0100	100.0	100.0	100.0	100.0	100.0	2
0130	-	-	-	-	-	-
0200	100.0	100.0	100.0	100.0	100.0	2
0230	-	-	-	-	-	-
0300	100.0	100.0	100.0	100.0	100.0	1
0330	-	-	-	-	-	-
0400	100.0	100.0	100.0	100.0	100.0	2
0430	-	-	-	-	-	-
0500	100.0	100.0	100.0	100.0	100.0	3
0530	-	-	-	-	-	-
0600	100.0	100.0	100.0	100.0	100.0	3
0630	-	-	-	-	-	-
0700	100.0	100.0	100.0	100.0	100.0	3
0730	-	-	-	-	-	-
0800	100.0	100.0	100.0	100.0	100.0	3
0830	-	-	-	-	-	-
0900	100.0	100.0	100.0	100.0	100.0	3
0930	-	-	-	-	-	-
1000	100.0	100.0	100.0	100.0	100.0	3
1030	-	-	-	-	-	-
1100	100.0	100.0	100.0	100.0	100.0	3
1130	-	-	-	-	-	-
1200	100.0	100.0	100.0	100.0	100.0	3
1230	-	-	-	-	-	-
1300	100.0	100.0	100.0	100.0	100.0	3
1330	-	-	-	-	-	-
1400	100.0	100.0	100.0	100.0	100.0	3
1430	-	-	-	-	-	-
1500	100.0	100.0	100.0	100.0	100.0	3
1530	-	-	-	-	-	-
1600	100.0	100.0	100.0	100.0	100.0	3
1630	-	-	-	-	-	-
1700	100.0	100.0	100.0	100.0	100.0	3
1730	-	-	-	-	-	-
1800	100.0	100.0	100.0	100.0	100.0	3
1830	-	-	-	-	-	-
1900	100.0	100.0	100.0	100.0	100.0	3
1930	-	-	-	-	-	-
2000	100.0	100.0	100.0	100.0	100.0	3
2030	-	-	-	-	-	-
2100	100.0	100.0	100.0	100.0	100.0	3
2130	100.0	100.0	100.0	100.0	100.0	1
2200	100.0	100.0	100.0	100.0	100.0	3
2230	-	-	-	-	-	-
2300	100.0	100.0	100.0	100.0	100.0	1
2330	-	-	-	-	-	-
Mean%	100.0	100.0	100.0	100.0	100.0	

Aerodrome Climatological Summary - Model B**AVALON AIRPORT • YMAV**

Latitude: -38.0287° • Longitude: 144.4783° • Elevation 10.6m

Month: June

Period of Record: 01 Jun 1990 to 16 Jun 2010

Note: A dash indicates insufficient data or no observations. An asterisk indicates the event has occurred but with a frequency less than 0.05%.

