

METEOROLOGICAL
OFFICE
EDINBURGH
30 DEC 1968

65/151

Met.O.808a

METEOROLOGICAL OFFICE

Geophysical Memoirs No. 111
(FIRST NUMBER, VOLUME XV)

UPPER AIR OBSERVATIONS AT THE SEYCHELLES

1963-64

BY

P.B. WRIGHT, B.Sc., AND R.A. EBDON

LONDON: HER MAJESTY'S STATIONERY OFFICE

ELEVEN SHILLINGS NET

Met.O.808a

METEOROLOGICAL OFFICE

Geophysical Memoirs No. 111
(FIRST NUMBER, VOLUME XV)

UPPER AIR OBSERVATIONS
AT THE SEYCHELLES
1963-64

BY

P.B. WRIGHT, B.Sc., AND R.A. EBDON

LONDON: HER MAJESTY'S STATIONERY OFFICE

1968

U.D.C.
551.506.7(696)
551.589.5

Geophys. Mem. London
15, No. 111, 1968

TABLE OF CONTENTS

	<i>Page</i>
SUMMARY	3
INTRODUCTION	3
SECTION 1. Representativeness of the data	4
2. Tropospheric winds	4
3. Comparison of tropospheric winds with those at Gan	7
4. Stratospheric winds	9
5. Temperatures	9
6. Humidity	13
7. Relation between relative humidity and temperature	14
8. Relation between relative humidity and wind direction	15
9. Comparison of humidities with those at Gan	16
10. Rainfall	16
11. Relation between rainfall and wind direction	18
ACKNOWLEDGEMENT	19
BIBLIOGRAPHY	19

LIST OF ILLUSTRATIONS

FIGURE 1. Monthly mean zonal wind components for the Seychelles, September 1963 to December 1964	5
2. Monthly mean meridional wind components for the Seychelles, September 1963 to December 1964	5
3. Monthly mean zonal wind components for Gan, September 1963 to December 1964	7
4. Monthly mean zonal wind components for Gan, July 1961 to December 1964, and for the Seychelles, September 1963 to December 1964	7
5. Monthly mean zonal wind components at 50 mb for the Seychelles, September 1963 to December 1964, and for Ascension Island, Gan and Canton Island, July 1961 to December 1964	8

LIST OF ILLUSTRATIONS (continued)

		<i>Page</i>
FIGURE 6.	Monthly mean temperatures for the Seychelles, September 1963 to December 1964 	10
7.	Monthly mean tephigrams for the Seychelles, January and June 1964 	11
8.	Monthly mean 100 mb temperatures for Gan, July 1961 to December 1964, and for the Seychelles, September 1963 to December 1964 	12
9.	Monthly mean temperatures at 50 mb for Ascension Island and Gan, January 1961 to December 1964, and for the Seychelles, September 1963 to December 1964 	12
10.	Monthly mean relative humidity per cent at the Seychelles, September 1963 to December 1964 	13
11.	Daily temperature and humidity cross-section for the Seychelles, May 1964 ...	14
12.	Monthly mean relative humidity per cent for Gan, September 1963 to December 1964 	16
13.	Annual rainfall at Victoria, Seychelles, 1942 to 1964 	17

UPPER AIR OBSERVATIONS AT THE SEYCHELLES, 1963-64

SUMMARY

During the International Indian Ocean Expedition the United Kingdom Meteorological Office operated a radiosonde station in the Seychelles Islands. Daily values of height, temperature, humidity and wind at standard pressure levels are presented for the period September 1963 to December 1964. These data are discussed, and compared with similar data from Gan.

INTRODUCTION

During the period 1962-65 meteorologists and geophysicists from many countries co-operated in the International Indian Ocean Expedition (IIOE), which undertook a vast programme of observation research, designed to investigate the meteorology, oceanography and biology of the Indian Ocean.¹

The United Kingdom Meteorological Office contributed to this expedition by setting up and operating a radiosonde station on the island of Mahé in the Seychelles, by kind permission of the Seychelles Government, during the period September 1963 to December 1964.

Mahé is about 16 miles long and 3 miles wide; it is very mountainous, the land rising to 2400 feet in a little over a mile from the coast. Consequently there is virtually no coastal plain and the ground slopes very steeply up to the peaks. Victoria, the capital town of the islands, is situated on the east side of Mahé, whose highest peak is 1½ miles away at bearing 240°. The whole western skyline as viewed from here is mountainous, whereas the eastern skyline is open sea.

The station was established at 4° 37'S 55° 27'E at an elevation of 6 feet above sea level on the eastern end of the Coronation Playing Fields, an area of reclaimed land near the centre of Victoria. This location was largely determined by the suitability of the site for the operation of a wind-finding radar, having regard to the very mountainous nature of the terrain of Mahé and the general direction of the strongest seasonal low-level winds experienced in this area of the Indian Ocean. In all other respects it proved an ideal choice with mains electricity and water readily available and ample space free of trees and other obstructions for the erection of buildings and the provision of a suitable launching ground for radiosonde balloons in all weathers. With the able assistance of the Public Works Department of the Seychelles Government in the erection of the prefabricated buildings and the provision of essential services, the establishment of the station was commenced in July and proceeded smoothly. With the arrival of the rest of the U.K.-based staff, the station was ready for operation towards the end of August.

The Meteorological Office Radiosonde Mk 2b together with its associated manually-operated ground equipment was used throughout for temperature and humidity soundings, and the standard Meteorological Office wind-finding radar, type MOWFR Mk 1, was used for wind soundings. Throughout most of the period 500-gm balloons were used although 1000-gm balloons were used on some occasions after October 1964. In spite of the high humidities and heavy rainfall prevailing for most of the year at Mahé, all equipment functioned remarkably well with a very small proportion of sounding failures.

Soundings were made daily during the hours of darkness at 2330 GMT to eliminate the need for solar radiation corrections, and the results were passed to the International Meteorological Centre in Bombay for use in the construction of daily synoptic charts. This paper presents a complete record of the daily observations, together with monthly mean cross-sections of wind, temperature and humidity, and a description of the main features of interest. In addition, a comparison is made with upper air data from Gan (00° 41'S, 73° 10'E) in order to find out whether any of these features are peculiar to the Seychelles locality.

During the analysis of the data for the Seychelles and Gan it was noticed that large day-to-day variations in temperature were reported at lower stratospheric levels. On further examination it was considered that these were largely instrumental and attributable in the main to errors in the pressure element. From March 1964 at the Seychelles, and from May 1964 at Gan, radar heights were used to compute pressure heights whenever errors in the pressure element were suspected. This change in procedure is believed to have improved the reliability of the data, particularly the lower stratospheric data. The question of reliability apart, the data above 50 mb at the Seychelles proved too sparse for detailed comment.

§ 1 – REPRESENTATIVENESS OF THE DATA

It is worth noting at the outset that from an examination of the rainfall figures it is clear that 1964 was not a normal year; indeed it was the second wettest of the period 1942-64. In addition, the monthly rainfall totals were frequently much above or much below the 54-year normal (Table I). It will also be seen from the various graphs that large variations in other elements occurred between the two periods September to December 1963 and September to December 1964. It would therefore be inadvisable, since this period of observations is very short, to treat these wind patterns as if they were typical of the area, or to use them to verify details of normal patterns in the published atlases.

Table I – Values of monthly rainfall totals from September 1963 to December 1964 compared with average monthly totals

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
	<i>millimetres</i>												
1963									212	184	283	166	
1964	806	192	137	307	226	66	209	93	281	148	97	448	3010
Average (1902-55)	381	274	218	190	164	93	81	64	131	159	217	335	2307

§ 2 – TROPOSPHERIC WINDS

The monthly mean cross-sections of wind (Figures 1 and 2) show several interesting features. The most noticeable pattern is that for the period May to October, namely the period of the south-west monsoon of southern Asia (hereafter called 'the monsoon season'). This period in 1964 was characterized at the Seychelles by south-easterly winds below about 700 mb, with a very high

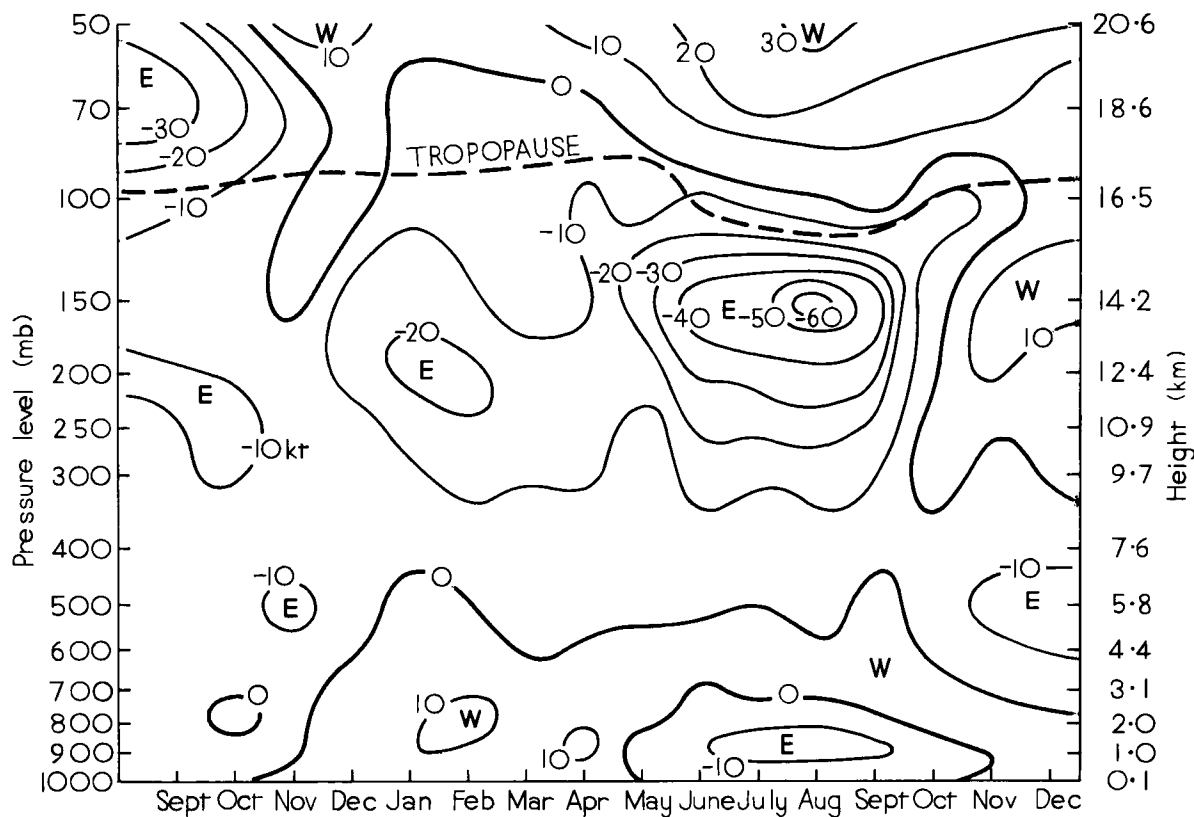


FIGURE 1. MONTHLY MEAN ZONAL WIND COMPONENTS FOR THE SEYCHELLES,
SEPTEMBER 1963 TO DECEMBER 1964

Components from the west are positive

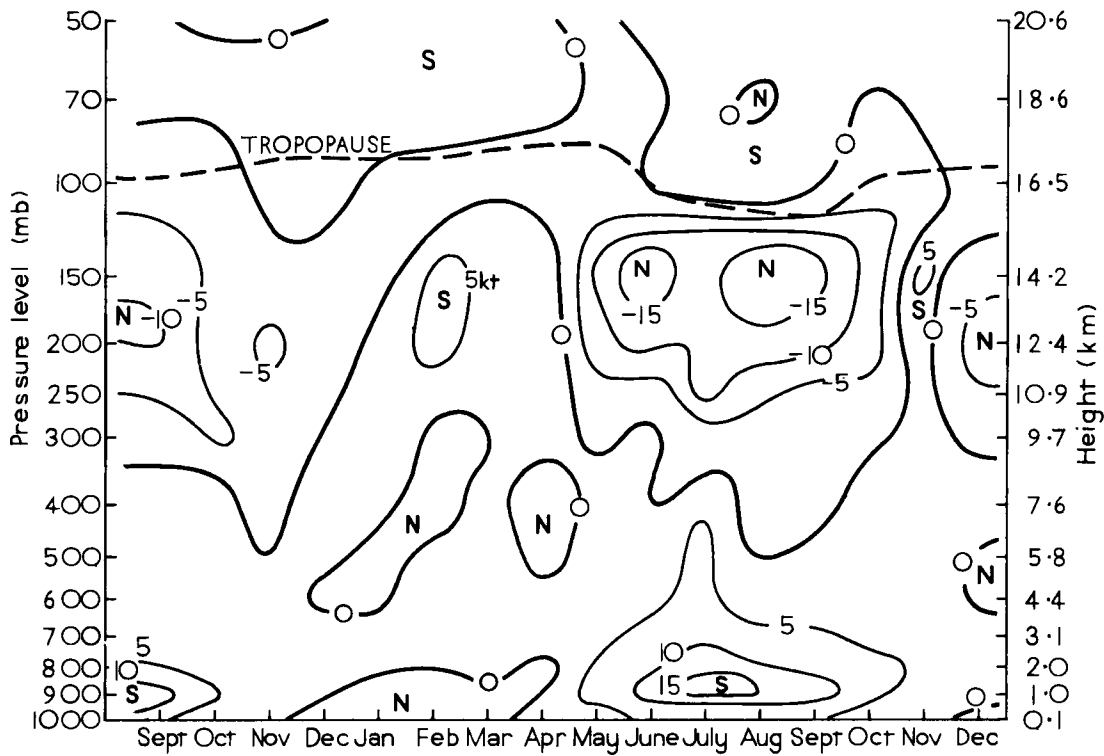


FIGURE 2. MONTHLY MEAN MERIDIONAL WIND COMPONENTS FOR THE SEYCHELLES,
SEPTEMBER 1963 TO DECEMBER 1964

Components from the south are positive

'steadiness'* (more than 90 per cent) from June to September. Between 300 and 100 mb during this period, the north-easterly equatorial jet stream affected the station, producing a mean zonal wind speed of more than 60 kt in August; the height of the maximum wind was at about 150 mb. This régime also showed an extremely high steadiness, greater than 95 per cent from June to September. Between these two régimes the meridional component was small, except in July when southerlies extended up to 400 mb; a shallow mean westerly blew throughout the period around 600 mb, although with a steadiness less than 50 per cent. Comparing the two years, the meridional cross-section shows similar features in September and October 1963. However, the zonal cross-section shows that the easterly component in the upper tropospheric jet appears to have been much weaker in 1963, or perhaps the jet declined earlier; in addition the westerly belt was almost non-existent, being replaced by a minimum of easterly component at 700 mb.

By contrast, during other periods the pattern was much weaker. In the lower troposphere the flow was westerly from December to April; the maximum was in February at 800 mb.

In the upper troposphere the flow was easterly throughout the non-monsoon season of 1963-64, with a maximum in February at 200 mb. The steadiness of these airstreams was lower than that of the monsoon airstreams, being between 50 per cent and 90 per cent. By contrast, in November and December 1964 a strong westerly developed in the upper troposphere. In middle levels the flow was usually light, but from September to November 1963, and in November and December 1964, there were comparatively strong easterlies at 500 mb, with a steadiness near 90 per cent.

A more detailed examination of the daily wind shows that, in general, the wind flow pattern in the troposphere consisted of two régimes, a lower régime, usually westerly or southerly, extending up to between 700 and 400 mb, and an upper régime, extending from 500 or 400 mb up to 150 mb or above, and consisting predominantly of easterlies.

In the lower régime, a westerly type held sway from 22 November 1963 to 15 May 1964. This type consisted of long spells of westerlies reaching maximum speeds of about 30 kt, with occasional northerlies and southerlies, indicating that the Seychelles usually lay between the two equatorial troughs which prevail in the Indian Ocean during the non-monsoon season. From 1 September to 3 November 1963, and again from 2 June to 20 November 1964, there was a southerly type. During these periods, apart from short spells of westerlies above 700 mb and even shorter spells of shallow easterlies near the surface, winds were mainly southerly, being part of the current which feeds the Indian monsoon during June to October. In the transition periods 4 to 20 November 1963, 16 May to 1 June and 20 to 26 November 1964, the easterlies from higher levels extended down to the surface.

In the upper régime the most notable feature, which has already been seen on the monthly cross-sections, was during the period from 27 April to 25 September 1964 when, apart from a break from 20 to 27 May, the wind was almost entirely easterly. At 150 mb a speed of 105 kt was reached on 10 July, and 80 kt was exceeded on several occasions. During the rest of the year there was an assortment of types, including easterlies for about half the time.

An interesting feature on the meridional wind cross-section (Figure 2) is that in nearly every month of the period there is an approximate balance between the northerly and southerly winds; in other words, integrated through the troposphere, the net meridional transport is approximately zero.

Thus the available data, although only extending over a short period, indicate that there are appreciable variations in wind from year to year over the Seychelles. The steadiest features are the north-easterly stream from June to September in the upper troposphere, and the south-easterly stream during the same period in the lowest levels.

*Steadiness is defined as: magnitude of mean vector wind divided by mean wind speed, expressed as a percentage.

§ 3 – COMPARISON OF TROPOSPHERIC WINDS WITH THOSE AT GAN

An examination of the zonal wind component at Gan during the period November 1959 to June 1964 shows that the main features are very similar to those at the Seychelles. (The zonal wind cross-section for September 1963 to December 1964 is reproduced in Figure 3; compare also Figures 4 and 5.) The easterly of the upper régime is again present during the monsoon season.

