



Solomon Islands Meteorological Service Division

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**AERONAUTICAL CLIMATOLOGICAL SUMMARY –
HENDERSON AIRPORT**

**MODEL B
FREQUENCIES (PER CENT) OF THE HEIGHT OF
THE BASE (IN METERS) OF THE LOWEST CLOUD
LAYER OF BKN OR OVC EXTENT BELOW
SPECIFIED VALUES AT SPECIFIED TIMES**

1st Issue, 21st March 2023

Aerodrome Climatological Summary – Model B

HENDERSON AIRPORT

Latitude: 09 25'S Longitude: 159 58'E Elevation above MSL: 55 m

Period of Record: 01 Jan 2017 to 31 Dec 2021

Notes:

* Indicates the event has occurred but with a frequency less than 0.05%.

Month: January

Total Observations: 2489.0

FREQUENCIES(PERCENT) OF THE HEIGHT OF THE BASE (IN METERS) OF THE LOWEST CLOUD LAYER OF BKN OR OVC EXTENT BELOW SPECIFIED VALUES AT SPECIFIED TIMES							
Time (UTC)	<30 (100 ft)	<60 (200 ft)	<90 (300 ft)	<150 (500 ft)	<300 (1000 ft)	<450 (1500 ft)	Total Observations
0000	0.4	0.4	0.4	0.7	2.5	3.2	277
0300	0.3	0.3	0.3	0.6	1.6	2.5	318
0600	1.1	1.1	1.1	1.1	1.9	3.2	373
0900	0.3	0.3	0.3	0.6	0.6	8.4	346
1200	0	0	0	0	0.6	12.8	320
1500	0.0	0.3	0.3	0.3	2.0	34.9	298
1800	0	0	0	0.4	1.5	38.3	274
2100	0.7	0.7	0.7	0.7	3.5	6.4	283
Mean (%)	0.4	0.4	0.4	0.6	1.8	13.7	

Aerodrome Climatological Summary – Model B

HENDERSON AIRPORT

Latitude: 09 25'S Longitude: 159 58'E Elevation above MSL: 55 m

Period of Record: 01 Jan 2017 to 31 Dec 2021

Notes:

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Month: February

Total Observations: 2341.0

FREQUENCIES(PERCENT) OF THE HEIGHT OF THE BASE (IN METERS) OF THE LOWEST CLOUD LAYER OF BKN OR OVC EXTENT BELOW SPECIFIED VALUES AT SPECIFIED TIMES							
Time (UTC)	<30 (100 ft)	<60 (200 ft)	<90 (300 ft)	<150 (500 ft)	<300 (1000 ft)	<450 (1500 ft)	Total Observations
0000	0.7	0.7	0.7	0.7	3.2	6.0	285
0300	0.3	0.3	0.3	0.6	6.1	4.1	314
0600	0.6	0.6	0.6	1.5	2.7	4.2	335
0900	1.0	1.3	1.3	2.3	3.3	7.5	305
1200	1.1	1.1	1.1	1.4	1.8	14.7	285
1500	0.0	0.0	0.0	0.8	1.1	22.1	262
1800	0	0	0	0.4	1.8	27.9	272
2100	0.7	0.7	0.7	0.7	3.5	6.4	283
Mean (%)	0.6	0.6	0.6	1.1	2.9	11.6	

Aerodrome Climatological Summary – Model B

HENDERSON AIRPORT

Latitude: 09 25'S Longitude: 159 58'E Elevation above MSL: 55 m

Period of Record: 01 Jan 2017 to 31 Dec 2021

Notes:

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Month: March

Total Observations: 2459.0

FREQUENCIES(PERCENT) OF THE HEIGHT OF THE BASE (IN METERS) OF THE LOWEST CLOUD LAYER OF BKN OR OVC EXTENT BELOW SPECIFIED VALUES AT SPECIFIED TIMES							
Time (UTC)	<30 (100 ft)	<60 (200 ft)	<90 (300 ft)	<150 (500 ft)	<300 (1000 ft)	<450 (1500 ft)	Total Observations
0000	0	0	0	0	1.1	1.8	282
0300	0	0	0	0.3	1.8	2.1	340
0600	0	0	0	0.3	1.6	3.1	384
0900	0	0	0	0.3	0.9	6.7	345
1200	0	0	0	0	0.7	13.5	304
1500	0.0	0.0	0.0	0.0	0.0	25.6	270
1800	0	0	0	0	0	36.8	253
2100	0	0	0	0	1.1	1.8	281
Mean (%)	0.0	0.0	0.0	0.1	0.9	11.4	

Aerodrome Climatological Summary – Model B

HENDERSON AIRPORT

Latitude: 09 25'S Longitude: 159 58'E Elevation above MSL: 55 m

Period of Record: 01 Jan 2017 to 31 Dec 2021

Notes:

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Month: April

Total Observations: 2421.0

FREQUENCIES(PERCENT) OF THE HEIGHT OF THE BASE (IN METERS) OF THE LOWEST CLOUD LAYER OF BKN OR OVC EXTENT BELOW SPECIFIED VALUES AT SPECIFIED TIMES							
Time (UTC)	<30 (100 ft)	<60 (200 ft)	<90 (300 ft)	<150 (500 ft)	<300 (1000 ft)	<450 (1500 ft)	Total Observations
0000	0	0.7	0.7	1.0	1.7	2.1	289
0300	0.3	0.3	0.3	0.3	2.1	2.6	340
0600	0	0	0	0.8	2.1	3.8	373
0900	0	0	0	0.9	2.2	6.2	321
1200	0	0	0	0.3	0.7	12.5	295
1500	0.0	0.0	0.0	0.4	0.8	30.4	257
1800	0	0	0	0.4	0.8	35.0	257
2100	0	0.7	0.7	1.0	1.7	2.1	289
Mean (%)	0.0	0.2	0.2	0.6	1.5	11.8	

Aerodrome Climatological Summary – Model B

HENDERSON AIRPORT

Latitude: 09 25'S Longitude: 159 58'E Elevation above MSL: 55 m

Period of Record: 01 Jan 2017 to 31 Dec 2021

Notes:

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Month: May

Total Observations: 2256

FREQUENCIES(PERCENT) OF THE HEIGHT OF THE BASE (IN METERS) OF THE LOWEST CLOUD LAYER OF BKN OR OVC EXTENT BELOW SPECIFIED VALUES AT SPECIFIED TIMES							
Time (UTC)	<30 (100 ft)	<60 (200 ft)	<90 (300 ft)	<150 (500 ft)	<300 (1000 ft)	<450 (1500 ft)	Total Observations
0000	0	0	0	0	1.1	1.1	278
0300	0	0	0	0	0.6	0.6	319
0600	0	0	0	0	0.5	0.8	364
0900	0	0	0	0	0.3	1.3	309
1200	0	0	0	0	0	8.4	275
1500	0.0	0.0	0.0	0.0	0.0	27.0	244
1800	0	0	0	0	0.5	37.0	189
2100	0	0	0	0	1.1	1.1	278
Mean (%)	0.0	0.0	0.0	0.0	0.5	9.7	