Frequencies (percent) of Visibility (Vis) with reference to specified values at specified times									
Time (UTC)	Vis (m)								
	<200	<400	<600	<800	<1500	<3000	<5000	<8000	Total Observations
0000	0.3	1.6	1.9	1.9	2.9	3.8	4.8	6.7	314
0030	0	0.8	1.2	1.2	2.0	2.8	4.0	6.0	252
0100	0	0.6	0.9	1.3	1.3	2.5	4.7	5.4	317
0130	0.4	1.2	1.2	1.6	1.6	2.0	2.4	5.2	248
0200	0	0.3	0.6	0.9	1.3	2.2	2.2	4.4	317
0230	0	0	0.4	0.4	0.8	1.6	2.0	4.0	248
0300	0	0	0	0	0	1.6	3.3	4.6	306
0330	0	0	0	0	0	0.4	0.8	5.2	248
0400	0	0	0	0	0	2.0	2.7	5.3	301
0430	0	0	0	0	0	0.4	0.8	2.8	248
0500	0	0	0	0	0	1.1	1.1	2.5	280
0530	0	0	0	0	0	0.4	0.8	2.4	249
0600	0	0	0	0	0.4	1.1	1.5	3.0	270
0630	0	0	0	0	0	0.4	1.2	2.0	246
0700	0	0	0	0	0	0.8	1.1	2.7	262
0730	0	0	0	0	0	0.4	1.6	4.4	249
0800	0	0	0	0	0.4	1.6	2.4	5.1	256
0830	0	0	0	0	0.4	0.8	2.4	6.8	249
0900	0.4	0.4	0.8	0.8	0.8	1.2	3.2	6.0	252
0930	0.4	0.4	0.4	0.4	0.8	1.6	4.4	7.2	249
1000	0.8	0.8	0.8	0.8	0.8	2.0	5.1	8.7	253
1030	0.8	1.2	1.6	1.6	1.6	3.6	5.2	12.0	249
1100	0.8	2.0	2.0	2.0	2.0	3.1	6.7	11.4	254
1130	1.6	1.6	2.0	2.0	2.4	3.2	7.7	11.3	248
1200	1.6	2.0	2.0	2.0	2.4	3.1	5.5	11.8	254
1230	2.0	2.4	2.4	2.4	2.8	5.2	7.6	12.0	249
1300	2.4	3.2	3.6	3.6	4.0	5.5	8.7	12.6	253
1330	2.4	3.6	3.6	3.6	3.6	4.8	8.0	14.5	249
1400	2.0	3.6	4.0	4.0	4.0	5.6	8.7	14.7	252
1430	2.0	3.6	3.6	3.6	4.4	5.2	10.8	16.9	249
1500	0.8	2.8	3.2	4.0	5.2	6.7	11.5	15.9	252
1530	1.6	2.8	4.0	4.0	6.5	7.3	11.7	14.5	248
1600	1.6	4.0	4.4	4.8	6.0	7.2	11.6	15.1	251
1630	0.8	1.2	3.2	4.4	6.0	9.2	12.4	16.5	249
1700	1.2	3.2	4.8	4.8	4.8	8.7	10.3	15.1	252
1730	1.2	2.8	4.0	4.0	5.2	9.3	12.5	19.0	248
1800	0.8	3.6	4.0	4.4	5.6	7.9	11.5	17.1	252
1830	1.6	3.2	3.6	5.6	6.4	8.0	10.8	17.7	249
1900	0	2.4	4.8	5.6	6.3	8.7	12.7	17.1	252
1930	0.8	2.0	2.0	3.6	4.8	8.4	12.0	16.9	249
2000	0.4	1.2	2.0	4.0	4.8	6.7	11.1	17.9	252
2030	0.8	2.0	2.8	3.2	4.4	6.8	9.2	16.5	249
2100	0.8	2.0	3.5	3.9	5.9	7.4	11.7	16.8	256
2130	0.4	2.8	4.0	4.4	5.2	7.2	10.8	17.2	250
2200	1.4	2.9	3.6	3.6	3.9	5.4	10.0	16.5	279
2230	0.8	2.0	2.4	2.4	3.2	4.4	7.6	12.8	250
2300	0.3	2.1	3.5	3.8	4.2	5.2	7.0	11.5	266
2330	0.4	2.4	2.4	3.2	4.0	4.0	4.4	7.6	249
Mean%	0.7	1.6	2.0	2.2	2.8	4.1	6.5	10.4	

Aerodrome Climatological Summary - Model C

NORFOLK ISLAND AERO • YSNF

Latitude: -29.0389° • Longitude: 167.9408° • Elevation 111.73m

Month: August

Period of Record: 01 Jun 1990 to 16 Jun 2010

Note: A dash indicates insufficient data or no observations. An asterisk indicates the event has occurred but with a frequency less than 0.05%.