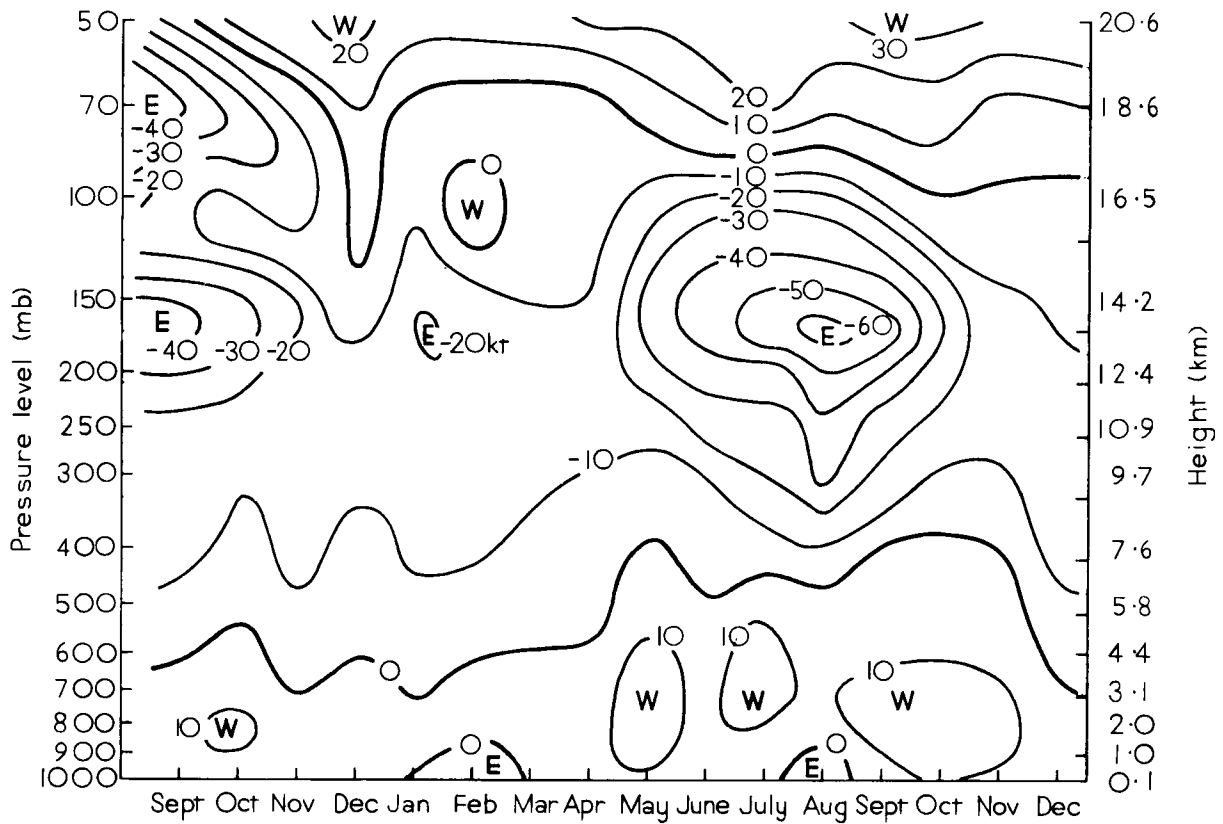


FIGURE 3. MONTHLY MEAN ZONAL WIND COMPONENTS FOR GAN, SEPTEMBER 1963 TO DECEMBER 1964

Components from the west are positive

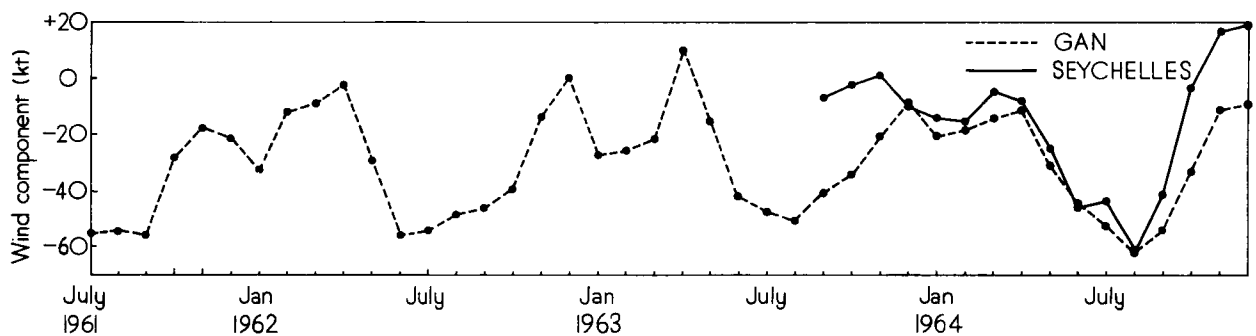


FIGURE 4. MONTHLY MEAN ZONAL WIND COMPONENTS FOR GAN, JULY 1961 TO DECEMBER 1964, AND FOR THE SEYCHELLES, SEPTEMBER 1963 TO DECEMBER 1964

Gan at 13.5 km, Seychelles at 150 mb. Components from the west are positive

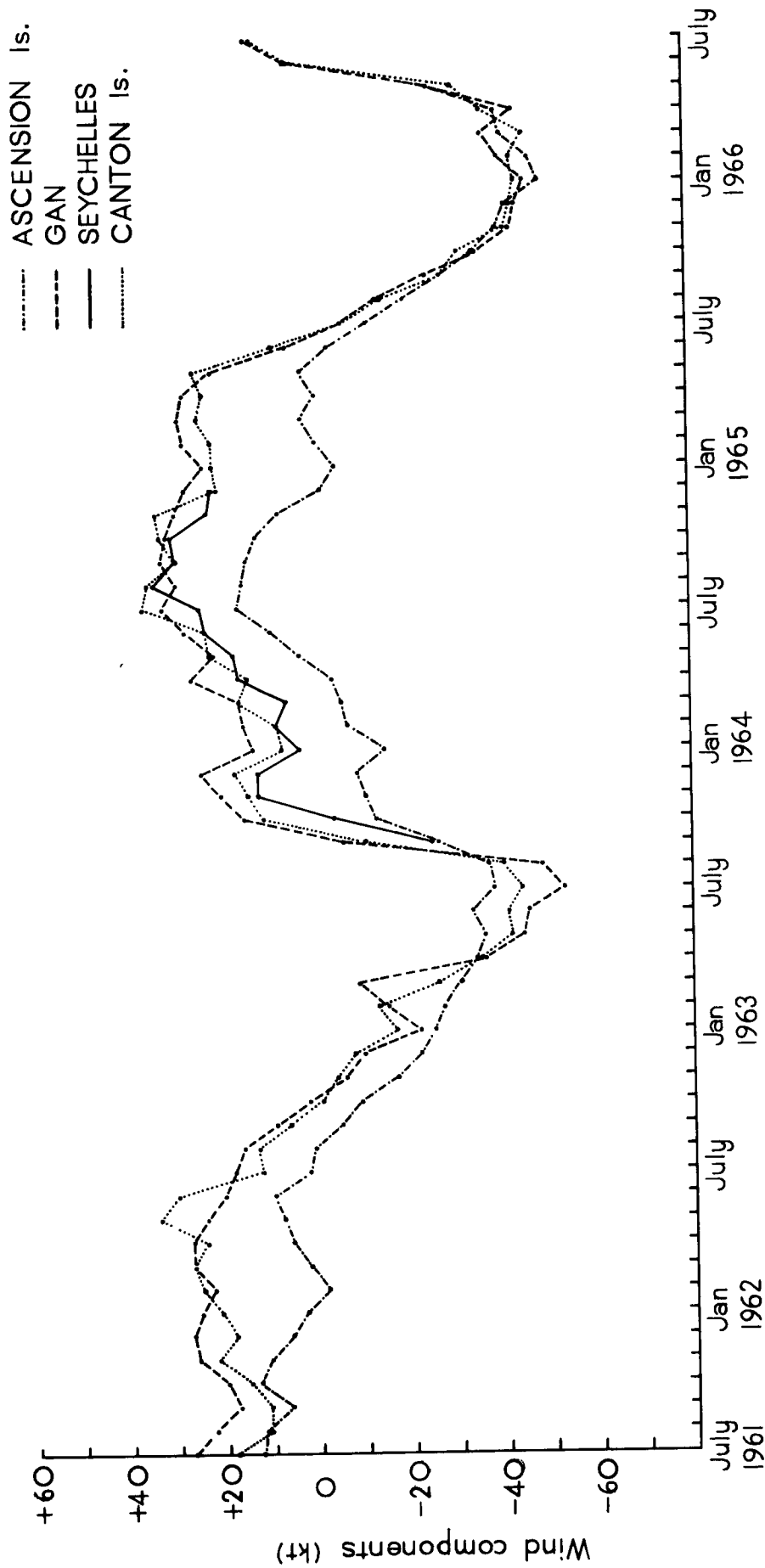


FIGURE 5. MONTHLY MEAN ZONAL WIND COMPONENTS AT 50 MB FOR THE SEYCHELLES, SEPTEMBER 1963 TO DECEMBER 1964, AND FOR ASCENSION ISLAND, GAN AND CANTON ISLAND, JULY 1961 TO DECEMBER 1964

Components from the west are positive

showing a varying strength from year to year but not being clearly associated with the stratospheric winds. The lower régime shows a westerly during the monsoon season, as would be expected from the well-known circulation patterns over the Indian Ocean at this time of the year. An interesting feature at Gan is the easterly current in the upper régime which appears for a month or two around February each year and has a core speed of about 30 kt (Figure 4). Before this current appeared and also after it disappeared, namely in about December and March, there were two short spells which in alternate years (1960-61 and 1962-63) showed substantial westerly currents (more than 10 kt) while in the other years (1959-60, 1961-62 and 1963-64) there were only light westerlies or even easterlies at these times. It seems likely that this biennial variation is associated with the stratospheric biennial cycle, the years with a stronger westerly being those when an easterly régime was present at 50 mb. It is noteworthy that the same features are apparent at the Seychelles, namely an easterly in February 1964 at 200 mb, preceded and followed by periods of lighter easterlies.

§ 4 – STRATOSPHERIC WINDS

It is now a well-known fact that during the last 13 years or so stratospheric winds in tropical regions have displayed a well-marked fluctuation with a periodicity of about 26 months.² During the period for which reliable stratospheric wind data are available the length of the period has varied quite considerably and in the (northern) autumn of 1963 at the 50 mb level at Canton Island (02° 46' S 171° 43' W) a westerly régime was established which persisted until the (northern) summer of 1965. This proved to be the longest-lasting equatorial lower stratospheric westerly period since 1954. Figure 5 shows that at both Canton Island and Gan the westerly régime became established in October 1963; at the Seychelles, a few degrees farther south, the westerlies set in a month later. Bearing in mind the latitudinal differences it can be seen that there was remarkably close agreement in the behaviour of the winds at 50 mb at these three stations and also at Ascension Island (07° 58' S 14° 24' W). Although the so-called 26-month oscillation apparently behaved differently during the IIOE in that the westerly régime persisted it is evident that the stratospheric winds at the Seychelles were in close agreement with those in other tropical areas at that time.

§ 5 – TEMPERATURES

The cross-section of monthly mean temperatures (Figure 6) shows that there is very little annual variation at any level up to 150 mb; the level which shows the greatest variation, 900 mb, has a range of only 3.4 degC.

The variations within a month were also extremely small; the standard deviation of temperature at each level in a given month was about 1.2 degC. This means that the annual variation, though small, is real and not due to sampling variations. However, it may be a variation of a period other than a year since, at all levels of the troposphere, the period September to December 1964 was about one degree colder than September to December 1963.

At 700 mb, the period February to June 1964 was significantly warmer than usual. At 300 mb the periods September to November 1963 and January to May 1964 were also significantly warmer than usual.

The correlation coefficient between the monthly mean temperatures at 700 mb and 300 mb was 0.73.

The monthly mean temperatures are in general agreement with those in 'The Climate of Africa'³ as far as can be deduced.

Mean tephigrams have been drawn for January and June 1964 (Figure 7). These show lapse rates close to saturated adiabatic throughout. The layer 800 to 600 mb was unstable with respect to the saturated adiabatic, while in June there was a comparatively stable layer between 900 and

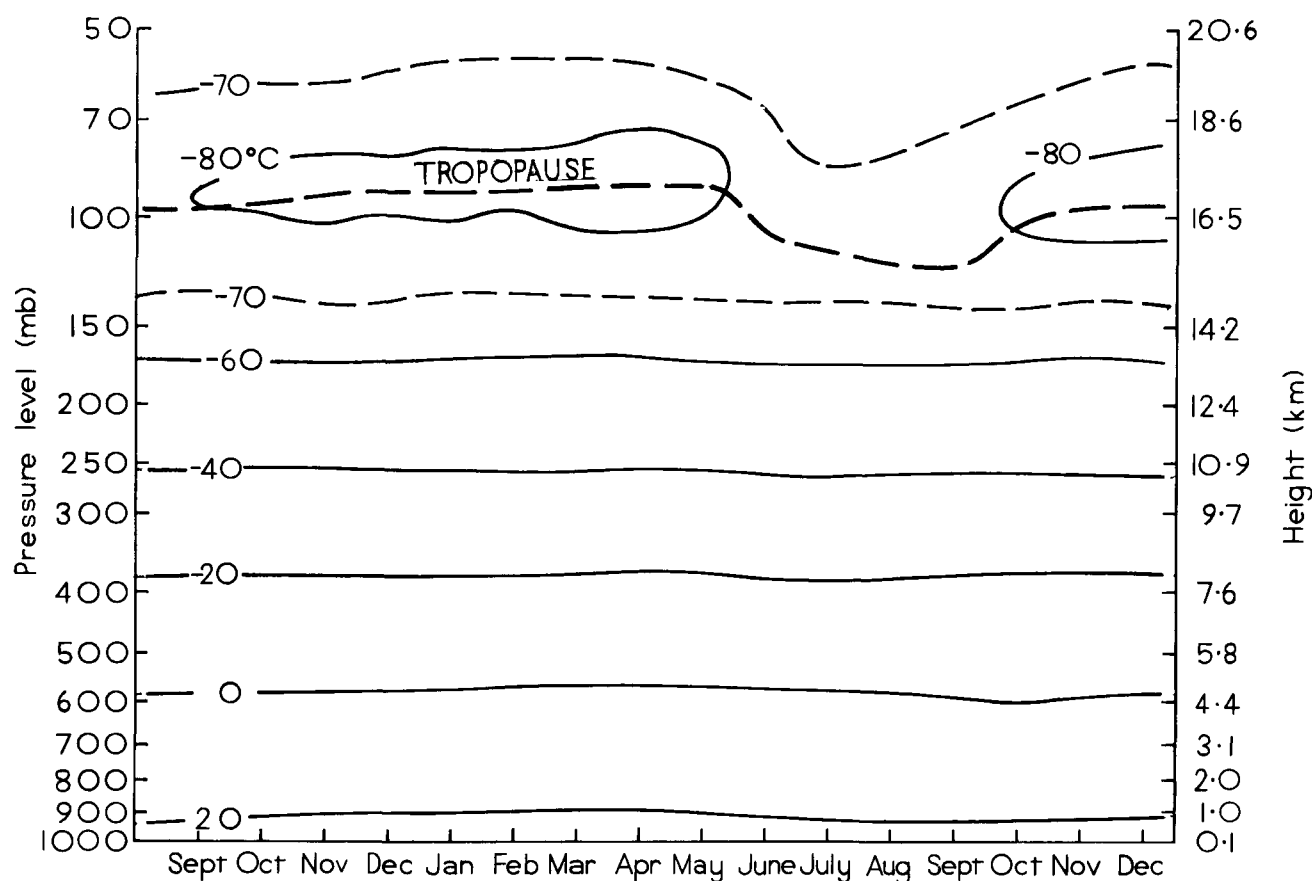


FIGURE 6. MONTHLY MEAN TEMPERATURES FOR THE SEYCHELLES,
SEPTEMBER 1963 TO DECEMBER 1964

800 mb. The stable layer was associated with a decrease in relative humidity with height; this decrease was more marked in June when the stable layer was more marked.

In the lower stratosphere, variations were much more marked than those in the troposphere; the range of monthly mean temperatures reached 12 degC at 70 mb and 7 degC at 50 mb. The maximum values occurred during the period June to September and were associated with a marked lowering of the tropopause.*

An examination of monthly mean temperatures at Gan during the period November 1959 to June 1964 shows characteristics extremely similar to those of the Seychelles temperatures. The ranges of temperature were again extremely small, and were even smaller than those at the Seychelles in the levels 900 to 400 mb, in spite of the longer period of the record, and a little greater at the surface and at levels above 400 mb. Periods of several months with consistently high or consistently low temperatures are apparent and, during the period of comparison, these closely matched the changes in the Seychelles temperatures; thus the period September 1963 to May 1964 was warm at 300 mb, and February to June 1964 was warm at 700 mb.

The pattern near the tropopause was almost identical to that at the Seychelles during the period of comparison, September 1963 to June 1964 (Figure 8). A very similar pattern of temperature changes, and no doubt also of changes in tropopause height, was repeated at Gan in every year. Thus the main feature observed on the Seychelles cross-section (Figure 6) namely a marked

*Where more than one tropopause was indicated for an ascent, the lower one was used in calculating the monthly mean position, after this had been found to give the most consistent results.

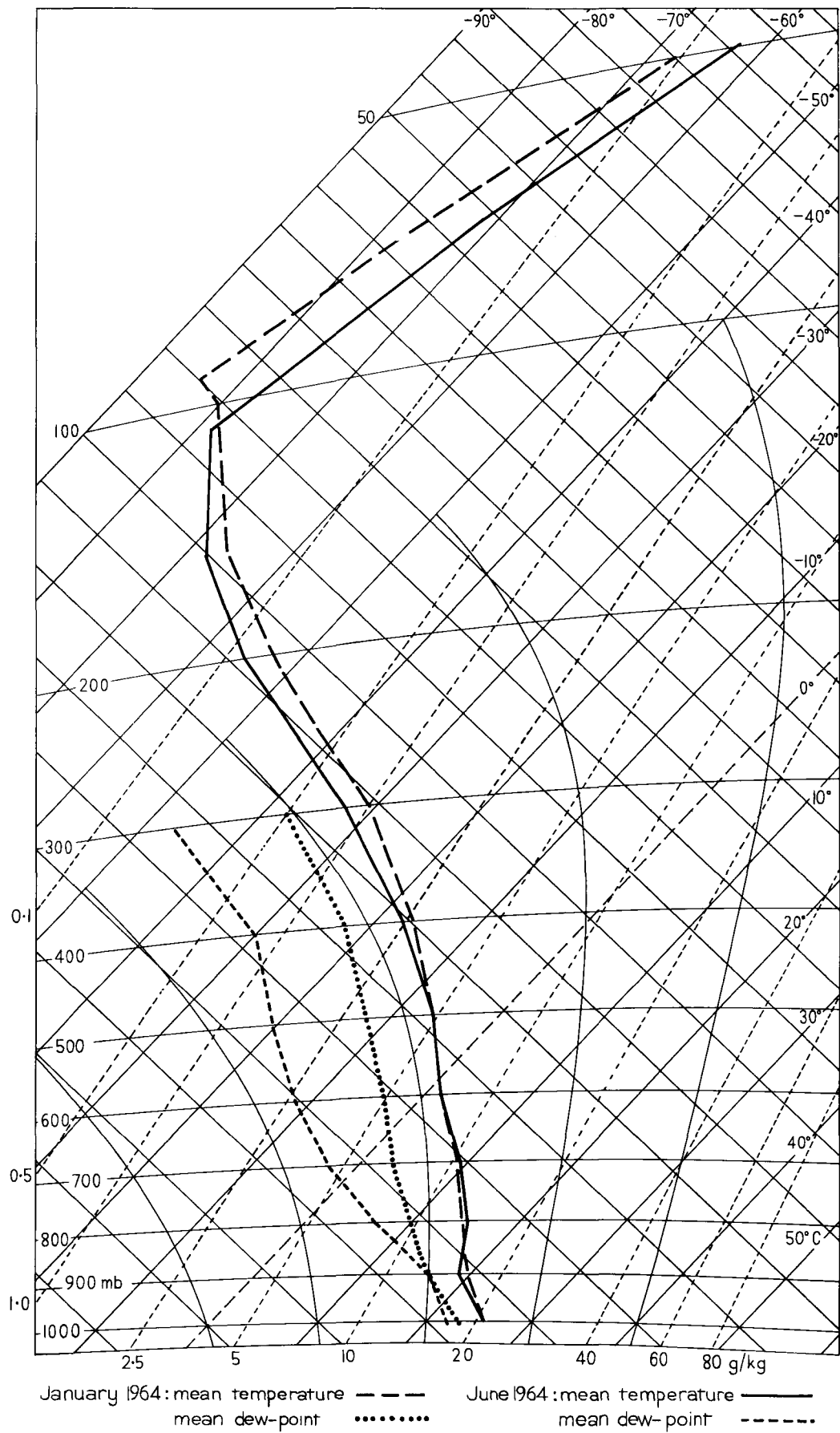


FIGURE 7. MONTHLY MEAN TEPHIGRAMS FOR THE SEYCHELLES, JANUARY AND JUNE 1964

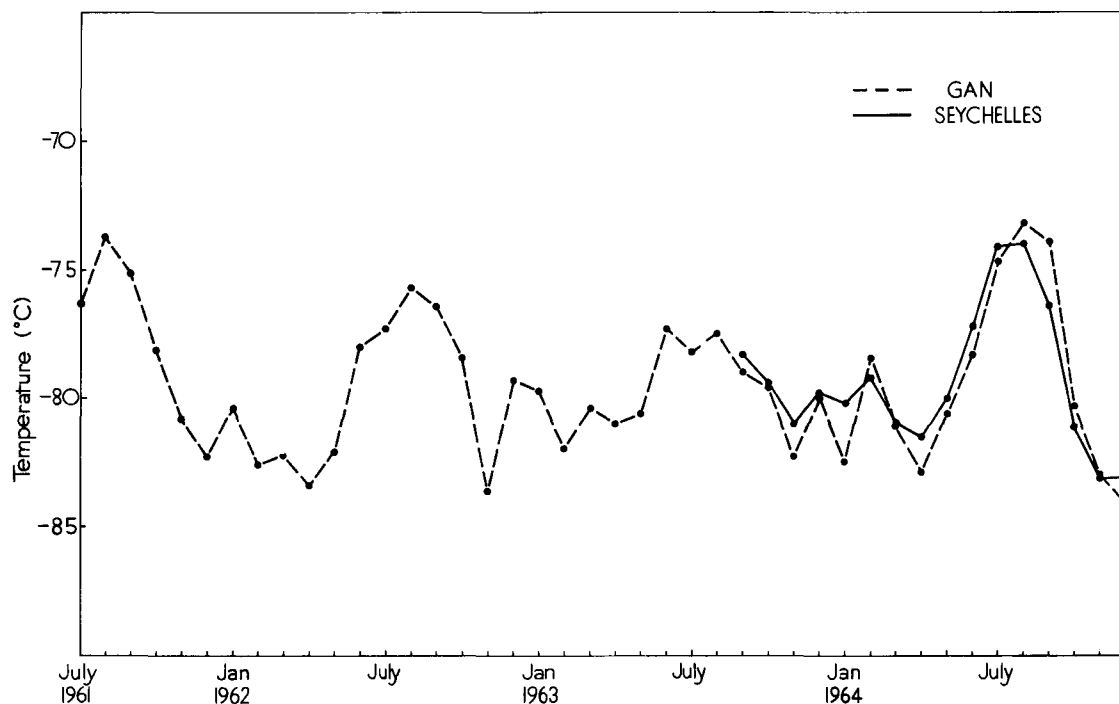


FIGURE 8. MONTHLY MEAN 100 MB TEMPERATURES FOR GAN, JULY 1961 TO DECEMBER 1964, AND FOR THE SEYCHELLES, SEPTEMBER 1963 TO DECEMBER 1964

warming near 100 mb and a lowering of the tropopause during the period June to September, is clearly an annual event related primarily to the tropospheric circulation.