Aerodrome Climatological Summary – Model B

HENDERSON AIRPORT

Latitude: 09 25'S Longitude: 159 58'E Elevation above MSL: 55 m

Period of Record: 01 Jan 2017 to 31 Dec 2021

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Month: June

Total Observations: 1916

FREQUENCIES(PERCENT) OF THE HEIGHT OF THE BASE (IN METERS) OF THE LOWEST CLOUD LAYER OF BKN OR OVC EXTENT BELOW SPECIFIED VALUES AT SPECIFIED TIMES							
Time (UTC)	<30 (100 ft)	<60 (200 ft)	<90 (300 ft)	<150 (500 ft)	<300 (1000 ft)	<450 (1500 ft)	Total Observations
0000	0	0	0.4	0.8	1.6	3.3	246
0300	0	0	0	0.8	1.2	1.9	257
0600	0	0	0	0.7	2.8	3.5	283
0900	0	0	0	0	0.4	3.8	236
1200	0	0	0.5	0.5	1.4	14.3	217
1500	0.0	0.0	0.0	0.0	0.0	30.2	225
1800	0	0	0	0	0.5	44.9	205
2100	0	0	0.4	0.8	1.6	3.2	247
Mean (%)	0.0	0.0	0.2	0.5	1.2	13.1	

Aerodrome Climatological Summary – Model B

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Month: July

Total Observations: 1949

FREQUENCIES(PERCENT) OF THE HEIGHT OF THE BASE (IN METERS) OF THE LOWEST CLOUD LAYER OF BKN OR OVC EXTENT BELOW SPECIFIED VALUES AT SPECIFIED TIMES							
Time (UTC)	<30 (100 ft)	<60 (200 ft)	<90 (300 ft)	<150 (500 ft)	<300 (1000 ft)	<450 (1500 ft)	Total Observations
0000	0	0	0	0	0.4	0.4	244
0300	0	0	0	0	0	0.4	264
0600	0	0	0	0.3	1.1	2.0	352
0900	0	0	0	0	1.2	3.3	241
1200	0	0	0	0.5	0.5	20.4	211
1500	0.0	0.5	0.5	0.5	1.0	43.5	200
1800	0	0	0	0	0.5	51.3	193
2100	0	0	0	0	0.4	0.4	244
Mean (%)	0.0	0.1	0.1	0.2	0.6	15.2	

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HENDERSON AIRPORT

Latitude: 09 25'S Longitude: 159 58'E Elevation above MSL: 55 m

Period of Record: 01 Jan 2017 to 31 Dec 2021

Notes:

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Month: August

Total Observations: 2296

FREQUENCIES(PERCENT) OF THE HEIGHT OF THE BASE (IN METERS) OF THE LOWEST CLOUD LAYER OF BKN OR OVC EXTENT BELOW SPECIFIED VALUES AT SPECIFIED TIMES							
Time (UTC)	<30 (100 ft)	<60 (200 ft)	<90 (300 ft)	<150 (500 ft)	<300 (1000 ft)	<450 (1500 ft)	Total Observations
0000	0	0	0	0.3	1.4	2.4	286
0300	0	0	0.6	0.6	1.0	1.3	314
0600	0	0	0.3	0.3	1.0	1.4	287
0900	0	0	0	0	0	0	317
1200	0	0	0	0	0.4	12.2	279
1500	0.0	0.0	0.0	0.0	0.8	34.4	262
1800	0	0	0	0	0.38	40	265
2100	0	0	0	0.3	1.4	2.4	286
Mean (%)	0.0	0.0	0.1	0.2	0.8	11.8	

Aerodrome Climatological Summary – Model B

HENDERSON AIRPORT

Latitude: 09 25'S Longitude: 159 58'E Elevation above MSL: 55 m

Period of Record: 01 Jan 2017 to 31 Dec 2021

Notes:

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Month: September

Total Observations: 2319

FREQUENCIES(PERCENT) OF THE HEIGHT OF THE BASE (IN METERS) OF THE LOWEST CLOUD LAYER OF BKN OR OVC EXTENT BELOW SPECIFIED VALUES AT SPECIFIED TIMES							
Time (UTC)	<30 (100 ft)	<60 (200 ft)	<90 (300 ft)	<150 (500 ft)	<300 (1000 ft)	<450 (1500 ft)	Total Observations
0000	0	0	0	0.4	1.8	2.1	284
0300	0	0	0	0.3	1.5	1.8	330
0600	0	0.3	0.3	0.3	0.7	0.7	291
0900	0	0.3	0.3	0.3	0.6	3.9	310
1200	0	0	0	0.3	2.1	15.0	287
1500	0.0	0.0	0.0	0.4	1.5	38.1	265
1800	0	0	0	0.4	1.5	41.9	267
2100	0	0	0	0	1.4	1.8	285
Mean (%)	0.0	0.1	0.1	0.3	1.4	13.2	