Frequencies (percent) of the Height of the Base (Hs) of the lowest Cloud Layer of BKN or OVC Extent with reference to specified values at specified times							
Time (UTC)	Hs (m,ft)						Total Observations
	<30 (100ft)	<60 (200ft)	<90 (300ft)	<150 (500ft)	<300 (1000ft)	<450 (1500ft)	
0000	0	0.3	0.3	0.5	1.9	3.5	373
0030	0	0.4	0.4	0.4	3.3	5.7	244
0100	0	0	0.2	0.7	2.3	3.2	438
0130	0	0	0	1.7	3.0	5.6	234
0200	0	0	0	0.9	2.5	3.6	442
0230	0	0	0	0.8	3.6	6.4	250
0300	0	0	0	0.5	2.3	3.4	443
0330	0	0	0	0	4.4	7.1	252
0400	0	0.2	0.2	0.5	2.3	3.5	426
0430	0	0.4	0.4	2.0	4.0	5.7	247
0500	0	0.2	0.2	0.9	2.0	2.9	445
0530	0	0.4	0.4	1.7	3.3	4.6	241
0600	0	0.2	0.2	1.1	2.7	3.8	446
0630	0	0.4	0.4	1.2	3.7	4.5	243
0700	0	0.2	0.2	0.5	2.1	2.8	427
0730	0	0.5	0.5	0.9	3.2	6.5	216
0800	0	0.3	0.3	1.6	3.1	3.9	383
0830	0	0.4	0.4	2.2	4.8	7.0	228
0900	0	0.3	0.5	1.3	2.8	3.6	369
0930	0	0.9	1.4	1.8	5.5	6.9	217
1000	0	0.5	0.8	1.1	2.6	4.0	379
1030	0	0.9	1.4	2.3	3.3	6.6	213
1100	0	0	0.5	1.8	2.6	3.9	388
1130	0	0.4	1.3	1.8	4.5	6.3	223
1200	0	0	0.8	1.5	1.5	3.1	389
1230	0	0	0.5	2.4	3.3	6.2	209
1300	0	0	0	1.8	3.6	9.3	168
1330	0	0	0.6	2.4	6.1	9.1	164
1400	0	0.6	0.6	1.8	5.4	9.3	168
1430	0	0.6	0.6	1.2	7.3	7.9	165
1500	0	0	0	1.2	8.1	11.2	161
1530	0	0	0	1.2	5.9	8.9	169
1600	0	0	0	0.6	5.3	8.8	171
1630	0	0	0	0	6.0	10.4	183
1700	0	0	0	0	5.1	8.1	332
1730	0	0	0	1.0	5.8	9.7	207
1800	0	0	0	1.2	5.0	6.8	337
1830	0	0	0	0.5	4.5	8.5	201
1900	0	0	0	1.5	4.5	5.3	337
1930	0	0	1.0	2.5	7.4	9.4	202
2000	0	0.2	0.2	1.1	3.9	4.6	438
2030	0	0	0	0.8	4.6	7.6	237
2100	0	0	0	0.4	2.5	3.8	446
2130	0	0	0	0	2.9	6.2	241
2200	0	0	0	0.7	2.5	3.6	442
2230	0	0	0	0.4	2.0	4.5	246
2300	0	0	0	0.7	1.8	3.3	450
2330	0	0	0.4	0.8	2.5	6.1	244
Mean%	0	0.2	0.3	1.1	3.8	5.9	

Aerodrome Climatological Summary - Model D

ALBION PARK (WOLLONGONG AIRPORT) • YWOL

Latitude: -34.5638° • Longitude: 150.79° • Elevation 8m

Month: June

Period of Record: 02 Jun 1990 to 17 Jun 2010

Note: A dash indicates insufficient data or no observations. An asterisk indicates the event has occurred but with a frequency less than 0.05%.