The monthly mean 50 mb temperatures for Gan and Ascension Island from January 1961 (Figure 9) show that during the period for which data are available from the Seychelles the lower stratospheric temperatures behaved in a similar way at all three stations. A feature of the Gan curve is the apparently marked fluctuations from month to month — especially the sharp decrease in the monthly means from March to May in 1963.

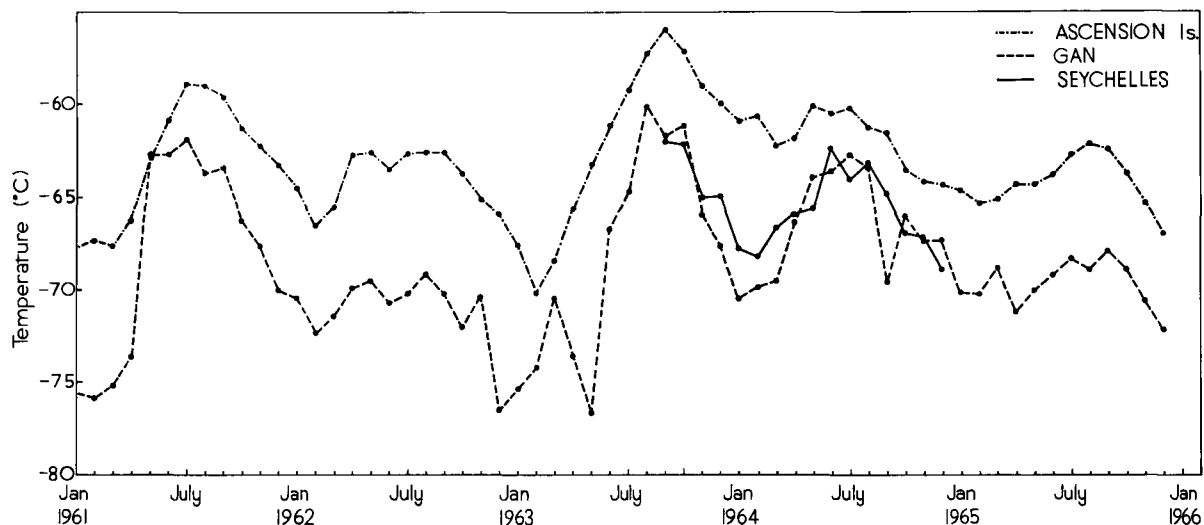


FIGURE 9. MONTHLY MEAN TEMPERATURES AT 50 MB FOR ASCENSION ISLAND AND GAN, JANUARY 1961 TO DECEMBER 1964, AND FOR THE SEYCHELLES, SEPTEMBER 1963 TO DECEMBER 1964

At all the tropical stations for which long period stratospheric temperature records are available the data confirm the existence of a fluctuation comparable with that observed in the winds. At Ascension Island it is noticeable that during the time of the prolonged stratospheric westerly régime in the tropics the 50 mb temperatures were markedly higher than during the earlier years and it has been suggested⁴ that this increase may have been due to the presence of volcanic dust particles following the eruption of Mt Agung, Bali (8°S 115°E) on 17 March 1963. The Seychelles record is too short to provide any useful information in this connexion but the Gan temperatures confirm the suggestion which was based only on Ascension Island data. For instance, the highest 50 mb monthly mean temperature recorded was in August 1963 and the following minimum in January 1964 was one of the highest recorded. As with the Ascension Island data, the 100 mb monthly mean temperature in June 1963 was the lowest annual monthly mean maximum on record. This is consistent with the suggestion that the 100 mb level, being in the high troposphere, was below the level of the dust veil.

§ 6 - HUMIDITY

The cross-section of monthly mean relative humidities (Figure 10) shows that there were large variations from month to month. Variations were most marked at 500 mb, the driest month being

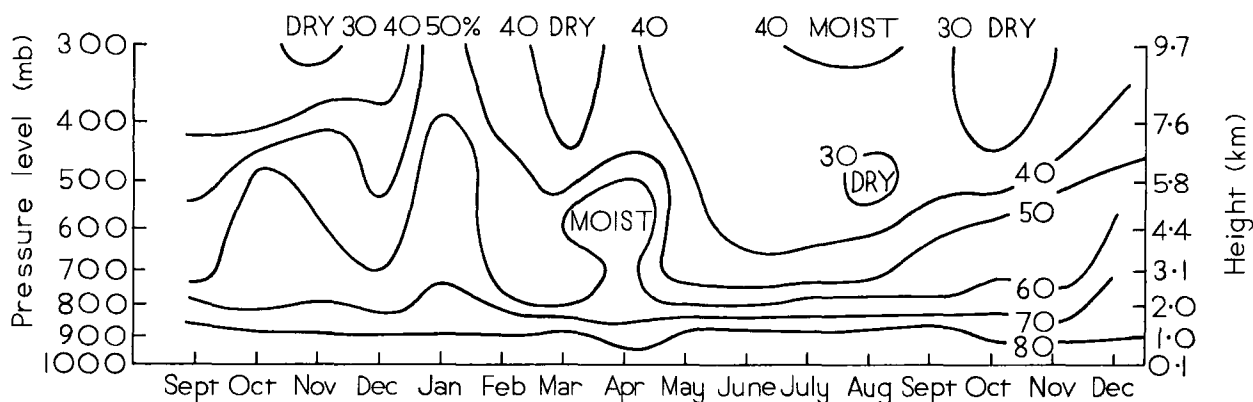


FIGURE 10. MONTHLY MEAN RELATIVE HUMIDITY PER CENT AT THE SEYCHELLES, SEPTEMBER 1963 TO DECEMBER 1964

August 1964 with 25 per cent, and the wettest being October 1963 with 62 per cent relative humidity. In general, variations between 400 and 800 mb were in phase with those at 500 mb. Below 800 mb variations were comparatively small, and not always in phase with those at higher levels. There was often a relatively dry layer near 700 mb. A relatively moist layer appeared at 300 mb from June to August 1964, during the driest period at 500 mb.

Again the most homogeneous period was May to September 1964, due to the consistent character of the monsoon currents.

The most notably humid months were October 1963, January, April and December 1964. The periods September to December in the two years were more notable for their differences than for their similarities.

The day-to-day changes in relative humidity are illustrated by Figure 11, which depicts the relative humidity and temperature cross-section for May 1964.

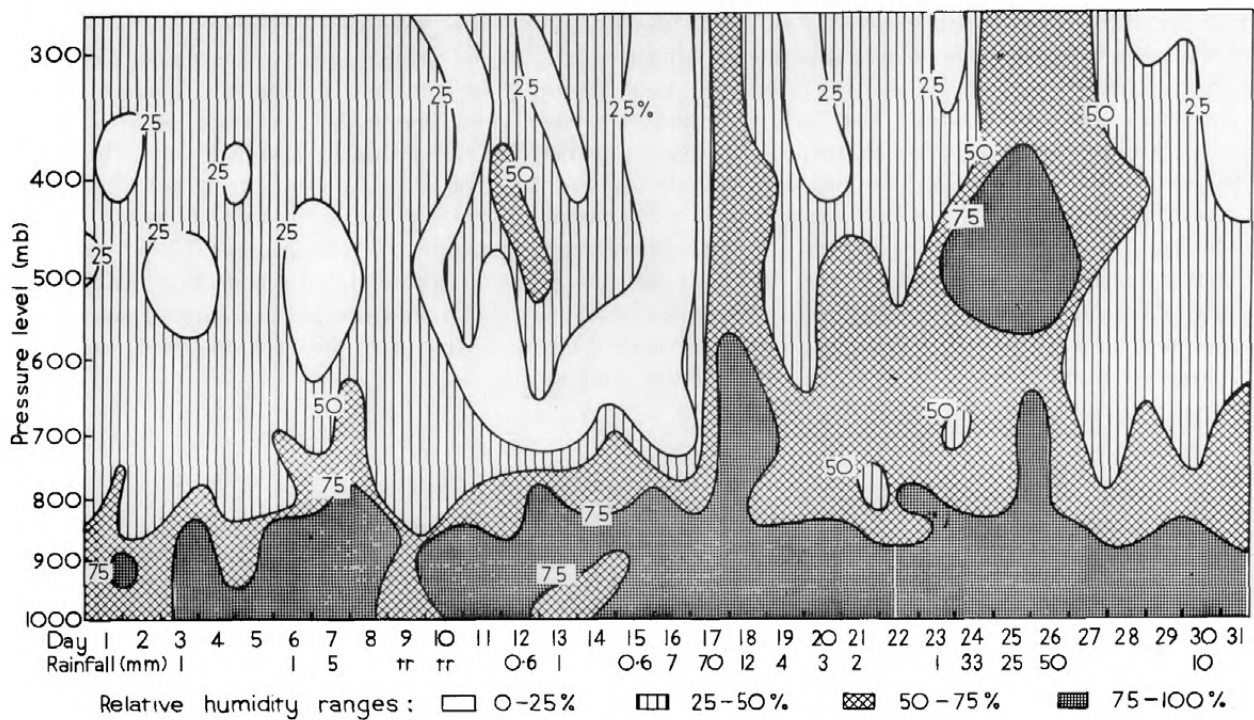


FIGURE 11. DAILY TEMPERATURE AND HUMIDITY CROSS-SECTION
FOR THE SEYCHELLES, MAY 1964

§ 7 – RELATION BETWEEN RELATIVE HUMIDITY AND TEMPERATURE

At 900 mb (Table II) there was a very close relationship between the two elements, with low temperatures being associated with high relative humidities. However, at 300 mb (table not reproduced) no significant association was found.

Table II – Contingency table of relative humidity and temperature at 900 mb
from September 1963 to December 1964

Temperature	Relative humidity per cent			Total
	80-100	70-79	≤69	
°C	<i>number of occasions</i>			
16-17	49	11	-	60
18	76	21	1	98
19	113	44	13	170
20-21	68	58	24	150
22-23	-	2	9	11
Total	306	136	47	489

Thus it appears that variations in the two elements are independent of each other at higher levels of the troposphere. At lower levels, on the other hand, the negative association between relative humidity and temperature suggests that the differences occurring in the values of these elements from day to day are due to variations within an air mass rather than between air masses. The days with low temperatures and high humidities occurred predominantly during the periods with 'southerly type' (see page 6) and those with high temperatures and low humidities during the 'westerly type'.

The most likely reasons for these relationships are as follows. The air affecting the Seychelles has nearly constant air mass properties; if it arrives from an easterly point, these properties are observed unchanged at Victoria. However, if it arrives from a westerly point, the track across land allows diurnal variations to affect its properties; and if moisture is deposited on the mountains, the resulting Föhn effect will produce higher temperatures and lower relative humidities on the leeward side at Victoria.

§ 8 – RELATION BETWEEN RELATIVE HUMIDITY AND WIND DIRECTION

In Tables III and IV are shown contingency tables relating these elements.

Table III – Contingency table of relative humidity and wind direction at 700 mb from September 1963 to December 1964

Wind direction	Relative humidity per cent					Total
	≤ 29	30-49	50-59	60-69	70-100	
<i>degrees</i>	<i>number of occasions</i>					
281-180	14	50	38	55	95	252
181-280	35	68	45	32	38	218
Total	49	118	83	87	133	470

Table IV – Contingency table of 700 mb relative humidity and 200 mb wind direction from September 1963 to December 1964

Wind direction	Relative humidity per cent					Total
	≤ 29	30-49	50-59	60-69	70-100	
<i>degrees</i>	<i>number of occasions</i>					
048-077	22	41	30	20	30	143
078-131	12	34	27	25	39	137
132-311	8	21	12	19	41	101
312-047	8	21	14	23	23	89
Total	50	117	83	87	133	470

At 700 mb (Table III), low humidities are associated with west winds or winds from the south-west quadrant (second row of table); half the occasions when these winds occurred showed humidities below 50 per cent. For winds from other directions (first row), half the occasions gave humidities above 65 per cent. This association may be accounted for entirely by the terrain of the island, which could produce humidities lower on the leeward side of the mountains than on the windward side, owing to the release of moisture as precipitation over the mountains. Since Victoria is to leeward of the mountains when the wind is blowing from a westerly direction, this would explain the prevalence of low humidities during periods with these winds.

The association between 700 mb relative humidity and 200 mb wind (Table IV), when tested by the chi-square test, showed a 2.5 per cent level of significance. In general, the lowest 700 mb humidities tended to occur with 200 mb winds between 048 and 077 degrees, and the highest with winds between 132 and 311 degrees. This association is probably due to the fact that, during the monsoon season when the 700 mb humidity was comparatively low, there was a predominance of upper tropospheric winds from between north and east. This does not necessarily imply a casual connexion, although it may be that the upper régime induces a particular lower régime to conform to it and, as has just been shown, the 700 mb humidity is closely associated with the lower régime.

§ 9 – COMPARISON OF HUMIDITIES WITH THOSE AT GAN

The humidity cross-section for Gan (Figure 12) is remarkably similar to that for the Seychelles. The lowest layer, up to 850 mb, again shows comparatively constant humidity from month to month, but about 5 to 10 per cent lower than at the Seychelles. From 800 mb upwards, January

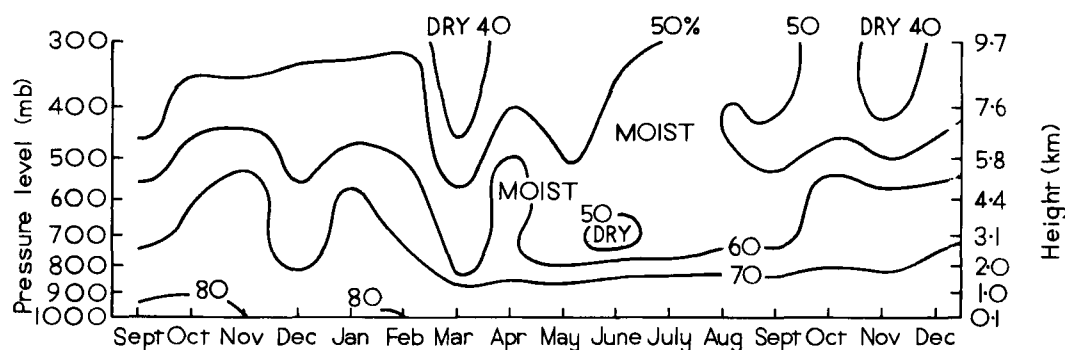


FIGURE 12. MONTHLY MEAN RELATIVE HUMIDITY PER CENT FOR GAN, SEPTEMBER 1963 TO DECEMBER 1964

and April were notably moister than March, as at the Seychelles; however, February was nearly as moist as January, whereas it was much drier at the Seychelles. May to September were again the driest months in the layers 800 to 600 mb, but they had a relative humidity about 10 to 15 per cent higher than at the Seychelles. At both stations, the months June to September were comparatively moist at 300 mb, Gan having a relative humidity about 10 per cent higher than the Seychelles.

§ 10 – RAINFALL

As has already been noted, 1964 was a wet year; the rainfall was 30 per cent above the 54-year normal. The graph of rainfall totals since 1942 (Figure 13) shows spells of several years with rainfall below normal, and other spells with rainfall above normal; 1960-64 was one of the latter. It is interesting to note that, if the shorter-period oscillations are filtered out, the result indicates a steady rise in rainfall during the period. This agrees with the similar rise which has been observed over the same period in East Africa, and which is associated with the unparalleled rise in the level of Lake Victoria.⁵

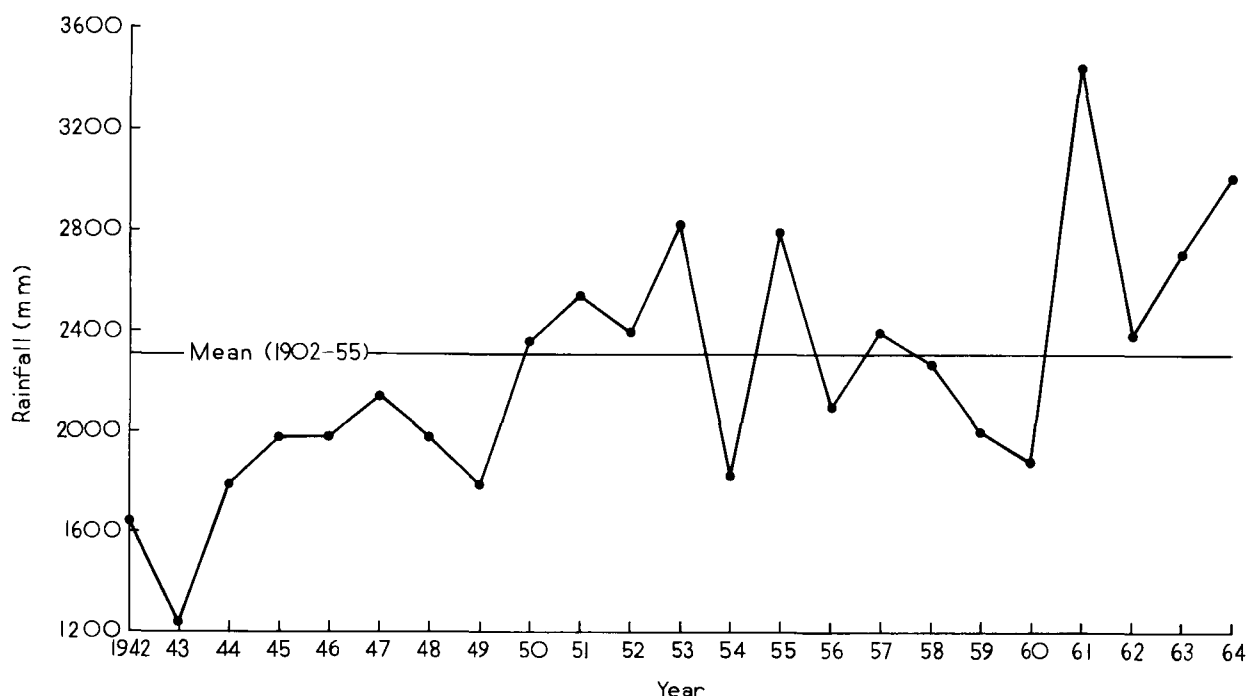


FIGURE 13. ANNUAL RAINFALL AT VICTORIA, SEYCHELLES, 1942 TO 1964

The monthly rainfall figures during 1963-64 show very large fluctuations, often with a period of two or three months. The most notable wetter than normal months were September and November, 1963, and January, April, July, September and December, 1964. In general, the wettest months also showed the highest humidities in the middle troposphere. The agreement was least good during the monsoon season, when the middle troposphere was less humid than might be expected but, on the other hand, during that time the layer below 900 mb was more humid than during the non-monsoon seasons.