Aerodrome Climatological Summary – Model B

HENDERSON AIRPORT

Latitude: 09 25'S Longitude: 159 58'E Elevation above MSL: 55 m

Period of Record: 01 Jan 2017 to 31 Dec 2021

Notes:

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Month: October

Total Observations: 2529

FREQUENCIES(PERCENT) OF THE HEIGHT OF THE BASE (IN METERS) OF THE LOWEST CLOUD LAYER OF BKN OR OVC EXTENT BELOW SPECIFIED VALUES AT SPECIFIED TIMES							
Time (UTC)	<30 (100 ft)	<60 (200 ft)	<90 (300 ft)	<150 (500 ft)	<300 (1000 ft)	<450 (1500 ft)	Total Observations
0000	0	0	0	0.4	0.4	0.7	283
0300	0	0	0	0	0	0	335
0600	0	0	0	0	1.3	1.7	462
0900	0	0	0	0	0.9	1.7	348
1200	0	0	0	0	0.3	7.8	296
1500	0.0	0.4	0.4	0.4	0.4	33.2	265
1800	0	0	0	0	0	40.5	257
2100	0	0	0	0.7	0.7	1.1	283
Mean (%)	0.0	0.1	0.1	0.2	0.5	10.8	

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HENDERSON AIRPORT

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Period of Record: 01 Jan 2017 to 31 Dec 2021

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Month: November

Total Observations: 2452

FREQUENCIES(PERCENT) OF THE HEIGHT OF THE BASE (IN METERS) OF THE LOWEST CLOUD LAYER OF BKN OR OVC EXTENT BELOW SPECIFIED VALUES AT SPECIFIED TIMES							
Time (UTC)	<30 (100 ft)	<60 (200 ft)	<90 (300 ft)	<150 (500 ft)	<300 (1000 ft)	<450 (1500 ft)	Total Observations
0000	0	0	0	0.3	1.7	2.4	288
0300	0	0	0	0.3	1.4	2.3	354
0600	0	0	0	0	1.6	2.1	381
0900	0	0	0	0	0	2.0	342
1200	0	0	0	0	0	11.1	297
21500	0.0	0.0	0.0	0.0	0.0	33.1	251
1800	0	0	0	0	0.4	39.0	251
2100	0	0	0	0	1.4	2.1	288
Mean (%)	0.0	0.0	0.0	0.1	0.8	11.8	

Aerodrome Climatological Summary – Model B

HENDERSON AIRPORT

Latitude: 09 25'S Longitude: 159 58'E Elevation above MSL: 55 m

Period of Record: 01 Jan 2017 to 31 Dec 2021

Notes:

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Month: December

Total Observations: 2650

FREQUENCIES(PERCENT) OF THE HEIGHT OF THE BASE (IN METERS) OF THE LOWEST CLOUD LAYER OF BKN OR OVC EXTENT BELOW SPECIFIED VALUES AT SPECIFIED TIMES							
Time (UTC)	<30 (100 ft)	<60 (200 ft)	<90 (300 ft)	<150 (500 ft)	<300 (1000 ft)	<450 (1500 ft)	Total Observations
0000	0	0	0	0	1.2	2.5	322
0300	0	0	0	0.3	1.4	2.2	365
0600	0	0	0	0	1.8	3.6	394
0900	0	0	0	0	1.1	6.4	360
1200	0	0	0	0	0.9	14.3	322
1500	0.0	0.0	0.0	0.0	1.0	33.0	291
1800	0	0	0	0.36	1.46	38.32	274
2100	0	0	0	0.3	1.6	2.8	322
Mean (%)	0.0	0.0	0.0	0.1	1.3	12.9	