10199 Total Observations

Frequencies (per cent) of the Occurrence of Concurrent Wind Direction (10° Sections) and Speed within specified ranges													
Wind direction	Wind speed (in knots)												Total(%)
	calm	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	>50	
calm	13.4	0	0	0	0	0	0	0	0	0	0	0	13.4
360	0	0	0	0	0	0	0	0	0	0	0	0	0.0
010	0	0.3	0.4	0.1	0	0	0	0	0	0	0	0	0.8
020	0	0.4	0.3	0.0	0	0	0	0	0	0	0	0	0.7
030	0	0.5	0.3	0.0	0.0	0	0	0	0	0	0	0	0.8
040	0	0.5	0.4	0.0	0.0	0	0	0	0	0	0	0	0.9
050	0	0.6	1.0	0.0	0.0	0.0	0	0	0	0	0	0	1.7
060	0	0.5	1.0	0.0	0.0	0	0.0	0	0	0	0	0	1.6
070	0	0.6	0.4	0.0	0.0	0	0	0	0	0	0	0	1.0
080	0	0.3	0.2	0.0	0.0	0	0	0	0	0	0	0	0.5
090	0	0.3	0.2	0.0	0.0	0	0	0	0	0	0	0	0.5
100	0	0.2	0.2	0.0	0	0	0	0	0	0	0	0	0.4
110	0	0.3	0.1	0.0	0	0	0	0	0	0	0	0	0.4
120	0	0.3	0.2	0	0	0	0	0	0	0	0	0	0.5
130	0	0.4	0.1	0.0	0	0.0	0	0	0	0	0	0	0.5
140	0	0.3	0.2	0.1	0	0	0	0	0	0	0	0	0.5
150	0	0.3	0.3	0.1	0.0	0	0	0	0	0	0	0	0.8
160	0	0.4	0.7	0.2	0.0	0	0	0	0	0	0	0	1.3
170	0	0.5	0.9	0.2	0.0	0.0	0	0	0	0	0	0	1.6
180	0	0.8	1.0	0.3	0.0	0	0	0	0	0	0	0	2.1
190	0	0.8	1.0	0.7	0.1	0.0	0	0	0	0	0	0	2.6
200	0	0.8	1.2	1.0	0.4	0.1	0.0	0.0	0	0	0	0	3.5
210	0	1.0	1.3	1.2	0.7	0.3	0.1	0	0	0	0	0	4.7
220	0	1.0	0.9	0.8	0.5	0.1	0.0	0	0	0	0	0	3.4
230	0	1.5	0.8	0.5	0.2	0	0	0	0	0	0	0	3.0
240	0	2.1	1.0	0.5	0.2	0.0	0	0	0	0	0	0	3.8
250	0	2.8	1.6	1.2	0.8	0.2	0.0	0	0.0	0	0	0	6.7
260	0	2.8	2.3	2.2	2.2	0.8	0.2	0.1	0.0	0	0	0	10.6
270	0	3.4	2.3	3.0	1.8	0.8	0.4	0.1	0.0	0	0	0	11.8
280	0	2.5	1.9	1.7	0.7	0.2	0.1	0.0	0	0	0	0	7.2
290	0	1.3	1.2	0.8	0.3	0.1	0.0	0.0	0	0	0	0	3.7
300	0	0.9	0.9	0.5	0.2	0.0	0.0	0	0	0	0	0	2.4
310	0	0.6	0.6	0.2	0.0	0	0	0	0	0	0	0	1.5
320	0	0.5	0.6	0.1	0.0	0	0	0	0	0	0	0	1.3
330	0	0.4	0.4	0.1	0.0	0	0	0	0	0	0	0	0.9
340	0	0.4	0.4	0.1	0.0	0	0	0	0	0	0	0	0.9
350	0	0.3	0.4	0.1	0	0	0	0	0	0	0	0	0.8
Total(%)	13.4	30.6	26.7	15.9	8.4	2.9	0.9	0.3	0.0	0	0	0	

Aerodrome Climatological Summary - Model E

PARAFIELD AIRPORT • YPPF

Latitude: -34.7977° • Longitude: 138.6281° • Elevation 9.5m

Month: January

Period of Record: 02 Jun 1990 to 17 Jun 2010

Note: A dash indicates insufficient data or no observations. An asterisk indicates the event has occurred but with a frequency less than 0.05%.