Tables V and VI show that rainfall is, as expected, closely related to the depth of the moist layer. If we consider the highest level for which the relative humidity was 60 per cent or more, ignoring any lower levels where it may have fallen below 60 per cent, we obtain the frequency distribution in Table V. In general, the layer reached at least up to 500 mb when heavy falls occurred, and up to 800 mb when lighter falls occurred.

Table V — Number of occasions when the highest layer with a relative humidity greater than or equal to 60 per cent occurred at given levels

Daily rainfall	Level (millibars)									
	> 900	900	850	800	700	600	500	400	300	< 300
<i>mm</i>	<i>number of occasions</i>									
0.0 or tr	-	16	45	40	11	33	19	7	9	-
0.1-14	-	3	7	25	15	16	23	20	13	1
≥15	-	-	-	-	4	6	12	15	21	2

A rather closer relationship is apparent with the depth of the very moist layer (Table VI). When this layer extended to 700 mb or above, rain nearly always fell. When it only reached to

Table VI – Number of occasions when the highest layer with a relative humidity greater than or equal to 75 per cent occurred at given levels

Daily rainfall	Level (millibars)									
	> 900	900	850	800	700	600	500	400	300	< 300
<i>mm</i>	<i>number of occasions</i>									
0.0 or tr	32	55	42	27	6	8	7	1	-	-
0.1-14	6	16	33	23	17	12	14	3	1	-
≥15	1	-	4	10	10	16	10	9	-	-

850 mb, a heavy fall was rare. It would be possible to use these tables to produce rules for forecasting the intensity of rainfall on a given day, based on the distribution of humidity through the troposphere on that day.

§ 11 – RELATION BETWEEN RAINFALL AND WIND DIRECTION

Rainfall was closely associated with the wind direction at 700 mb; as with humidity, this could be due entirely to orographic effects (Tables VII and VIII). When the 700 mb wind was between east by south and south, at which times the station was on the windward side of the mountains, rain fell on 62 per cent of occasions; for winds between south and west by north, the value was only 42 per cent; and for other winds, 50 per cent. Of the days with rain, heavy falls (>10 mm) were much more frequent with winds between west by north and south-east (through north) than with other directions.

Table VII – Contingency table of rainfall and 700 mb wind directions (1964)

Wind direction	Rainfall			Total
	0.0 or trace	0.1-9 mm	≥10 mm	
<i>degrees</i>	<i>number of occasions</i>			
281-100	40	14	27	81
101-180	34	34	22	90
181-280	105	51	25	181
Total	179	99	74	352

Table VIII – Contingency table of rainfall and 200 mb wind directions (1964)

Wind direction	Rainfall			Total
	0.0 or trace	0.1-9 mm	≥10 mm	
<i>degrees</i>	<i>number of occasions</i>			
048-077	58	42	20	120
078-131	56	26	22	104
132-311	35	20	17	72
312-047	29	11	15	55
Total	178	99	74	351

However, there was no significant association between rainfall and 200 mb wind direction. This is perhaps surprising, because of the tendency for the period May to September to have less rainfall and also to have consistent north-easterly winds.

ACKNOWLEDGEMENT

The Authors are indebted to the Meteorological Office, Seychelles, for providing daily rainfall data at Mahé for 1964.

BIBLIOGRAPHY

1. Poona, India Meteorological Department. Symposium on meteorological results of the International Indian Ocean Expedition. Bombay, 1965.
2. VERYARD, R.G. and EBDON, R.A.; Fluctuations in tropical stratospheric winds. *Met. Mag.*, London, 90, 1961, p.125.
3. THOMPSON, B.W.; The climate of Africa. London, Oxford University Press, 1965.
4. EBDON, R.A.; Possible effect of volcanic dust on stratospheric temperatures and winds. *Weather, London*, 22, 1967, p.245.
5. LAMB, H.H.; Climate in the 1960's. *Geogr Jnl*, 132, 1966, p.183.

TABLE IX — HEIGHT, TEMPERATURE, HUMIDITY AND WIND AT PRESSURE LEVELS
AT SEYCHELLES

September 1963

Day	Surface				900 mb				850 mb				800 mb			
	1000 mb height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots
01	0096	125	86	15 011	1009	117	90	15 020	1495	116	84	15 016	2011	114	69	17 004
02	0092	125	88	15 008	1003	118	85	17 022	1493	117	63	18 017	2009	115	57	18 016
03	0098	125	81	16 006	1008	117	88	15 022	1497	117	73	15 023	2014	116	67	16 015
04	0081	125	82	18 010	0994	118	89	15 028	1483	117	84	13 024	1999	114	83	11 021
05	0085	125	79	16 007	1004	119	84	13 020	1494	118	70	10 018	2013	115	68	09 012
06	0096	125	86	14 013	1013	118	82	16 019	1503	116	75	15 018	2018	115	68	14 015
07	0102	125	85	15 013	1020	118	89	12 024	1509	116	92	12 020	2024	114	91	10 011
08	0094	125	79	15 012	1006	117	91	15 023	1493	115	90	14 021	2026	114	64	09 016
09	0098	125	80	17 008	1015	118	87	14 018	1504	115	89	15 015	2021	116	54	19 005
10	0101	125	81	13 010	1014	118	65	13 025	1502	116	77	15 020	2018	115	79	17 020
11	0105	125	73	13 015	1016	116	78	14 023	1501	114	83	14 023	2017	117	32	14 017
12	0112	125	81	13 008	1023	117	80	13 023	1509	114	57	13 014	2024	115	50	14 009
13	0109	125	80	17 005	1022	116	83	13 007	1509	115	71	04 004	2020	111	83	01 005
14	0090	124	83	14 007	1002	117	79	14 005	1488	115	82	15 005	1999	112	79	19 003
15	0086	125	76	16 009	1000	118	83	22 006	1488	115	87	23 006	2000	111	89	24 007
16	0102	124	91	— 000	1015	117	88	15 021	1502	116	91	15 019	2016	113	87	15 015
17	0100	125	91	— 000	1017	118	88	14 018	1507	117	88	14 018	2023	115	90	14 014
18	0077	124	95	28 003	0997	119	89	01 006	1488	117	88	01 006	2004	115	86	34 004
19	0101	126	80	12 010	1018	118	84	08 025	1508	117	55	07 017	2025	115	73	08 007
20	0103	126	83	13 009	1019	118	79	11 015	1509	117	76	12 006	2024	112	86	15 005
21	0107	126	86	13 010	1024	119	78	12 021	1514	117	76	11 021	2029	115	70	06 006
22	0099	126	84	13 010	1018	118	93	11 021	1508	117	68	10 014	2026	116	57	08 005
23	0098	126	86	14 010	1017	119	89	10 017	1507	117	83	11 014	2023	115	74	11 008
24	0108	125	89	— 000	1029	119	84	09 012	1519	117	72	08 013	2036	115	69	09 014
25	0110	125	91	14 008	1029	119	80	11 016	1519	116	76	11 014	2035	115	74	12 014
26	0100	126	78	15 008	1019	118	89	13 018	1507	115	85	13 015	2022	115	57	13 011
27	0102	125	78	15 008	1019	117	84	14 010	1508	116	66	15 004	2024	114	69	19 003
28	0103	124	95	— 000	1020	119	85	11 006	1510	117	77	14 002	2026	114	74	17 006
29	0119	125	88	15 007	1031	119	68	11 028	1523	119	61	11 019	2042	115	66	14 006
30	0105	124	91	— 000	1023	119	86	14 009	1512	115	91	15 008	2025	112	78	12 006

TABLE IX -- continued
September 1963

Day	700 mb				600 mb				500 mb				400 mb			
	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots
01	3133	110	56	22 005	4392	101	69	10 011	5836	093	64	12 022	7541	083	73	07 018
02	3130	109	62	19 016	4383	100	83	18 016	5822	092	70	19 003	7536	082	55	35 007
03	3131	108	76	19 007	4388	101	84	21 011	5835	093	83	02 009	7543	082	47	33 020
04	3116	108	69	15 010	4375	101	80	14 005	5821	094	17	34 008	7534	083	18	22 015
05	3134	109	78	08 014	4397	103	64	11 010	5849	094	32	— 000	7539	083	62	09 026
06	3136	108	79	09 012	4393	102	55	10 015	5842	093	19	07 034	7549	083	18	06 032
07	3141	108	80	12 012	4398	100	85	11 021	5841	092	83	12 024	7543	082	69	10 020
08	3124	109	58	09 010	4387	102	45	12 012	5834	093	58	12 014	7546	083	38	14 020
09	3140	109	36	02 002	4403	103	17	09 013	5857	095	24	13 021	7575	084	29	12 029
10	3137	110	38	30 007	4396	101	49	33 010	5848	095	21	09 012	7567	084	27	12 010
11	3138	109	23	26 011	4397	102	28	28 015	5842	093	25	35 007	7554	085	22	— 000
12	3146	110	15	24 015	4405	101	34	26 017	5850	093	30	29 005	7563	083	20	20 008
13	3130	109	34	26 018	4393	102	07	21 005	5845	097	03	11 013	7573	086	02	13 011
14	3112	110	19	30 014	4379	104	08	33 006	5841	096	38	07 016	7561	085	11	13 010
15	3110	111	33	34 010	4375	103	34	03 008	5833	094	56	06 016	7545	084	26	11 004
16	3128	106	68	35 008	4378	102	45	33 003	5826	093	61	03 010	7534	084	61	06 011
17	3143	109	58	14 014	4409	103	64	16 018	5861	094	67	23 002	7574	084	23	32 008
18	3130	111	61	19 002	4400	103	68	15 023	5854	095	67	21 010	7572	083	70	20 011
19	3142	108	77	05 006	4400	100	80	03 010	5846	093	67	07 010	7559	084	31	11 011
20	3138	108	56	35 007	4394	101	48	07 011	5843	094	43	35 004	7553	083	27	09 009
21	3151	109	48	03 005	4410	101	43	10 007	5849	093	45	10 008	7559	083	14	18 006
22	3148	110	42	11 006	4406	101	68	11 013	5849	092	38	11 011	7560	084	48	17 003
23	3141	108	71	12 012	4399	101	74	09 013	5844	094	54	10 014	7552	082	31	11 002
24	3154	109	64	11 017	4412	101	66	07 013	5854	092	76	10 011	7556	081	63	13 008
25	3152	109	55	11 012	4411	101	67	09 007	5854	094	44	11 011	7559	081	44	04 006
26	3142	112	41	17 003	4403	100	71	11 011	5847	093	33	10 013	7566	083	52	09 004
27	3142	110	19	15 009	4402	101	54	09 014	5855	095	53	09 012	7572	083	51	13 007
28	3141	108	39	06 006	4399	101	64	03 010	5843	093	67	07 011	7555	084	25	20 008
29	3157	107	78	11 007	4407	100	61	05 007	5850	093	17	08 019	7558	082	41	06 020
30	3141	108	62	01 003	4397	100	59	10 012	5840	094	63	12 018	7550	083	47	10 017

TABLE IX - HEIGHT, TEMPERATURE, HUMIDITY AND WIND AT PRESSURE LEVELS
AT SEYCHELLES (continued)
September 1963

Day	300 mb					250 mb					200 mb					150 mb				
	Height	Temp. (+ 100)	Rel. hum.	Dir.	Wind Speed	Height	Temp. (+ 100)	Dir.	Wind Speed	Height	Temp. (+ 100)	Dir.	Wind Speed	Height	Temp. (+ 100)	Dir.	Wind Speed			
	deca- metres	°C	per cent	tens degs	knots	deca- metres	°C	tens degs	knots	deca- metres	°C	tens degs	knots	deca- metres	°C	tens degs	knots			
01	0964	068	69	07	031	1090	057	07	041	1237	047	07	067	1418	036	05	017			
02	0963	067	56	02	014	1088	057	07	025	1235	045	08	048	1414	036	34	019			
03	0964	068	61	12	006	1090	057	08	024	1236	043	08	035	1416	037	27	018			
04	0962	067	32	08	014	1089	059	07	048	1238	051	17	005	1420	036	23	024			
05	0966	070	45	08	028	1093	060	07	029	1243	052	15	003	1426	037	23	017			
06	0964	068	12	08	025	1090	058	08	028	1237	046	05	037	1416	033	02	017			
07	0963	067	61	08	025	1088	056	05	028	1233	044	03	027	1411	030	32	020			
08	0964	068	49	10	016	1090	058	07	015	1237	048	08	013	1416	033	05	002			
09	0968	069	31	08	008	1095	059	05	024	1243	047	02	019	1424	039	29	022			
10	0966	068	30	03	010	1093	059	35	019	1240	047	34	023	1420	033	31	012			
11	0967	071	17	34	020	1095	061	35	017	1244	047	36	015	1425	036	33	020			
12	0966	069	18	29	025	1093	059	28	012	1241	047	04	011	1420	035	06	036			
13	0969	071	01	29	023	1097	061	27	026	1247	051	36	008	1429	037	08	032			
14	0968	070	10	23	024	1095	060	24	015	1244	049	23	007	1425	036	06	030			
15	0965	068	18	23	008	1091	057	21	013	1237	044	06	014	1413	028	07	032			
16	0965	069	45	08	016	1092	062	10	016	1240	046	06	026	1418	029	07	036			
17	0968	069	34	02	012	1095	059	04	023	1243	048	05	030	1422	032	05	043			
18	0967	068	62	17	017	1093	058	12	033	1240	045	11	040	1417	031	10	031			
19	0965	067	54	06	009	1091	055	17	007	1236	044	05	015	1412	028	07	024			
20	0965	066	20	06	014	1090	056	05	006	1236	043	08	022	1413	031	08	030			
21	0965	067	12	07	003	1090	055	08	013	1235	043	07	031	1412	032	08	020			
22	0967	069	31	03	006	1094	060	35	011	1242	047	03	022	1423	036	11	011			
23	0965	070	13	36	008	1093	059	33	010	1239	044	02	018	1418	035	33	009			
24	0964	068	28	34	008	1090	058	31	015	1238	048	31	025	1418	033	30	011			
25	0965	067	31	31	010	1090	057	29	019	1237	045	27	021	1415	030	28	010			
26	0967	069	35	31	010	1093	057	28	019	1240	047	30	029	1419	033	35	023			
27	0967	069	51	32	013	1094	057	30	018	1241	045	30	016	1419	032	34	028			
28	0966	068	31	15	016	1092	058	13	016	1239	045	08	002	1417	031	32	010			
29	0965	067	33	07	022	1091	057	07	025	1237	045	06	023			05	032			
30	0964	067	25	09	010	1090	057	09	014	1236	043	04	024	1414	036	05	021			

September 1963

TABLE IX — continued

Day	100 mb			70 mb			50 mb			30 mb			Tropopause		Remarks
	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Pressure mb	Temp. (+ 100) °C	
01	1658	023	20 014	1866	027	11 025							100	023	Tropopause not defined.
02	1655	024	03 005	1861	031	09 049							097	020	
03	1655	021	14 007	1866	028	07 024							086	020	
04	1660	024	05 006	1869	020	09 044							091	019	
05	1667	023	05 011	1859	029	09 044							090	020	
06	1653	021													
07	1642	014	18 004	1841	023	09 028							098	013	Pressure doubtful above 300 mb
08	1651	016	11 007	1868	026	10 023	2068	037	09 048				100	016	
09	1663	020	02 017	1863	027	09 021	2069	035	09 046				094	018	
10	1657	022	36 016	1869	028	03 026							101	021	
11	1663	021	03 030	1864	030	09 034							094	019	
12	1657	021	09 038										103	020	
13	1671	028	09 040	1875	018	09 044	2072	029					116	026	Pressure doubtful above 70 mb
14	1666	025	10 024	1872	022	10 044	2068	037	09 019				090	023	
15	1646	018	09 027	1850	027	09 057							102	018	
16	1652	024	05 025	1863	028	10 048	2065	036	07 021				134	024	
17	1659	023	10 020	1862	028	11 037							091	019	
18	1653	023	08 038										105	019	
19	1645	022	06 028	1849	021	09 015							103	018	Tropopause not defined
20	1649	022	15 003	1857	032	08 040							097	021	
21	1649	021	21 014										084	017	
22	1664	024	23 012	1866	022	09 054	2070	044					084	016	
23	1656	020	05 013	1856	019	09 045	2055	043					089	016	
24	1655	020	09 014	1856	027								095	019	
25	1650	021	05 017	1855	029	10 043	2061	041					102	021	Pressure doubtful above 100 mb Pressure doubtful above 250 mb Pressure doubtful above 200 mb
26	1656	023	03 012	1861	028	10 040	2065	040	25 012				086	018	
27	1656	023	11 009	1861	028	09 042							089	020	
28	1655	022	10 013	1861	038								094	021	
29		09 016													
30	1652	021	10 011	1855	024	09 037							112	021	

TABLE IX - HEIGHT, TEMPERATURE, HUMIDITY AND WIND AT PRESSURE LEVELS
AT SEYCHELLES (continued)

October 1963

	300 mb					250 mb					200 mb					150 mb				
Day	Height	Temp. (+ 100)	Rel. hum.	Dir.	Wind Speed	Height	Temp. (+ 100)	Dir.	Wind Speed	Height	Temp. (+ 100)	Dir.	Wind Speed	Height	Temp. (+ 100)	Dir.	Wind Speed			
	deca- metres	°C	per cent	tens degs	knots	deca- metres	°C	tens degs	knots	deca- metres	°C	tens degs	knots	deca- metres	°C	tens degs	knots			
01	0963	067	46	07	006	1088	055	05	018	1234	046	08	024	1411	033	12	011			
02	0964	069	57	15	023	1091	060	15	024	1242	—	15	017	1422	033	11	023			
03	0966	069	34	08	015	1093	060	06	028	1242	047	06	037	1422	035	36	009			
04	0964	068	42	08	016	1091	058	07	018	1238	048	07	010	1418	033	16	002			
05	0965	069	43	03	008	1092	058	04	014	1239	046	35	006	1418	032	06	005			
06	0967	069	36	09	004	1095	060	06	021	1243	048	03	005	1424	035	01	020			
07	0962	067	52	10	014	1088	056	08	019	1233	043	07	020	1409	028	33	003			
08	0965	069	30	11	021	1092	059	09	019	1240	047	09	024	1420	037	09	028			
09	0967	068	37	08	019	1094	059	09	025	1241	046	07	029	1420	034	07	035			
10	0965	069	51	16	007	1092	059	12	011	1240	048	12	020	—	—	09	020			
11	0966	069	48	—	000	1093	059	12	023	1241	047	11	025	1421	034	07	015			
12	0965	070	29	07	016	1093	059	15	019	1241	047	14	020	1419	032	09	023			
13	0969	069	22	04	015	1095	060	08	016	1244	048	07	019	1424	035	23	013			
14	0965	069	25	08	007	1092	059	11	018	1240	049	11	015	1421	038	26	008			
15	0965	067	40	08	013	1092	059	11	014	1240	046	28	001	1419	033	28	014			
16	0967	067	34	09	021	1093	059	11	009	1240	046	21	005	1418	031	27	009			
17	0965	068	31	07	021	1092	059	09	012	1239	046	09	014	1417	032	13	012			
18	0965	068	35	07	032	1092	059	08	025	1239	047	11	029	1419	032	12	016			
19	0968	068	20	05	011	1094	057	05	019	1240	044	11	026	—	—	07	009			
20	0969	069	13	08	020	1095	059	08	011	1243	048	07	023	1423	035	03	012			
21	0966	068	23	06	024	1092	057	06	024	1238	046	01	009	1417	032	36	009			
22	0965	068	23	03	020	1091	058	36	018	1238	047	32	020	1418	034	27	010			
23	0967	067	27	02	026	1093	057	36	026	1239	046	35	015	1417	031	34	021			
24	0967	068	31	01	015	1093	059	02	023	1241	046	35	025	1421	037	30	022			
25	0964	068	10	05	020	1090	057	05	024	1236	046	04	020	1414	030	36	015			
26	0970	072	22	03	024	1099	063	04	021	1249	051	33	016	1432	038	32	014			
27	0965	067	57	11	015	1091	057	11	020	1237	045	03	011	1414	029	34	008			
28																				
29	0970	070	32	34	010	1097	060	36	009	1246	049	36	018	1428	035	36	011			
30	0965	068	20	31	015	1091	058	33	010	1239	047	02	008	1418	032	33	022			
31	0966	069	05	36	019	1093	059	01	017	1240	046	30	028	1419	032	29	034			

TABLE IX — continued
October 1963

Day	100 mb			70 mb			50 mb			30 mb			Tropopause		Remarks
	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Pressure mb	Temp. (+ 100) °C	
01															Tropopause not defined
02													112	021	
03	1660	024	21 003	1862	021	11 036							—	—	
04	1657	023	06 008	1857	022	09 040	2058	039					084	018	
05	1652	021	08 017	1853	021	10 053	2058	045					107	019	
06	1662	021	08 022	1865	022	12 024							094	020	
07															Tropopause not defined
08	1659	024	07 023	1862	019	11 011							134	022	
09	1659	024	09 012	1862	019	09 013							109	022	
10	—	—	05 004										068	018	Tropopause not defined
11	1659	022	31 003	1864	022	34 009	2059	032	09 031				—	—	
12	1656	020	24 012										092	019	Tropopause not defined
													098	019	
13	1662	020	28 010	1863	022	10 034	2063	041	13 033				091	017	Pressure doubtful above 200 mb
14	1660	021	25 005	1859	015	02 004	2051	034	11 032				083	015	
15	1655	020	30 011	1858	031	09 028	2066	042	31 001				103	020	
16	1652	019	12 006	1854	026	09 042	2060	041	29 006				090	017	
17	1653	019	16 005	1856	025	08 046	2059	034					098	019	
18	1656	021	— 000	1859	026	10 039	2060	033	06 006				089	018	
19															Pressure doubtful above 200 mb
20	—	—	06 008	—	—	11 033	—	—	01 016				—	—	
21	1664	025	08 012	1867	020								080	019	
22	1650	019	08 016	1859	037								111	017	
23	1654	019	03 022	1857	025	10 035	2060	041					094	018	Pressure doubtful above 200 mb
24	1649	018	06 028	1854	033	10 016							110	017	
	1661	019	09 029	1860	019	09 032	2061	039					085	016	
25	1648	018	03 022	1848	019								097	017	Pressure doubtful above 250 mb
26	1676	027											—	—	
27	1644	015	06 027	1845	032	05 016							104	014	Pressure doubtful above 250 mb
28															
29	1666	020	03 010	1866	018	36 014	2061	032					079	015	
30	1654	018	27 010	1852	017	13 008	2049	040	35 012				093	017	
31	1653	018	09 006	1851	021	08 027	2055	038	26 023				090	014	

TABLE IX - HEIGHT, TEMPERATURE, HUMIDITY AND WIND AT PRESSURE LEVELS
AT SEYCHELLES

November 1963

Day	Surface					900 mb					850 mb					800 mb				
	1000 mb height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. tens degs	Wind Speed knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. tens degs	Wind Speed knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. tens degs	Wind Speed knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. tens degs	Wind Speed knots
01	0094	125	88	—	000	1016	120	73	24	005	1506	117	71	25	007	2022	114	77	23	006
02	0098	124	87	29	003	1014	119	77	24	001	1504	117	63	24	006	2019	115	39	24	006
03	0093	124	91	—	000	1014	119	67	—	—	1505	117	57	—	—	2021	114	60	—	—
04	0094	124	82	—	000	1014	119	80	12	007	1504	117	67	11	009	2020	115	53	12	013
05	0096	125	87	27	004	1018	119	88	01	004	1509	117	70	01	008	2026	116	72	03	010
06	0089	124	91	26	004	1012	120	75	06	003	1502	116	78	09	003	2017	114	76	07	003
07	0086	124	88	29	004	1009	119	89	13	002	1499	116	90	12	004	2014	114	87	10	011
08	0082	124	92	—	000	1006	120	73	11	010	1497	118	72	10	012	2014	115	71	11	015
09	0085	124	94	26	005	1006	119	91	09	009	1496	117	88	09	010	2012	115	83	08	011
10	0084	126	84	18	006	1007	119	86	14	012	1496	116	67	13	011	2010	113	70	13	013
11	0089	125	94	28	003	1011	119	82	08	006	1502	117	70	07	007	2019	115	69	07	007
12	0086	127	84	14	007	1004	119	83	10	015	1495	117	76	09	014	2012	115	63	09	005
13	0082	125	92	—	000	1005	120	85	06	004	1496	117	84	05	004	2012	114	85	10	004
14	0080	124	96	—	000	1004	120	81	08	004	1494	117	78	11	005	2010	114	55	11	009
15	0086	125	88	19	008	1009	120	83	11	012	1500	117	87	11	012	2015	114	80	10	011
16	0076	125	92	—	000	0998	120	78	10	007	1490	117	78	10	006	2006	115	77	08	005
17	0069	125	89	27	004	0990	119	83	02	005	1480	116	76	04	005	1994	113	76	07	004
18	0088	124	96	—	000	1006	119	91	26	002	1497	117	68	26	002	2013	115	67	14	005
19	0081	124	92	—	000	1004	120	81	21	001	1495	117	80	19	002	2011	115	70	13	004
20	0075	124	93	29	001	0997	119	87	23	012	1488	118	88	23	012	2005	116	70	22	011
21	0060	125	97	25	002	0984	120	81	17	014	1477	118	76	18	013	1995	115	76	17	011
22	0069	125	94	29	004	0992	121	79	28	016	1485	118	76	30	015	2002	115	85	31	016
23	0070	124	95	—	000	0992	120	85	15	010	1486	119	67	16	004	2004	115	66	15	008
24	0078	125	93	27	005	1002	120	84	17	012	1493	117	84	18	010	2009	114	83	22	007
25	0078	125	96	29	008	0999	119	81	23	015	1489	116	87	21	020	2004	114	78	21	022
26	0082	127	74	25	004	1000	120	64	25	023	1490	116	61	23	025	2005	114	56	25	026
27	0091	124	91	—	000	1010	119	87	22	006	1500	119	37	23	013	2019	115	55	24	019
28	0092	124	91	29	002	1011	118	87	13	011	1501	117	79	12	014	2016	114	80	11	013
29	0091	125	93	—	000	1014	121	78	11	009	1506	117	84	11	007	2022	114	89	12	010
30	0088	124	91	25	002	1014	120	73	16	007	1505	117	71	13	007	2021	114	73	12	006

TABLE IX - continued
November 1963

Day	700 mb					600 mb					500 mb					400 mb				
	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Dir. tens deg	Wind Speed knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Dir. tens deg	Wind Speed knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Dir. tens deg	Wind Speed knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Dir. tens deg	Wind Speed knots
01	3139	109	64	17	005	4396	101	77	22	008	5842	093	77	12	004	7550	083	56	03	010
02	3140	108	70	20	006	4397	101	55	16	013	5843	093	62	11	008	7556	083	72	08	010
03	3140	108	65	—	—	4396	101	74	—	—	5841	092	80	—	—	7544	081	45	—	—
04	3138	110	24	08	014	4398	101	12	07	010	5821	087	61	09	016	7483	076	34	29	002
05	3151	110	52	08	012	4415	102	71	11	019	5860	093	49	09	021	7568	085	24	21	005
06	3133	108	57	10	008	4391	101	44	09	021	5840	094	29	08	021	7561	085	23	01	003
07	3130	109	33	10	024	4392	103	35	09	016	5835	092	72	10	016	7537	083	32	11	007
08	3133	108	84	11	019	4390	101	60	08	016	5837	093	55	07	015	7551	084	08	01	007
09	3133	109	90	06	010	4400	103	70	06	011	5855	095	82	06	010	7577	084	64	05	008
10	3124	107	75	11	009	4376	100	68	08	012	5815	092	64	07	011	7520	084	23	02	008
11	3139	109	60	08	015	4400	102	59	09	014	5850	094	54	07	009	7564	083	50	01	007
12	3130	108	56	09	009	4391	103	18	09	012	5839	094	48	09	009	7554	083	48	12	008
13	3134	109	82	08	010	4403	103	73	10	014	5856	094	77	10	014	7575	084	64	09	008
14	3124	108	78	08	011	4388	102	76	07	016	5836	094	52	09	017	7554	084	53	11	015
15	3135	108	78	09	011	4392	101	75	08	011	5838	093	70	09	013	7551	083	59	10	006
16	3126	109	69	09	006	4385	102	63	11	010	5832	094	64	11	011	7544	083	52	09	016
17	3107	109	30	09	005	4365	101	60	09	015	5813	093	63	08	014	7517	082	44	08	013
18	3135	110	69	15	009	4399	101	80	11	014	5844	093	84	07	016	7555	083	75	06	009
19	3133	110	58	11	010	4396	102	57	10	021	5847	094	32	10	023	7559	084	35	09	017
20	3128	109	64	20	007	4388	102	58	16	001	5835	094	46	09	018	7546	083	26	08	019
21	3117	110	55	18	017	4381	102	67	17	008	5831	094	38	08	005	7550	084	36	28	019
22	3123	109	61	33	010	4386	102	72	33	003	5832	094	73	35	005	7547	084	63	17	005
23	3127	109	67	19	006	4388	101	48	27	008	5834	093	50	28	010	7547	083	55	32	011
24	3130	109	81	19	004	4397	103	72	23	005	5853	095	57	23	013	7573	084	68	24	013
25	3123	109	71	20	007	4384	100	74	12	015	5832	094	68	09	019	7541	083	66	09	025
26	3120	108	62	29	022	4374	101	69	05	012	5819	093	73	02	016	7532	082	69	03	008
27	3138	109	65	26	004	4404	103	58	29	008	5856	094	65	08	012	7562	081	70	14	006
28	3133	110	46	12	012	4399	103	50	18	014	5843	093	27	13	024	7553	083	44	12	013
29	3139	108	71	12	015	4399	102	47	11	017	5842	094	37	11	026	7558	084	77	11	025
30	3138	108	69	12	008	4394	101	51	09	009	5840	093	68	09	014	7552	084	46	05	017

TABLE IX - HEIGHT, TEMPERATURE, HUMIDITY AND WIND AT PRESSURE LEVELS
AT SEYCHELLES (continued)

November 1963

Day	300 mb					250 mb					200 mb					150 mb				
	Height	Temp.	Rel. hum.	Wind	Speed	Height	Temp.	Dir.	Wind	Speed	Height	Temp.	Dir.	Wind	Speed	Height	Temp.	Dir.	Wind	Speed
	deca- metres	°C	per cent	tens degs		deca- metres	°C	tens degs	tens degs		deca- metres	°C	tens degs	tens degs		deca- metres	°C	tens degs	tens degs	
01	0965	068	43	01	007	1092	059	32	024	024	1239	046	28	023	023	1418	033	28	031	031
02	0966	070	25	30	021	1093	059	30	024	030	1241	047	30	030	030	1420	033	29	030	030
03	0964	069	09	—	—	1090	059	—	—	—	1238	046	—	—	—	1417	033	—	—	—
04	0954	065	28	27	023	1079	057	25	044	039	1226	045	28	039	039	1403	031	29	039	039
05	0967	068	19	24	022	1092	056	25	019	023	1237	043	29	023	023	1414	030	28	036	036
06	0967	069	22	30	008	1094	059	26	014	022	1242	048	28	022	022	1423	034	28	034	034
07	0963	068	60	25	012	1089	057	26	019	027	1236	047	29	027	027	1415	031	29	032	032
08	0966	070	16	33	007	1093	059	31	008	014	1241	046	30	014	014	1420	033	27	023	023
09	0969	071	58	08	010	1097	060	01	006	004	1246	049	22	004	004	1427	035	27	019	019
10	0962	068	32	36	007	1088	058	01	012	013	1235	046	35	013	013	1415	032	29	017	017
11	0967	069	28	35	013	1093	059	33	013	017	1241	046	35	017	017	1419	030	31	013	013
12	0966	069	23	03	019	1092	058	04	023	014	1239	046	04	014	014	1416	030	28	019	019
13	0969	070	43	06	016	1096	061	04	023	004	1246	050	24	004	004	1428	035	27	022	022
14	0966	069	41	07	025	1093	060	05	024	005	1243	049	26	005	005	1423	033	27	014	014
15	0965	068	47	08	013	1092	059	05	019	018	1239	046	08	018	018	1418	032	24	004	004
16	0964	069	28	05	017	1091	058	07	026	021	1238	047	03	021	021	1417	031	30	004	004
17	0960	065	35	05	017	1084	054	05	021	008	1228	041	32	008	008	1402	026	25	009	009
18	0966	068	65	08	010	1092	058	05	013	009	1240	048	03	009	009	1421	034	03	016	016
19	0966	069	30	06	012	1092	058	07	016	009	1240	046	35	009	009	1418	032	29	012	012
20	0964	068	26	06	012	1091	058	10	002	004	1238	045	04	009	009	1416	032	30	004	004
21	0965	068	18	33	005	1092	059	02	015	034	1239	046	35	034	034	1418	032	33	033	033
22	0967	070	60	08	009	1094	060	11	018	036	1243	049	12	034	034	1423	033	21	036	036
23	0965	068	62	01	008	1091	058	07	014	016	1238	045	06	016	016	1416	030	08	040	040
24	0969	070	58	18	007	1096	059	18	009	032	1244	048	10	032	032	1425	034	08	043	043
25	0964	068	42	09	030	1090	058	09	035	028	1237	045	09	037	037	1414	029	09	041	041
26	0963	069	37	08	031	1090	059	08	026	026	1238	047	08	026	026	1417	032	09	037	037
27	0965	066	61	07	025	1090	056	08	018	028	1236	044	08	028	028	1414	031	09	043	043
28	0965	067	32	10	024	1091	058	10	025	036	1238	046	10	036	036	1416	031	08	055	055
29	0965	068	46	11	022	1092	057	11	033	033	1239	046	09	033	033	1418	032	09	043	043
30	0965	068	56	08	025	1091	059	09	020	028	1239	047	08	028	028	1419	034	08	041	041

November 1963

TABLE IX — continued

Day	100 mb			70 mb			50 mb			30 mb			Tropopause		Remarks
	Height deca- metres	Temp. (+ 100) °C	Wind tens deg's knots	Height deca- metres	Temp. (+ 100) °C	Wind tens deg's knots	Height deca- metres	Temp. (+ 100) °C	Wind tens deg's knots	Height deca- metres	Temp. (+ 100) °C	Wind tens deg's knots	Pressure mb	Temp. (+ 100) °C	
01	1654	020	01 015	1852	017	07 019	2053	034	28 020	2368	041		083	015	Pressure doubtful above 200 mb
02	1656	018	19 010	1856	021	06 007	2055	033	34 024				102	018	
03	1654	020	— — —	1854	017	— — —	2053	035					071	014	
04	1635	017	— — —	1840	033	— — —	2043	035					107	016	
05	— — —	— — —	17 008	— — —	— — —	12 016	— — —	— — —	06 002			26 011	— — —	— — —	Pressure doubtful above 200 mb
06	1658	019	22 014												
07	1650	018	23 022	1846	018	10 024	2049	038		2376	043	27 028	084	012	Pressure doubtful above 100 mb Tropopause not defined
08	1656	018	25 021	1856	019	08 029	2054	037	01 003				092	015	
09	1664	019								2347	038		083	009	
10	1646	015	26 023	1839	014	12 016	2035	029	27 028				086	015	
11	1652	018	29 013	1849	031	03 009	2054	037	28 019			28 010	091	011	Pressure doubtful above 100 mb Pressure doubtful above 150 mb Pressure doubtful above 200 mb
12	1647	014	34 009												
13	1665	017	22 007	1864	030	23 007	2066	034	27 030	2368	038	24 010	087	013	
14	1660	021	07 011	1858	019	25 016	2056	031	21 014	2354	037		079	012	
15	1655	020	01 008	1853	015	09 003	2046	027	22 009				071	013	Tropopause not defined Pressure doubtful above 200 mb Pressure doubtful above 250 mb
16	1651	019	21 006	1853	024	27 005	2057	039	26 031				089	014	
17	1631	014	06 004	1837	031	13 007	2044	040	24 027				098	013	
18	1658	019	23 010	1863	030	— — —	2066	036					097	018	
19	1651	017	13 005	1855	027	05 013	2057	037	25 019	2378	044	28 022	099	017	Tropopause not defined
20	1651	020											— — —	— — —	
21													— — —	— — —	
22	1659	021	— — —	1862	024		2041	030	12 004	2351	040		089	017	
23	1649	019	11 020	1848	020	25 019							084	014	Tropopause not defined
24	1664	023											— — —	— — —	
25													119	020	
26	1647	022	10 010										091	017	
27	1653	023	35 015										099	019	Tropopause not defined
28	1648	019	15 010	1851	030	09 021	2058	039	27 017	2378	048	33 010	097	018	
29	1651	019	11 023	1854	034	05 006	2062	040	06 006	2387	044	13 009	093	018	
30	1655	021	10 016	1859	030	14 005	2064	037	30 003	2377	043	34 001	085	018	
	1656	023	12 010	1859	032	30 010	2060	032	32 011						