Frequencies (percent) of Surface (screen) Temperature in specified ranges at specified times													
Time (UTC)	Temperature (degrees C)												Total Observations
	<-5	-5-0	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	>45	
0000	0	0	0	0	0.2	17.0	40.0	21.4	12.4	7.5	1.5	0	547
0030	0	0	0	0.2	0.2	11.3	41.1	22.4	13.6	9.1	2.2	0	550
0100	0	0	0	0	0.4	8.2	39.1	24.5	15.1	10.7	2.0	0	550
0130	0	0	0	0	0.4	5.8	38.9	27.0	15.9	10.9	3.1	0	548
0200	0	0	0	0	0	4.2	33.9	28.6	17.5	12.2	3.6	0	549
0230	0	0	0	0	0	3.8	31.8	28.5	18.9	13.4	3.6	0	551
0300	0	0	0	0	0	3.4	29.3	28.1	20.5	13.9	4.7	0	552
0330	0	0	0	0	0	3.4	27.8	27.3	22.6	13.2	5.4	0	553
0400	0	0	0	0	0	3.6	26.0	28.7	22.3	14.2	4.7	0.2	551
0430	0	0	0	0	0	3.6	24.2	30.2	21.9	15.4	4.2	0.2	553
0500	0	0	0	0	0	3.6	25.1	28.7	22.9	14.4	4.5	0.7	550
0530	0	0	0	0	0	3.1	25.8	27.4	23.0	14.2	6.4	0.2	551
0600	0	0	0	0	0	3.1	26.9	27.3	24.0	12.8	5.8	0.2	554
0630	0	0	0	0	0	3.4	27.4	28.8	22.1	13.4	4.7	0	552
0700	0	0	0	0	0	4.0	28.3	29.7	20.7	13.0	4.2	0	552
0730	0	0	0	0	0.2	5.4	28.5	30.3	21.1	10.3	4.0	0	554
0800	0	0	0	0	0.2	6.1	32.5	28.9	19.1	9.9	3.1	0	554
0830	0	0	0	0	0	9.4	32.8	29.8	16.7	8.5	2.5	0	551
0900	0	0	0	0	0	14.6	34.7	26.4	15.5	7.2	1.6	0	554
0930	0	0	0	0	0	22.1	35.4	22.4	13.6	5.8	0.7	0	553
1000	0	0	0	0	0.2	31.2	34.4	19.0	11.8	3.4	0	0	552
1030	0	0	0	0	0.5	37.5	33.2	17.9	9.0	1.8	0	0	554
1100	0	0	0	0	1.8	42.8	30.0	17.5	7.0	0.9	0	0	554
1130	0	0	0	0	3.6	45.5	27.9	15.8	6.2	1.1	0	0	552
1200	0	0	0	0	4.5	48.9	24.8	15.4	5.4	0.9	0	0	552
1230	0	0	0	0	5.4	49.7	23.9	14.6	5.4	0.9	0	0	553
1300	0	0	0	0	7.6	49.9	22.7	14.2	5.1	0.5	0	0	551
1330	0	0	0	0	8.3	51.9	19.7	15.0	4.3	0.7	0	0	553
1400	0	0	0	0	10.9	49.6	20.5	13.8	4.9	0.4	0	0	552
1430	0	0	0	0	13.9	47.9	21.5	11.9	4.3	0.4	0	0	553
1500	0	0	0	0	15.1	47.5	21.2	11.4	4.7	0	0	0	551
1530	0	0	0	0	16.7	48.3	19.1	11.3	4.5	0.2	0	0	551
1600	0	0	0	0	19.4	46.4	18.8	10.9	4.2	0.4	0	0	552
1630	0	0	0	0	20.8	47.6	17.0	10.5	3.8	0.4	0	0	553
1700	0	0	0	0	23.4	44.9	17.8	10.5	3.1	0.4	0	0	552
1730	0	0	0	0	24.8	45.8	15.6	10.3	3.4	0.2	0	0	553
1800	0	0	0	0.4	26.8	44.5	15.0	10.7	2.5	0.2	0	0	553
1830	0	0	0	0.2	28.9	43.2	15.4	9.9	2.2	0.2	0	0	553
1900	0	0	0	0.4	29.2	43.8	14.7	9.8	2.0	0.2	0	0	552
1930	0	0	0	0.5	30.2	43.2	14.6	9.2	2.0	0.2	0	0	553
2000	0	0	0	0.4	31.9	43.0	13.1	9.4	2.2	0	0	0	551
2030	0	0	0	0.2	25.3	46.5	16.0	9.1	2.9	0	0	0	550
2100	0	0	0	0	9.6	53.2	23.1	9.8	4.2	0.2	0	0	553
2130	0	0	0	0	2.2	53.9	25.8	11.3	6.4	0.5	0	0	551
2200	0	0	0	0	1.1	47.3	29.3	12.3	8.5	1.4	0	0	552
2230	0	0	0	0	0.7	37.4	33.8	15.7	9.8	2.5	0	0	553
2300	0	0	0	0	0	29.6	37.1	18.0	11.8	3.6	0	0	550
2330	0	0	0	0	0.2	22.5	37.9	20.3	13.1	5.4	0.5	0	551
Mean%	0	0	0	*	7.6	26.8	26.5	19.0	11.1	5.4	1.5	*	

Aerodrome Climatological Summary - Model F

JABIRU AIRPORT • YJAB

Latitude: -12.6594° • Longitude: 132.8939° • Elevation 26.5m

Period of Record: 06 Jun 1990 to 21 Jun 2010

Note: A dash indicates insufficient data or no observations. Mean values are rounded to one decimal an asterisk indicates a value less than 0.05.

Occurrences of Specified Phenomena (days)												
ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
BLOWING DRIFTING SNOW DAYS												
Maximum	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0	0	0	0	0	0	0	0	0	0	0	0
Minimum	0	0	0	0	0	0	0	0	0	0	0	0
DRIZZLE DAYS												
Maximum	0	0	0	0	0	1	0	0	0	0	0	0
Mean	0	0	0	0	0	0.1	0	0	0	0	0	0
Minimum	0	0	0	0	0	0	0	0	0	0	0	0
DUST/SAND DAYS												
Maximum	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0	0	0	0	0	0	0	0	0	0	0	0
Minimum	0	0	0	0	0	0	0	0	0	0	0	0
DUSTSTORM/SANDSTORM DAYS												
Maximum	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0	0	0	0	0	0	0	0	0	0	0	0
Minimum	0	0	0	0	0	0	0	0	0	0	0	0
DUST WHIRLS (DEVIL) DAYS												
Maximum	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0	0	0	0	0	0	0	0	0	0	0	0
Minimum	0	0	0	0	0	0	0	0	0	0	0	0
FOG DAYS												
Maximum	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0	0	0	0	0	0	0	0	0	0	0	0
Minimum	0	0	0	0	0	0	0	0	0	0	0	0
FREEZING PRECIPITATION DAYS												
Maximum	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0	0	0	0	0	0	0	0	0	0	0	0
Minimum	0	0	0	0	0	0	0	0	0	0	0	0
FUNNEL CLOUD DAYS												
Maximum	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0	0	0	0	0	0	0	0	0	0	0	0
Minimum	0	0	0	0	0	0	0	0	0	0	0	0
GALE DAYS												
Maximum	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0	0	0	0	0	0	0	0	0	0	0	0
Minimum	0	0	0	0	0	0	0	0	0	0	0	0
HAIL DAYS												
Maximum	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0	0	0	0	0	0	0	0	0	0	0	0
Minimum	0	0	0	0	0	0	0	0	0	0	0	0
HAZE DAYS												
Maximum	0	0	0	0	0	11	0	0	0	0	0	0
Mean	0	0	0	0	0	1.6	0	0	0	0	0	0
Minimum	0	0	0	0	0	0	0	0	0	0	0	0
MIST DAYS												
Maximum	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0	0	0	0	0	0	0	0	0	0	0	0
Minimum	0	0	0	0	0	0	0	0	0	0	0	0
RAIN DAYS												
Maximum	29	28	30	21	9	3	1	1	3	13	20	25
Mean	20.6	21.2	18.3	8.6	2.8	1.0	1.0	1.0	2.2	4.0	10.2	16.9
Minimum	6	1	2	2	0	0	1	1	1	1	1	2
SHOWER DAYS												
Maximum	2	2	1	1	0	0	0	0	0	1	1	3
Mean	0.5	0.6	0.2	0.1	0	0	0	0	0	0.2	0.1	0.4
Minimum	0	0	0	0	0	0	0	0	0	0	0	0
SMOKE DAYS												
Maximum	0	0	0	0	0	8	0	0	0	0	0	0
Mean	0	0	0	0	0	1.1	0	0	0	0	0	0
Minimum	0	0	0	0	0	0	0	0	0	0	0	0
SNOW DAYS												
Maximum	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0	0	0	0	0	0	0	0	0	0	0	0
Minimum	0	0	0	0	0	0	0	0	0	0	0	0
SQUALL DAYS												
Maximum	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0	0	0	0	0	0	0	0	0	0	0	0
Minimum	0	0	0	0	0	0	0	0	0	0	0	0
THUNDERSTORM DAYS												
Maximum	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0	0	0	0	0	0	0	0	0	0	0	0
Minimum	0	0	0	0	0	0	0	0	0	0	0	0