TABLE IX - HEIGHT, TEMPERATURE, HUMIDITY AND WIND AT PRESSURE LEVELS
AT SEYCHELLES

December 1963

Day	Surface				900 mb				850 mb				800 mb							
	1000 mb height metres	Temp. (+ 100) °C	Rel. hum.	Wind Dir. Speed tens degs knots	Height metres	Temp. (+ 100) °C	Rel. hum.	Wind Dir. Speed tens degs knots	Height metres	Temp. (+ 100) °C	Rel. hum.	Wind Dir. Speed tens degs knots	Height metres	Temp. (+ 100) °C	Rel. hum.	Wind Dir. Speed tens degs knots				
01	0088	124	93	—	000	1010	120	83	31	005	1501	118	78	31	003	2017	114	80	36	002
02	0072	124	91	—	000	0994	120	85	24	009	1485	117	72	26	009	2001	115	63	26	008
03	0073	124	95	—	000	0996	120	79	22	007	1487	117	81	23	007	2003	114	79	22	007
04	0081	124	91	24	005	1004	121	68	23	005	1498	118	64	24	006	2014	114	68	24	008
05	0088	124	92	—	000	1008	119	78	23	008	1499	118	58	25	013	2017	115	53	27	020
06	0087	123	90	28	002	1006	120	55	26	014	1500	119	39	27	021	2019	116	28	29	023
07	0085	123	93	25	002	1007	122	56	28	018	1502	118	45	29	025	2018	115	45	29	030
08	0083	127	76	28	004	1006	119	92	28	019	1495	115	92	29	021	2010	115	59	27	027
09	0084	127	81	30	009	1006	120	73	28	025	1497	118	80	28	027	2013	115	50	27	027
10	0083	126	78	30	002	1005	119	80	27	017	1496	117	69	27	024	2013	117	31	27	025
11	0087	125	88	28	003	1012	119	81	26	017	1503	117	69	26	020	2019	116	42	27	022
12	0088	123	91	—	000	1010	120	74	26	009	1501	117	62	27	012	2017	115	53	25	018
13	0092	124	94	27	003	1013	120	71	26	004	1503	116	75	21	015	2017	114	61	20	017
14	0101	124	91	26	003	1019	119	82	24	001	1508	115	79	10	002	2021	113	62	10	005
15	0098	124	91	28	002	1019	119	73	03	006	1509	116	73	06	006	2022	113	72	08	006
16	0107	124	88	28	003	1027	119	71	03	002	1517	116	82	02	003	2029	112	69	01	006
17	0102	124	91	27	005	1024	120	82	13	003	1518	118	59	14	004	2035	115	50	15	004
18	0096	123	88	27	005	1018	120	72	31	004	1510	118	63	30	007	2028	115	75	31	010
19	0100	124	92	—	000	1019	119	82	16	006	1509	117	70	17	007	2025	114	73	13	006
20	0100	125	88	23	002	1020	118	79	20	005	1510	117	56	17	005	2026	114	52	16	006
21	0098	124	96	28	012	1014	119	93	27	010	1504	117	95	23	010	2019	114	97	21	010
22	0076	126	83	27	008	0998	120	80	26	026	1489	117	81	26	023	2005	114	78	26	016
23	0066	126	79	27	014	0988	119	83	27	027	1479	117	78	27	028	1993	113	77	27	030
24	0064	126	83	33	014	0985	120	67	29	031	1476	117	62	30	031	1993	115	56	31	028
25	0078	125	91	26	002	1000	120	78	02	009	1492	118	71	02	009	2009	115	66	34	006
26	0092	125	93	—	000	1011	119	87	14	006	1502	117	88	13	007	2018	114	88	13	008
27	0094	124	91	—	000	1014	119	88	17	009	1504	116	85	17	013	2019	116	66	18	014
28	0098	124	90	25	003	1017	119	88	09	009	1507	116	84	10	013	2021	114	80	11	015
29	0109	124	96	—	000	1026	119	93	23	003	1516	116	87	18	006	2032	114	84	18	002
30	0095	124	88	28	003	1012	120	65	23	006	1507	117	61	28	006	2023	114	60	29	010
31	0085	124	93	—	000	1007	120	81	17	012	1498	117	79	18	012	2015	115	85	17	011

TABLE IX — continued

December 1963

Day	700 mb					600 mb					500 mb					400 mb				
	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. tens degs	Wind Speed knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. tens degs	Wind Speed knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. tens degs	Wind Speed knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. tens degs	Wind Speed knots
01	3135	108	72	12	005	4393	102	47	15	010	5843	093	27	14	008	7552	084	44	17	005
02	3123	110	43	22	005	4384	103	35	17	010	5837	095	36	18	009	7552	083	35	10	003
03	3122	109	72	23	010	4381	101	69	16	003	5835	095	38	17	007	7558	086	30	18	009
04	3133	109	71	26	010	4390	101	77	11	003	5838	095	57	05	006	7551	082	60	10	013
05	3132	108	48	21	008	4396	102	67	25	002	5846	093	72	32	003	7551	081	68	05	010
06	3135	108	51	23	008	4398	102	59	23	008	5854	095	46	25	012	7568	082	63	31	006
07	3139	109	54	21	007	4401	102	40	21	010	5853	095	35	24	019	7575	084	43	27	018
08	3124	106	75	24	014	4387	102	98	27	010	5833	093	37	25	013	7544	083	56	27	022
09	3128	107	63	27	020	4384	103	26	29	018	5834	094	23	27	020	7534	082	28	25	015
10	3135	109	53	26	018	4403	105	28	28	012	5866	095	37	23	012	7583	084	37	22	021
11	3139	109	48	26	017	4399	102	42	34	014	5854	095	39	36	004	7564	083	44	16	007
12	3135	108	53	27	012	4393	102	23	36	007	5838	093	26	03	014	7544	083	24	36	008
13	3135	109	42	23	011	4394	101	32	11	010	5838	093	36	08	010	7553	085	18	08	006
14	3138	110	30	15	015	4397	100	27	14	017	5839	093	18	13	017	7550	083	10	12	012
15	3136	109	37	08	012	4395	102	24	09	014	5839	094	17	11	011	7548	083	12	10	016
16	3142	109	50	06	008	4398	100	67	07	014	5840	092	46	08	021	7535	080	25	11	013
17	3156	110	51	11	008	4422	103	22	06	007	5875	094	47	09	012	7592	084	18	07	010
18	3153	109	50	30	015	4411	101	67	29	014	5856	093	44	29	014	7566	084	32	06	003
19	3143	108	62	13	009	4399	101	70	14	011	5847	094	65	05	009	7561	083	13	26	003
20	3142	109	73	13	008	4395	101	66	10	010	5840	092	46	11	006	7541	081	36	26	003
21	3137	108	99	20	009	4393	100	97	18	007	5838	093	93	20	011	7554	085	91	22	017
22	3127	110	58	25	011	4391	102	59	26	007	5846	094	61	21	006	7568	085	33	26	005
23	3107	108	72	29	008	4362	100	68	32	013	5809	094	60	29	008	7522	083	67	23	007
24	3109	109	66	31	028	4367	100	74	31	014	5808	093	78	30	016	7519	085	55	26	009
25	3129	108	74	34	012	4391	101	70	35	016	5842	094	67	02	002	7550	083	63	36	008
26	3138	109	78	12	008	4403	103	74	06	007	5855	094	61	08	017	7575	085	30	08	011
27	3143	110	44	14	017	4406	102	66	09	021	5861	095	17	09	022	7580	083	01	11	028
28	3142	109	63	09	021	4404	103	53	08	024	5852	093	60	08	029	7566	084	60	08	028
29	3147	107	84	01	011	4403	101	93	34	010	5852	094	88	01	009	7569	084	77	03	007
30	3142	109	66	28	007	4399	101	75	11	017	5843	092	78	11	015	7549	083	55	10	013
31	3139	111	46	13	009	4407	103	42	08	012	5861	095	34	06	012	7578	084	31	10	014

TABLE IX - HEIGHT, TEMPERATURE, HUMIDITY AND WIND AT PRESSURE LEVELS
AT SEYCHELLES (continued)

December 1963

Day	300 mb					250 mb					200 mb					150 mb				
	Height	Temp.	Rel. hum.	Wind	Speed	Height	Temp.	Wind	Speed	Dir.	Height	Temp.	Wind	Speed	Dir.	Height	Temp.	Wind	Speed	Dir.
	deca- metres	(+ 100) °C	per cent	tens deg		deca- metres	(+ 100) °C	tens deg			deca- metres	(+ 100) °C	tens deg			deca- metres	(+ 100) °C	tens deg		
01	0965	069	42	10	016	1091	058	09	014		1239	047	06	036		1418	032	06	048	
02	0965	068	33	10	007	1091	058	12	003		1238	046	09	014		1417	032	06	045	
03	0967	069	35	15	010	1093	059	18	007		1242	048	09	023		1421	033	08	011	
04	0966	068	37	11	019	1092	056	08	015		1238	044	07	027		1415	031	10	007	
05	0963	064	61	09	018	1088	055	08	031		1232	041	09	055		1408	031	07	048	
06	0966	067	54	09	010	1091	057	08	031		1238	044	11	040		1414	030	09	062	
07	0968	068	36	29	019	1094	058	32	005		1241	046	06	017		1420	032	09	053	
08	0965	068	45	26	022	1091	058	14	006		1238	046	10	040		1418	032	11	051	
09	0963	068	20	25	025	1089	058	17	003		1236	045	09	037		1415	034	11	041	
10	0968	068	26	24	023	1094	056	01	002		1240	046	09	035		1419	031	10	038	
11	0967	068	24	24	014	1093	056	06	003		1238	043	09	029		1415	032	10	023	
12	0963	067	22	—	000	1088	055	02	014		1234	044	08	037		1412	033	06	018	
13	0967	069	17	32	012	1093	058	04	008		1241	048	05	022		1420	034	15	003	
14	0965	068	09	24	007	1091	057	26	013		1237	045	19	003		1417	034	20	009	
15	0964	068	12	16	010	1090	057	23	012		1237	045	20	013		1415	032	21	014	
16	0962	067	15	09	009	1088	058	13	006		1235	044	17	007		1412	029	20	009	
17	0970	069	13	26	007	1096	058	20	005		1244	045	14	019		1422	032	27	019	
18	0967	068	24	09	013	1093	058	09	014		1240	046	11	007		1419	034	11	029	
19	0966	069	08	28	013	1092	058	29	010		1239	045	27	015		1418	033	29	033	
20	0965	068	23	30	005	1091	057	34	015		1237	045	26	010		1415	032	28	019	
21	0968	070	88	26	011	1095	059	33	022		1242	047	35	014		1423	031	28	037	
22	0968	070	38	05	004	1096	061	09	008		1246	050	11	012		1428	037	24	007	
23	0962	068	54	23	010	1088	058	22	017		1236	046	22	025		1413	030	22	030	
24	0963	070	62	28	013	1091	062	27	008		1241	049	10	010		1423	037	31	011	
25	0965	067	54	04	014	1091	058	08	012		1238	045	09	026		1416	034	33	016	
26	0967	066	33	11	016	1092	056	08	035		1238	046	03	023		1416	032	21	007	
27	0967	067	01	08	032	1094	058	05	021		1241	047	35	009		1420	033	10	016	
28	0967	068	48	07	033	1094	058	06	018		1242	047	02	015		1422	034	10	023	
29	0968	070	64	08	039	1095	059	06	024		1243	045	08	026		1420	031	09	018	
30	0964	066	45	13	004	1089	056	12	005		1235	045	08	022		1413	030	01	030	
31	0969	071	24	11	014	1097	061	09	018		1246	050	03	015		1428	036	34	022	

TABLE IX -- continued

December 1963

Day	100 mb			70 mb			50 mb			30 mb			Tropopause		Remarks
	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Pressure mb	Temp. (+ 100) °C	
01	1653	021	14 011	1857	028	29 024	2061	036	29 030	2377	041	32 007	092	019	Pressure doubtful above 200 mb
02	1653	020	29 016	1857	024								094	018	
03	1661	022	27 007	1863	023	29 009	2062	032					078	018	
04	1649	020	07 005	1855	025	32 018							111	019	
05	1642	020	34 009	1847	024	21 010	2050	041					102	018	
06	1649	021	21 009	1853	030	13 006							104	020	
07	1656	022	20 005	1858	019	22 016							082	019	Tropopause not defined
08	1653	021	09 021	1858	031	18 002							114	021	
09	1653	021	33 019	1855	021	30 008							097	020	
10	1654	020	28 023	1859	025	23 018	2058	034	19 014				099	020	
11	1651	018	27 008	1853	026	18 020	2055	033	30 015				091	014	
12	1645	014	23 010	1847	030	24 002	2052	039	25 007				097	013	
13	1656	021	22 009										106	020	Tropopause not defined
14	1652	017	21 003	1854	025	29 002	2055	042	27 030				089	014	
15	1648	015	22 006										102	014	
16	1646	018	16 012	1848	021	28 012							096	017	
17	1659	024	29 009	1870	032	28 024							125	024	Tropopause not defined
18	1657	023	09 013	1860	027	15 008	2064	037					078	019	
19	1654	021	28 022	1856	027								090	018	
20	1649	020	24 024	1851	022	20 005	2051	036	21 013				093	017	
21			21 011												Pressure doubtful above 200 mb
22	1669	024	28 016	1875	027		2053	034	29 014				090	021	
23	1649	019	26 026	1852	026	25 008	2059	024					098	019	
24	1665	025	26 022	1868	018	—							068	017	
25	1656	023	28 048	1857	018	27 024							083	018	Pressure doubtful above 300 mb
26	1652	020	28 037												
27	1657	020	27 023	1855	020	09 015			30 012						
28	1658	021	27 013	1856	017	09 033	2055	033	16 008				073	013	
29			24 015												
30	1645	015	20 016	1850	030	29 010							096	014	
31	1667	020	12 008	1866	020								081	015	

TABLE IX --HEIGHT, TEMPERATURE, HUMIDITY AND WIND AT PRESSURE LEVELS
AT SEYCHELLES

January 1964

Day	Surface				900 mb				850 mb				800 mb			
	1000 mb height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots
01	0096	125	92	27 002	1017	120	84	03 006	1507	116	84	06 010	2021	114	73	07 011
02	0105	124	91	26 004	1026	120	78	03 006	1516	118	74	03 007	2034	116	67	04 011
03	0096	123	91	27 003	1018	120	77	21 002	1509	117	72	19 002	2024	114	65	17 007
04	0084	125	90	26 002	1006	120	82	09 002	1497	117	88	10 002	2012	114	80	10 002
05	0085	125	88	— 000	1002	119	80	35 002	1493	117	77	01 006	2008	113	72	36 010
06	0085	124	92	— 000	1008	120	74	28 002	1500	118	78	30 002	2017	116	69	11 007
07	0084	125	91	— 000	1009	121	73	12 002	1502	118	75	11 004	2020	116	75	09 006
08	0092	124	95	28 014	1009	119	88	27 016	1498	116	87	28 013	2013	114	84	25 011
09	0091	125	91	— 000	1011	120	74	23 013	1501	117	50	23 016	2017	114	66	22 015
10	0082	127	77	24 009	1005	120	70	28 025	1496	117	74	28 024	2012	114	82	27 020
11	0077	125	90	29 010	0999	121	75	28 015	1492	118	76	28 013	2009	115	76	28 012
12	0086	125	95	27 005	1009	120	90	30 013	1500	117	85	30 016	2016	114	80	29 014
13	0092	125	93	— 000	1014	119	84	29 006	1505	117	78	28 007	2021	114	70	27 010
14	0099	126	92	28 002	1021	120	83	33 009	1512	117	77	29 006	2028	114	79	26 006
15	0090	125	94	— 000	1012	119	91	32 009	1502	116	91	26 010	2017	114	98	25 012
16	0087	127	83	32 005	1009	119	86	30 015	1498	116	83	28 015	2011	113	83	26 017
17	0096	125	88	31 003	1018	120	77	28 022	1510	117	78	27 022	2026	114	87	25 019
18	0093	127	75	33 005	1013	119	85	28 012	1503	116	81	26 015	2018	114	70	23 018
19	0084	126	82	34 002	1008	119	84	29 012	1498	116	82	25 014	2014	115	53	22 020
20	0086	126	84	35 005	1007	119	86	26 009	1496	115	88	23 014	2008	115	55	24 019
21	0101	125	88	27 002	1023	119	68	22 009	1518	121	21	22 012	2039	117	32	21 010
22	0102	125	89	27 005	1024	120	82	32 007	1515	117	75	25 008	2031	115	72	21 015
23	0095	125	96	26 003	1017	119	88	29 009	1508	117	87	26 009	2023	114	86	19 008
24	0081	125	82	27 015	1003	122	57	27 012	1497	118	65	23 006	2014	116	63	22 009
25	0096	124	82	24 010	1014	119	88	26 015	1504	117	83	24 013	2017	114	81	20 011
26	0091	127	80	08 004	1012	119	84	29 017	1503	117	80	30 017	2019	114	72	31 016
27	0082	127	79	31 004	1006	121	74	27 013	1497	116	78	26 011	2012	115	58	26 013
28	0083	126	89	30 002	1003	119	88	28 011	1493	117	95	27 010	2009	114	97	27 010
29	0088	126	86	24 002	1011	120	84	29 017	1503	118	74	29 016	2020	114	82	29 017
30	0093	126	84	28 010	1015	120	83	27 027	1507	118	77	27 024	2025	116	65	26 016
31	0094	125	92	29 009	1006	118	87	29 024	1495	115	88	29 028	2008	113	89	29 023

TABLE IX - continued
January 1964

Day	700 mb					600 mb					500 mb					400 mb				
	Height	Temp.	Rel.	Wind		Height	Temp.	Rel.	Wind		Height	Temp.	Rel.	Wind		Height	Temp.	Rel.	Wind	
	metres	°C	hum.	Dir.	tens	metres	°C	hum.	Dir.	tens	metres	°C	hum.	Dir.	tens	metres	°C	hum.	Dir.	tens
01	3140	109	66	06	013	4393	099	61	06	011	5822	089	52	07	017	7493	076	64	10	016
02	3158	110	40	06	016	4423	102	62	05	012	5871	094	74	09	013	7586	083	50	09	016
03	3137	109	70	16	016	4395	101	71	13	012	5839	093	55	11	005	7544	082	59	09	010
04	3132	108	81	11	016	4393	102	58	15	019	5846	094	52	15	011	7566	084	61	11	008
05	3124	108	65	02	012	4379	101	63	36	013	5820	092	49	04	005	7525	082	44	06	012
06	3142	110	63	10	010	4405	103	66	08	012	5863	095	48	11	011	7586	085	38	06	013
07	3144	110	72	06	010	4410	102	51	03	011	5863	095	52	02	016	7588	086	33	36	009
08	3132	108	82	15	008	4395	102	81	12	004	5852	093	79	17	010	7558	084	64	26	006
09	3136	109	70	25	013	4394	101	79	27	007	5843	093	64	30	013	7557	084	71	16	011
10	3129	109	72	27	016	4393	101	81	23	010	5842	094	67	21	002	7559	084	71	25	016
11	3131	110	67	25	021	4395	101	74	25	023	5843	094	78	24	018	7554	084	70	28	012
12	3136	109	70	33	008	4397	101	78	27	009	5841	091	63	23	023					
13	3145	110	58	27	019	4410	102	63	30	012	5858	093	65	22	005	7575	083	74	06	018
14	3147	109	80	26	013	4406	101	67	32	014	5854	094	45	32	006	7569	083	52	19	009
15	3131	107	63	21	016	4383	100	59	23	012	5832	094	61	23	008	7545	085	53	14	011
16	3125	108	64	24	020	4384	101	71	26	012	5835	094	61	23	012	7551	083	60	28	006
17	3145	109	71	22	008	4411	102	76	28	017	5861	094	82	29	021	7577	084	69	31	011
18	3138	109	79	29	007	4403	103	44	32	012	5860	095	51	28	007	7578	083	71	10	006
19	3133	110	64	27	008	4403	104	27	32	008	5866	098	46	25	003	7592	085	49	23	007
20	3127	110	56	28	005	4393	103	63	04	011	5848	094	53	04	006	7565	084	43	20	016
21	3163	108	54	23	017	4413	100	54	27	003	5855	094	35	09	011	7564	082	64	12	015
22	3152	110	65	21	017	4418	102	58	24	008	5864	093	67	12	009	7578	084	58	29	004
23	3139	107	57	21	008	4393	100	60	27	012	5835	092	69	27	007	7550	084	61	21	006
24	3137	109	61	22	022	4398	102	75	23	018	5851	095	65	33	011	7568	083	75	29	010
25	3134	108	82	29	007	4395	101	76	29	013	5844	093	72	33	015	7561	085	61	30	010
26	3138	109	67	32	014	4399	102	80	02	007	5850	094	68	09	012	7567	084	74	12	009
27	3132	110	39	27	011	4395	102	55	27	009	5846	093	67	—	000	7559	083	51	11	011
28	3127	108	84	23	010	4389	103	84	28	008	5842	095	63	29	011	7555	082	73	22	016
29	3138	108	86	27	017	4405	102	80	27	011	5858	095	73	27	018	7578	085	72	10	008
30	3147	109	73	27	018	4411	101	84	30	013	5864	095	80	33	010	7587	085	67	33	004
31	3121	107	78	29	029	4377	101	87	28	020	5826	094	82	26	013	7538	083	73	24	010

TABLE IX - HEIGHT, TEMPERATURE, HUMIDITY AND WIND AT PRESSURE LEVELS
AT SEYCHELLES (continued)

January 1964																				
Day	300 mb					250 mb					200 mb					150 mb				
	Height	Temp. (+ 100)	Rel. hum.	Wind Dir.	Wind Speed	Height	Temp. (+ 100)	Wind Dir.	Wind Speed	Height	Temp. (+ 100)	Wind Dir.	Wind Speed	Height	Temp. (+ 100)	Wind Dir.	Wind Speed			
	deca- metres	°C	per cent	tens degs	knots	deca- metres	°C	tens degs	knots	deca- metres	°C	tens degs	knots	deca- metres	°C	tens degs	knots			
01	0955	067	56	11	020	1082	059	12	021	1230	048	19	006	1412	040	35	005			
02	0970	070	29	10	018	1097	060	10	015	1246	049	04	005	1427	036	02	025			
03	0964	068	50	11	014	1090	059	13	013	1238	047	09	009	1419	034	30	022			
04	0967	070	36	12	005	1095	060	17	010	1244	050	30	014	1426	037	32	038			
05	0962	069	23	06	010	1088	059	28	006	1235	046	33	013	1415	033	34	025			
06	0970	071	25	02	006	1098	060	01	014	1246	048	01	018	1427	034	35	018			
07	0971	071	37	02	005	1098	060	34	008	1247	050	21	003	1430	037	30	010			
08	0967	070	61	10	008	1094	058	03	013	1241	046	05	012	1419	033	08	009			
09	0967	069	44	15	012	1093	058	10	011	1240	046	08	017	1419	033	10	024			
10	0967	070	60	21	008	1094	060	32	004	1242	048	05	009	1422	033	06	015			
11	0966	069	60	25	010	1093	059	19	007	1241	046	12	015	1419	035	15	014			
12																				
13	0968	069	58	17	005	1095	059	12	018	1243	047	10	038	1424	035	06	014			
14	0967	069	55	09	030	1094	058	12	039	1241	047	11	042	1422	034	09	014			
15	0966	070	44	10	029	1094	060	11	038	1242	049	10	035	1424	035	15	018			
16	0965	069	54	15	011	1092	060	11	021	1241	049	12	046	1421	034	03	033			
17	0969	069	59	11	010	1095	059	11	016	1243	046	12	036	1421	032	12	050			
18	0968	068	67	20	017	1094	056	10	021	1240	045	11	045	1419	032	11	051			
19	0970	069	67	07	013	1097	059	09	033	1245	048	11	052	1426	036	09	036			
20	0967	069	56	10	033	1094	060	10	039	1242	048	10	048	1424	036	08	027			
21	0964	066	59	07	021	1089	055	08	041	1235	044	09	036	1425	037	33	011			
22	0968	069	64	08	024	1094	059	10	043	1243	049	10	046	1425	037	01	010			
23	0966	070	61	10	010	1093	060	12	036	1242	049	11	046	1423	034	09	014			
24	0967	069	63	13	006	1094	059	12	015	1242	048	11	021	1423	035	25	011			
25	0968	070	53	36	014	1095	060	01	015	1243	047	06	018	1422	031	05	017			
26	0968	070	55	15	008	1095	059	14	016	1243	046	13	018	1421	032	08	019			
27	0965	067	48	12	010	1091	056	10	019	1236	043	08	029	1412	029	11	029			
28	0965	068	64	23	006	1091	057	01	014	1237	043	06	014	1411	027	07	047			
29	0969	069	68	15	006	1096	059	18	013	1243	046	13	016	1423	033	09	027			
30	0970	070	48	06	002	1097	060	09	002	1245	047	06	026	1425	034	09	045			
31	0963	068	58	07	011	1089	057	04	027	1235	043	04	027	1412	029	09	046			

TABLE IX - continued

January 1964

Day	100 mb				70 mb				50 mb				30 mb				Tropopause		Remarks
	Height deca- metres	Temp. (+ 100) °C	Dir.	Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Dir.	Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Dir.	Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Dir.	Speed tens degs knots	Pressure mb	Temp. (+ 100) °C	
01	1665	020	24	006	1866	023	05	017	2064	034							082	015	Pressure doubtful above 200 mb
02	1654	018	31	010	1854	020	12	007	2051	030	24	016					090	015	
03	1666	022	20	004	1866	016	06	002	2057	031	06	002					064	014	
04	1648	020	34	008	1848	016	10	018	2045	037	25	005					107	018	
05	1664	020	14	004	1867	028	11	014									096	019	
06																			Pressure doubtful above 250 mb
07	1668	019	04	008	1865	012	17	004	2053	027	22	006	2357	033	35	010	070	012	
08																			
09	1656	019	03	023	1855	025	24	016									095	017	
10	1654	018	07	026	1868	020											128	026	
11	1663	027	—	—															Pressure doubtful above 300 mb Tropopause not defined
12	1658	020																	
13	1660	019	09	011	1862	026	27	004	2060	032							102	018	
14	1658	020	06	023	1862	029	14	024									092	017	
15	1661	018	23	019	1863	027	05	010									096	015	
16	1658	020	19	010	1856	013	05	014	2048	034							068	012	Tropopause not defined
17	1659	022	35	017	1858	017											079	014	
18	1651	015	18	010	1854	030	28	016	2058	039							095	013	
19	1664	019	17	023															
20	1662	021	11	041	1862	029	32	002	2062	036	24	006					088	014	
21			06	026			22	014									085	014	Pressure doubtful above 300 mb
22	1665	022	31	014	1864	013	13	005	2054	023							069	012	
23			03	008			08	005											
24	1659	019	11	013	1860	023	33	006									091	015	
25																			
26	1658	019	06	031	1852	024	06	014									100	019	Tropopause not defined
27	1653	014	08	030	1851	035	30	009									096	013	
28	1643	019	11	032													109	016	
29	1660	022	24	014	1863	028	18	023									116	019	
30	1663	022	10	027	1866	018											090	019	
31	1643	018	15	008			35	018									103	016	Pressure doubtful above 200 mb Tropopause not defined

TABLE IX - HEIGHT, TEMPERATURE, HUMIDITY AND WIND AT PRESSURE LEVELS
AT SEYCHELLES

February 1964

Day	1000 mb height metres	Surface				900 mb				850 mb				800 mb			
		Temp. (+ 100) °C	Rel. hum.	Dir.	Wind Speed knots	Temp. (+ 100) °C	Rel. hum.	Dir.	Wind Speed knots	Temp. (+ 100) °C	Rel. hum.	Dir.	Wind Speed knots	Temp. (+ 100) °C	Rel. hum.	Dir.	Wind Speed knots
01	0092	125	89	30	011	119	83	29	023	117	85	30	022	115	76	30	023
02	0086	125	85	—	000	120	74	30	022	116	80	30	022	115	71	28	022
03	0075	126	85	24	006	119	88	31	018	116	91	29	017	115	72	29	016
04	0079	127	82	34	007	120	74	33	014	116	70	31	015	118	31	28	025
05	0077	127	84	32	010	121	62	33	015	120	37	28	009	117	21	27	015
06	0079	124	93	—	000	120	72	28	003	118	68	28	004	117	36	27	006
07	0085	124	94	—	000	119	80	12	003	116	72	12	003	115	45	17	010
08	0076	124	88	28	002	120	76	11	004	117	68	09	004	114	69	17	005
09	0075	125	90	28	003	119	80	02	007	116	85	04	007	114	88	05	007
10	0082	125	87	28	003	120	73	03	009	117	73	04	011	113	80	04	012
11	0085	125	90	—	000	121	74	16	003	118	72	18	001	115	70	11	003
12	0072	124	92	28	003	120	88	21	003	117	85	21	009	114	86	21	009
13	0076	125	95	—	000	121	69	27	007	117	70	28	006	113	72	25	005
14	0077	125	91	—	000	120	73	24	004	117	73	26	003	115	71	33	003
15	0076	125	93	28	004	120	83	36	008	118	80	36	008	115	77	35	008
16	0070	126	90	28	002	120	88	35	009	117	86	35	010	114	83	28	010
17	0069	124	96	—	000	120	77	33	011	118	80	32	009	115	71	32	009
18	0067	127	80	36	003	120	80	29	023	118	82	28	022	115	73	28	018
19	0055	127	73	27	005	120	69	27	026	117	70	27	025	116	65	28	024
20	0052	127	68	24	011	123	61	25	026	119	68	25	024	116	73	25	024
21	0060	127	81	31	006	120	70	32	008	116	70	28	007	112	70	25	009
22	0062	125	91	28	005	120	84	26	008	117	62	26	015	115	64	24	023
23	0058	125	93	28	003	119	98	29	008	117	89	26	012	114	76	24	021
24	0058	126	86	28	002	121	71	24	013	118	65	22	018	117	39	23	025
25	0061	126	83	28	005	119	80	28	018	119	57	27	028	116	60	27	032
26	0061	127	87	33	003	121	81	30	012	119	67	28	016	117	41	25	028
27	0069	128	82	34	003	119	80	30	011	116	71	27	029	115	61	25	030
28	0078	128	79	36	009	120	85	29	018	118	68	27	030	116	55	26	035
29	0070	126	89	—	000	120	82	30	013	118	81	27	015	116	60	26	023

TABLE IX - continued
February 1964

Day	700 mb				600 mb				500 mb				400 mb			
	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots
01	3139	106	78	27 022	4398	102	58	29 022	5845	092	85	29 017	7558	083	71	34 023
02	3133	109	64	25 020	4398	103	46	26 022	5849	093	77	28 019	7561	083	56	29 019
03	3122	111	66	28 012	4393	102	85	27 016	5843	095	65	28 016	7561	084	54	29 023
04	3140	112	17 29	029 024	4404	101	40	28 026	5852	093	54	30 015	7571	084	23	34 014
05	3139	110	26	27 024	4403	101	29	27 015	5849	092	57	03 010	7562	084	43	05 012
06	3139	112	29	26 009	4405	102	20	27 014	5858	094	63	06 008	7581	085	28	16 010
07	3127	110	33	20 016	4390	103	25	18 011	5836	092	55	11 018	7549	084	26	15 011
08	3127	110	46	17 015	4392	102	41	13 021	5841	094	55	11 024	7568	085	32	10 015
09	3122	110	70	09 013	4385	101	68	08 014	5832	094	59	11 019	7549	084	39	10 012
10	3121	108	76	06 016	4379	102	72	10 013	5829	094	68	09 011	7543	085	38	09 006
11	3135	109	55	08 009	4395	102	75	08 010	5841	093	58	09 012	7557	083	37	04 017
12	3123	109	68	15 007	4386	102	63	09 012	5835	093	41	07 016	7546	083	18	05 018
13	3114	105	66	10 009	4365	102	56	08 014	5820	095	47	08 013	7525	081	15	09 011
14	3129	108	77	04 007	4385	101	74	04 012	5828	092	73	09 008	7534	082	16	08 012
15	3129	109	50	33 003	4392	102	74	15 010	5840	093	77	16 012	7553	084	58	11 010
16	3119	108	80	25 007	4378	100	79	13 007	5821	093	48	12 014	7536	084	37	12 018
17	3122	108	70	08 003	4380	101	85	10 005	5831	094	66	15 014	7548	084	65	16 013
18	3115	109	67	26 009	4378	102	83	28 008	5832	094	83	36 007	7554	085	74	08 005
19	3107	108	82	31 014	4368	101	85	29 009	5816	093	80	06 007	7530	084	64	07 011
20	3118	109	73	28 032	4376	100	79	32 029	5821	094	71	32 010	7538	084	67	13 008
21	3094	107	46	26 022	4347	100	42	30 020	5786	091	57	27 017	7490	082	58	08 009
22	3110	110	44	26 019	4377	103	52	31 008	5831	095	45	25 006	7548	082	62	16 008
23	3110	111	47	23 015	4379	103	50	26 011	5835	095	46	17 005	7553	084	70	16 014
24	3116	109	51	23 028	4380	103	34	23 013	5837	095	38	29 015	7554	085	46	02 007
25	3113	111	17	26 025	4382	102	33	23 017	5833	093	33	25 018	7534	082	56	36 011
26	3125	112	34	27 019	4407	105	47	23 013	5808	094	36	26 010	7577	082	80	05 016
27	3119	110	52	27 012	4386	104	34	23 018	5842	094	42	26 012	7551	082	57	05 011
28	3133	109	46	28 017	4399	104	28	24 025	5855	094	37	28 013	7573	084	42	20 009
29	3129	111	36	28 016	4399	104	35	24 025	5857	095	37	23 015	7577	084	45	29 002

TABLE IX - HEIGHT, TEMPERATURE, HUMIDITY AND WIND AT PRESSURE LEVELS
AT SEYCHELLES (continued)

February 1964

Day	300 mb					250 mb					200 mb					150 mb				
	Height	Temp. (+ 100)	Rel. hum.	Wind Dir.	Wind Speed	Height	Temp. (+ 100)	Wind Dir.	Wind Speed	Height	Temp. (+ 100)	Wind Dir.	Wind Speed	Height	Temp. (+ 100)	Wind Dir.	Wind Speed			
	deca- metres	°C	per cent	tens degs	knots	deca- metres	°C	tens degs	knots	deca- metres	°C	tens degs	knots	deca- metres	°C	tens degs	knots			
01	0966	069	63	19	005	1093	059	23	005	1240	045	07	013	1418	033	11	046			
02	0966	068	55	26	003	1092	057	18	011	1238	044	04	008	1416	032	15	044			
03	0966	068	43	26	008	1093	059	01	001	1240	045	18	011	1418	031	12	023			
04	0967	069	43	08	010	1094	060	13	017	1243	048	16	029	1423	033	16	031			
05	0966	066	53	11	013	1092	060	11	021	1241	047	13	014	1421	035	12	021			
06	0969	069	41	09	027	1095	059	11	024	1244	047	14	029	1423	035	11	019			
07	0965	069	25	08	022	1091	060	09	028	1240	049	10	022	1422	036	25	004			
08	0968	068	28	09	024	1094	059	12	027	1242	047	11	007	1422	034	26	006			
09	0965	068	47	07	020	1091	059	09	026	1239	045	09	024	1415	029	15	005			
10	0965	068	37	13	011	1091	057	16	016	1238	045	14	023	1417	034	13	027			
11	0965	066	25	03	017	1090	056	36	014	1235	043	09	021	1412	032	09	026			
12	0964	067	17	06	020	1089	056	05	028	1235	045	07	027	1413	032	34	006			
13	0962	069	16	04	011	1088	059	03	007	1237	048	04	012	1418	035	30	026			
14	0962	067	21	06	005	1088	056	31	002	1234	044	28	024	1411	030	31	028			
15	0966	069	50	06	027	1093	059	04	020	1240	046	01	013	1419	033	32	021			
16	0964	069	17	09	021	1091	060	09	023	1239	047	10	006	1420	036	30	013			
17	0966	070	62	12	015	1094	060	09	021	1242	048	10	024	1423	034	15	011			
18	0967	070	57	08	006	1093	059	08	020	1241	047	11	034	1421	032	21	025			
19	0964	069	46	09	019	1090	059	11	033	1238	046	11	036	1417	032	11	046			
20	0965	069	64	10	021	1092	059	13	026	1239	046	12	044	1418	033	09	046			
21	0959	071	53	09	025	1087	061	09	031	1236	049	13	035	1417	037	11	027			
22	0965	070	33	10	025	1092	059	09	038	1239	047	10	044	1419	034	12	025			
23	0966	069	55	10	011	1092	058	10	029	1241	050	07	012	1422	034	32	013			
24	0966	070	61	10	022	1093	059	11	037	1242	051	12	037	1425	035	11	019			
25	0962	067	64	09	020	1088	057	11	028	1235	046	12	050	1414	033	10	060			
26	0968	068	72	11	017	1094	057	09	034	1240	046	12	056	1420	033	13	071			
27	0965	070	40	07	036	1092	059	10	044	1240	049	11	047	1421	036	09	042			
28	0968	069	49	09	034	1095	060	11	030	1243	047	09	042	1424	036	09	011			
29	0967	068	56	11	013	1093	059	10	025	1241	048	10	051	1424	039	08	017			

TABLE IX - continued

February 1964

Day	100 mb			70 mb			50 mb			30 mb			Tropopause		Remarks
	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Pressure mb	Temp. (+ 100) °C	
01	1653	022	07 013	—	—	28 017	—	—	—	—	—	—	111	021	Tropopause not defined
02	1649	019	34 013	1851	021	06 005	1851	021	06 005	—	—	—	106	019	
03	1654	021	28 016	1855	022	29 010	1859	024	29 010	—	—	—	078	016	
04	1659	020	24 024	1859	024	29 010	2056	030	17 007	—	—	—	085	016	Tropopause not defined
05	1658	020	29 010	1858	018	24 009	2049	020	23 001	2353	034	—	092	018	
06	1661	022	32 017	1863	019	23 020	2060	032	—	—	—	—	079	019	
07	1662	021	29 029	1860	014	08 010	2050	030	—	—	—	—	073	013	Tropopause not defined
08	1658	019	22 025	1851	023	26 007	2052	038	13 028	—	—	—	098	016	
09	1648	017	12 023	1862	025	20 013	2068	043	—	—	—	—	021	020	
10	1655	022	06 021	—	—	—	—	—	—	—	—	—	111	020	Tropopause not defined
11	1647	019	12 005	—	—	—	—	—	—	—	—	—	—	—	
12	1648	019	32 010	—	—	—	—	—	—	—	—	—	—	—	
13	1656	023	29 030	1861	024	07 007	2062	036	05 009	—	—	—	089	019	Tropopause not defined
14	1645	021	28 019	1852	035	—	—	—	—	—	—	—	106	019	
15	1656	020	26 038	1860	024	10 010	2070	037	—	—	—	—	098	019	
16	1659	023	24 018	1865	028	12 014	2069	033	26 030	2383	041	09 008	107	023	Tropopause not defined
17	1661	022	31 019	1866	028	08 015	—	—	—	—	—	—	097	021	
18	1658	023	35 014	1863	028	—	—	—	—	—	—	—	089	020	
19	1653	021	30 007	1855	024	08 024	—	—	—	—	—	—	080	018	Pressure doubtful above 100 mb
20	1655	018	31 015	1855	023	25 005	2053	030	—	—	—	—	087	014	
21	1657	023	27 012	1859	017	11 009	2048	026	17 009	—	—	—	064	015	
22	1654	018	15 022	1851	017	11 020	—	—	—	—	—	—	090	015	Pressure doubtful above 150 mb
23	1659	020	09 015	1859	022	06 009	2059	034	28 021	2391	042	17 005	081	017	
24	1663	021	05 019	1867	031	35 006	2071	036	25 020	—	—	—	086	019	
25	1650	019	10 022	1857	027	23 022	—	—	—	—	—	—	104	018	Pressure doubtful above 300 mb
26	1655	022	11 028	1863	023	20 005	2064	037	26 030	—	—	—	102	021	
27	1662	022	10 024	1865	017	35 007	2057	026	—	—	—	—	085	017	
28	1664	022	11 028	1871	020	20 007	2061	023	26 013	2365	033	—	087	018	Pressure doubtful above 200 mb
29	1665	025	32 024	—	—	—	—	—	—	—	—	—	116	026	

TABLE IX - HEIGHT, TEMPERATURE, HUMIDITY AND WIND AT PRESSURE LEVELS
AT SEYCHELLES

Day	March 1964																				
	1000 mb height metres	Surface					900 mb					850 mb					800 mb				
		Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. tens degs	Wind Speed knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. tens degs	Wind Speed knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. tens degs	Wind Speed knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. tens degs	Wind Speed knots	
01	0064	126	90	29	002	0986	120	85	25	013	1477	118	78	24	018	1997	117	41	26	013	
02	0069	124	95	—	000	0991	119	83	21	011	1482	118	65	22	014	2002	118	35	23	015	
03	0084	124	90	27	002	1009	121	65	23	008	1503	120	40	23	018	2023	116	45	23	030	
04	0072	127	79	24	005	0998	121	77	25	017	1493	119	70	23	025	2011	115	63	23	033	
05	0065	128	77	06	007	0991	119	91	26	013	1481	117	74	26	028	2001	117	55	25	034	
06	0071	128	79	36	003	0996	121	80	29	009	1488	117	87	26	016	2005	116	52	27	018	
07	0068	126	88	27	005	0994	121	76	30	007	1488	119	78	25	010	2008	116	65	24	010	
08	0059	126	88	—	000	0984	121	77	11	008	1479	119	64	12	008	1997	115	65	21	003	
09	0079	126	97	29	004	1003	120	77	05	002	1494	117	78	17	007	2010	114	67	18	009	
10	0083	125	94	28	003	1004	119	86	29	001	1494	116	80	19	006	2009	114	73	21	005	
11	0078	128	81	03	009	1002	119	89	06	007	1493	120	55	05	005	2014	117	57	03	003	
12	0083	129	81	08	006	1008	120	81	07	009	1499	118	66	04	004	2017	115	65	—	000	
13	0086	126	91	25	002	1011	120	84	03	009	1502	117	81	05	007	2018	115	60	08	005	
14	0092	125	82	31	007	1013	120	70	32	009	1506	120	67	33	008	2025	115	74	33	008	
15	0093	126	86	28	002	1018	120	70	01	015	1510	118	64	36	016	2028	116	53	34	015	
16	0084	125	91	28	005	1006	120	72	26	006	1499	118	69	25	014	2019	117	52	27	023	
17	0082	126	87	27	003	1007	120	89	32	003	1498	116	80	24	010	2014	114	78	23	013	
18	0085	125	95	30	005	1011	120	73	22	003	1502	117	68	27	013	2019	116	63	23	006	
19	0086	124	92	28	002	1010	120	84	35	013	1503	118	76	34	014	2021	116	66	34	012	
20	0093	125	90	30	008	1015	120	85	35	008	1507	118	72	35	011	2025	116	58	34	010	
21	0088	125	91	—	000	1012	121	77	11	004	1506	119	63	15	002	2026	117	29	04	003	
22	0092	125	92	—	000	1013	119	79	13	005	1503	117	65	17	004	2021	116	26	21	003	
23	0086	126	89	27	002	1011	121	83	22	006	1504	118	81	19	007	2021	115	76	18	007	
24	0082	126	86	23	002	1005	120	83	26	010	1496	117	80	27	008	2012	115	76	27	008	
25	0074	126	87	—	000	0999	121	82	29	012	1492	118	70	27	012	2009	115	64	27	014	
26	0077	125	92	—	000	0999	119	78	23	008	1489	116	70	25	012	2004	116	40	27	012	
27	0086	125	90	28	002	1010	120	83	23	006	1501	117	76	21	011	2016	114	53	21	015	
28	0068	125	94	28	005	0990	120	86	29	003	1481	117	86	25	006	1997	115	85	28	006	
29	0065	125	92	27	009	0988	119	89	35	014	1479	118	86	35	012	1997	116	76	36	009	
30	0076	126	82	28	003	1003	120	80	26	003	1496	118	78	24	004	2012	114	67	35	007	
31	0072	125	93	26	002	0997	121	85	21	008	1489	118	87	21	010	2007	116	58	27	003	

TABLE IX - continued
March 1964

Day	700 mb					600 mb					500 mb					400 mb				
	Height	Temp. (+ 100)	Rel. hum.	Dir.	Wind Speed	Height	Temp. (+ 100)	Rel. hum.	Dir.	Wind Speed	Height	Temp. (+ 100)	Rel. hum.	Dir.	Wind Speed	Height	Temp. (+ 100)	Rel. hum.	Dir.	Wind Speed
	metres	°C	per cent	tens degs	knots	metres	°C	per cent	tens degs	knots	metres	°C	per cent	tens degs	knots	metres	°C	per cent	tens degs	knots
01	3123	111	44	27	022	4390	102	61	25	021	5841	094	40	25	012	7553	084	49	10	005
02	3126	109	59	25	014	4389	102	40	27	016	5834	094	38	34	007	7547	082	53	06	016
03	3143	110	20	23	022	4406	102	62	20	013	5856	095	30	14	007	7572	083	50	11	011
04	3130	112	34	23	030	4397	102	42	21	015	5852	095	59	19	018	7564	082	51	29	004
05	3122	110	38	24	026	4386	104	27	32	010	5838	094	42	27	007	7544	082	33	32	010
06	3121	108	50	26	020	4374	099	35	30	011	5818	092	35	34	018	7523	083	28	30	010
07	3136	112	43	24	011	4405	104	39	26	007	5864	095	42	02	014	7578	084	39	23	017
08	3123	112	34	15	005	4393	104	34	18	007	5853	095	29	20	008	7578	085	24	14	009
09	3129	109	61	15	007	4392	102	42	14	015	5852	094	38	11	013	7576	085	19	12	016
10	3127	109	72	03	002	4388	101	78	23	001	5837	094	71	20	007	7553	084	60	16	014
11	3138	110	42	27	008	4401	102	66	35	011	5849	094	57	27	010	7561	083	65	02	012
12	3137	109	53	19	007	4398	103	46	21	009	5854	095	23	09	008	7571	082	41	08	015
13	3138	109	62	10	008	4404	104	49	12	021	5868	097	29	12	013	7590	085	16	08	014
14	3141	107	82	09	007	4396	102	70	11	009	5841	093	53	10	010	7549	082	53	01	002
15	3153	109	14	06	005	4417	102	72	09	005	5874	095	54	14	006	7598	085	59	11	004
16	3143	110	25	29	016	4408	102	67	09	004	5856	094	48	08	005	7571	084	11	30	007
17	3143	110	36	22	010	4400	101	64	19	007	5852	096	19	34	020	7573	084	14	23	004
18	3143	111	50	21	007	4409	103	57	19	012	5867	095	35	23	007	7585	083	44	30	001
19	3142	108	80	36	005	4403	102	77	11	008	5856	095	65	12	010	7580	085	45	09	008
20	3144	109	43	34	008	4401	101	76	05	016	5848	094	77	11	013	7564	085	15	06	011
21	3148	110	33	36	004	4407	100	80	09	011	5847	093	76	14	019	7559	085	22	07	012
22	3141	108	51	15	013	4397	101	63	11	015	5843	094	51	12	013	7561	084	23	12	013
23	3143	109	71	14	008	4404	101	76	13	009	5853	094	70	13	019	7569	084	52	11	013
24	3134	109	75	30	016	4397	102	75	09	003	5848	094	69	11	009	7563	083	57	12	005
25	3128	109	34	27	013	4386	101	79	23	003	5829	092	61	31	001	7535	084	18	34	012
26	3124	109	40	22	012	4380	102	51	35	003	5823	093	38	09	007	7534	084	28	04	008
27	3137	109	68	19	007	4401	102	62	16	010	5849	094	23	11	011	7565	084	14	05	014
28	3121	110	77	21	004	4389	103	76	13	004	5846	095	59	15	009	7570	086	16	09	003
29	3120	109	67	06	012	4381	103	83	12	003	5837	094	31	18	017	7555	084	15	18	015
30	3133	110	34	02	011	4401	103	52	05	010	5844	091	58	17	010	7547	084	55	17	019
31	3134	112	28	05	005	4404	102	44	03	007	5853	093	43	12	008	7566	084	59	16	009

TABLE IX - HEIGHT, TEMPERATURE, HUMIDITY AND WIND AT PRESSURE LEVELS
AT SEYCHELLES (continued)

March 1966																				
Day	300 mb					250 mb					200 mb					150 mb				
	Height	Temp.	Rel.	Wind	Wind Speed	Height	Temp.	Dir.	Wind	Wind Speed	Height	Temp.	Dir.	Wind	Wind Speed	Height	Temp.	Dir.	Wind	
	deca- metres	(+ 100) °C	hum.	Dir.		tens	degs	°C	tens		degs	tens	degs	°C		tens	degs	tens	degs	tens
01	0965	067	59	12	016	1091	058	10	031	1238	047	10	049	1419	037	10	028			
02	0963	066	63	11	010	1088	057	10	024	1234	045	11	035	1413	036	08	021			
03	0967	068	42	11	012	1093	059	10	034	1241	048	10	047	1423	035	09	043			
04	0965	067	48	09	026	1091	057	07	042	1237	045	11	043	1415	032	10	048			
05	0962	064	51	06	019	1087	056	10	025	1233	044	11	033	1410	032	10	048			
06	0962	068	48	02	019	1089	061	09	020	1236	045	11	030	1416	033	10	027			
07	0968	069	44	10	039	1095	060	09	039	1244	048	09	043	1425	036	11	035			
08	0967	068	24	05	016	1093	059	07	030	1242	048	08	038	1422	031	30	015			
09	0969	072	17	11	017	1098	062	12	025	1247	049	23	013	1428	036	17	026			
10	0967	071	34	11	016	1094	061	09	022	1243	047	14	015	1422	033	16	041			
11	0966	069	54	09	016	1093	058	09	013	1240	046	13	029	1418	031	12	025			
12	0967	068	33	09	018	1093	058	09	018	1240	046	10	015	1418	032	06	007			
13	0969	068	14	03	002	1096	060	32	001	1244	047	11	016	1424	036	36	016			
14	0965	069	60	12	008	1091	059	11	017	1238	045	11	032	1418	033	35	019			
15	0970	070	47	17	013	1097	060	08	008	1246	046	10	014	1425	033	33	016			
16	0967	069	51	13	013	1094	059	15	015	1241	047	11	020	1420	032	16	009			
17	0968	069	42	10	011	1094	058	10	027	1241	046	11	027	1420	031	15	006			
18	0968	067	35	10	012	1093	056	11	016	1239	045	07	010	1417	032	31	019			
19	0969	069	55	12	004	1095	059	16	012	1243	047	16	012	1424	036	25	010			
20	0966	068	54	11	011	1092	056	12	012	1238	043	13	008	1415	031	25	002			
21	0966	068	17	06	021	1092	056	08	015	1238	044	14	013	1415	030	13	006			
22	0967	069	18	13	007	1094	058	12	004	1241	047	33	004	1421	034	26	002			
23	0967	069	29	16	004	1093	058	11	012	1241	047	31	012	1420	032	28	012			
24	0967	069	22	03	008	1094	059	30	005	1241	046	31	014	1419	032	31	017			
25	0964	067	08	33	006	1089	056	30	005	1235	043	34	008	1410	029	31	014			
26	0964	068	17	05	008	1090	057	01	013	1236	045	01	016	1413	029	32	019			
27	0967	068	13	02	022	1093	059	04	020	1241	047	32	010	1419	030	30	023			
28	0969	071	11	05	014	1097	062	35	006	1247	050	05	008	1430	035	28	014			
29	0966	069	22	15	013	1092	058	12	004	1239	046	25	014	1417	030	26	023			
30	0966	072	35	13	015	1094	063	15	016	1244	051	19	013	1429	038	18	010			
31	0968	071	35	09	014	1096	062	10	012	1246	050	09	015	1428	037	26	007			

TABLE IX — continued

March 1964

Day	100 mb				70 mb				50 mb				30 mb				Tropopause		Radar Comp. above mb	Remarks
	Height deca- metres	Temp. (+ 100) °C	Wind tens degs knots	Dir. Speed	Height deca- metres	Temp. (+ 100) °C	Wind tens degs knots	Dir. Speed	Height deca- metres	Temp. (+ 100) °C	Wind tens degs knots	Dir. Speed	Height deca- metres	Temp. (+ 100) °C	Wind tens degs knots	Dir. Speed	Pres- sure mb	Temp. (+ 100) °C		
01	1660	022	34	006	1864	023	10	022	2064	033							099	022		
02	1650	018	02	006													—	—	150	
03																	—	—		
04	1651	021	07	017	1859	031	02	013	2064	039	23	013					115	022		
05	1647	022	14	010	1852	025	31	026	2053	036	21	009					095	020	250	
06	1656	024	08	016	1863	028	21	012	2062	033							092	021	200	
07	1668	026	13	012	1872	020	26	016									084	021		
08	1658	019	25	027	1856	020	11	011	2052	032	07	017					097	017	200	
09	1669	021	15	011	1871	026	12	027	2073	035	17	014					095	020	250	
10	1660	022	02	008													—	—		
11	1654	022	26	012	1856	027	09	020	2058	036	08	014					081	017		
12	1658	023	01	024	1859	023	05	009	2056	037	32	009					086	017		
13	1662	018	04	019	1860	020	11	035									078	013		
14	1654	017	09	009													088	012		Tropopause not defined
15	1661	018	13	027	1860	022	27	015	2061	033	25	016					089	015	200	
16	1653	018			1859	025	25	015									—	—	170	
17	1656	023	14	025													087	017		Tropopause not defined
18	1651	016															—	—		
19	1663	020	34	013	1860	018	08	028	2060	033	26	018					074	012		
20	1648	014	11	030													099	013		
21	1649	016	03	010	1847	026	15	004	2047	030	23	015					089	013		Tropopause not defined
22	1657	020	35	007	1852	014	12	003	2048	029	29	019					083	011		
23	1655	017	04	007													—	—		
24	1653	016	29	007	1854	026	24	018	2053	036	26	006					088	014		
25	1641	013	34	009	1852	023	21	012									101	013	170	
26	1644	014	28	006	1842	023	07	010									092	011		
27	1651	016	24	011	1846	019	09	020	2042	030							082	009		
28	1668	020	11	015	1870	026											096	019		
29	1648	012	15	015	1849	024	23	011	2064	032	10	003					100	012		
30	1671	023	05	013	1870	018	16	013	2057	031	29	028					082	013	250	
31	1666	018	05	005	1862	017	02	014									079	010	160	

TABLE IX - HEIGHT, TEMPERATURE, HUMIDITY AND WIND AT PRESSURE LEVELS
AT SEYCHELLES

Day	Surface				900 mb				850 mb				800 mb			
	1000 mb height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots
01	0066	125	93	27	002	121	90	26	004	118	65	24	2005	117	46	25
02	0076	125	90	—	000	120	74	20	002	119	53	18	2013	118	30	14
03	0087	126	87	27	005	120	83	03	008	116	77	05	2018	113	78	09
04	0067	125	93	28	005	122	71	07	006	120	62	08	2009	117	58	12
05	0060	125	92	—	000	121	81	04	002	118	74	05	1993	115	84	08
06	0073	126	88	28	004	120	78	34	009	117	74	36	2007	116	69	02
07	0085	125	91	—	000	121	80	25	006	118	83	27	2024	115	85	34
08	0064	126	88	—	000	121	75	27	009	120	65	27	2007	116	57	26
09	0051	128	75	27	006	122	62	27	018	120	52	27	1995	117	52	26
10	0061	128	74	26	007	121	72	26	014	119	60	28	2005	116	57	27
11	0061	127	85	—	000	121	82	26	013	119	59	27	2002	116	63	27
12	0048	127	87	28	012	122	72	27	019	119	70	27	1987	116	78	27
13	0045	127	79	26	010	121	83	25	016	117	78	25	1980	115	88	25
14	0058	127	81	32	003	121	68	27	018	119	70	29	1999	116	68	32
15	0052	127	81	27	009	121	62	27	021	119	69	27	2001	115	77	27
16	0055	128	79	32	005	121	70	27	016	119	76	27	1994	116	86	27
17	0050	129	77	22	010	121	85	30	017	119	81	29	1990	117	75	28
18	0067	126	90	26	003	121	75	27	005	119	73	26	2007	116	64	27
19	0068	125	91	27	002	120	82	18	007	118	84	16	2002	114	83	15
20	0058	127	87	27	008	120	80	19	007	117	85	15	1991	115	82	13
21	0057	125	94	28	002	120	88	24	011	118	87	27	1991	115	74	30
22	0058	125	96	27	002	122	68	29	009	120	52	28	2001	117	65	28
23	0072	127	84	35	003	119	89	28	012	117	86	28	2001	114	93	26
24	0073	127	85	25	006	121	67	30	016	118	68	30	2006	117	61	31
25	0090	125	86	27	015	119	88	29	023	116	81	30	2012	112	84	30
26	0081	129	47	22	017	122	60	28	021	118	63	30	2020	115	62	34
27	0079	128	70	19	007	1002	54	24	016	118	59	26	2014	114	77	26
28	0075	127	74	28	010	121	74	25	022	121	44	26	2015	117	47	27
29	0070	127	73	24	011	121	71	26	025	120	42	27	2009	116	43	25
30	0085	128	73	26	009	121	73	25	025	116	79	25	2019	116	46	26

April 1964

TABLE IX - continued
April 1964

Day	700 mb					600 mb					500 mb					400 mb				
	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Dir.	Wind Speed knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Dir.	Wind Speed knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Dir.	Wind Speed knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Dir.	Wind Speed knots
01	3128	110	35	21	003	4389	100	41	33	007	5831	093	50	04	010	7541	084	27	09	013
02	3141	112	24	20	006	4409	102	68	16	002	5860	093	67	03	013	7575	084	48	05	018
03	3140	109	54	15	007	4404	102	61	12	006	5847	092	54	08	014	7554	084	27	07	015
04	3139	111	56	15	015	4402	102	61	15	016	5854	094	46	14	016	7571	084	36	11	012
05	3115	109	78	12	010	4381	104	63	13	024	5838	095	71	12	015	7556	085	40	14	021
06	3128	109	73	07	009	4394	102	67	08	017	5850	095	45	09	017	7564	083	40	09	023
07	3146	110	45	02	011	4413	102	83	05	008	5861	094	50	11	013	7578	084	34	07	023
08	3131	110	48	23	013	4392	101	60	18	006	5833	092	60	10	011	7537	083	38	03	007
09	3121	111	47	24	011	4389	103	66	14	004	5847	095	64	08	009	7569	085	20	16	004
10	3129	111	60	26	006	4396	103	66	36	003	5848	094	62	09	008	7566	085	50	12	009
11	3125	110	54	23	011	4390	103	67	28	002	5843	094	64	35	007	7569	086	27	36	016
12	3111	110	64	24	010	4378	103	66	19	011	5834	095	67	14	010	7557	085	37	09	010
13	3104	109	81	23	005	4373	103	68	18	013	5826	094	74	17	008	7549	085	38	03	013
14	3120	110	73	02	010	4386	102	77	11	010	5837	095	63	11	010	7555	085	63	09	008
15	3115	107	69	29	021	4375	102	64	36	011	5823	093	61	03	020	7538	084	52	05	015
16	3119	112	56	29	013	4386	102	71	35	005	5836	094	56	08	007	7550	083	53	09	011
17	3116	111	64	01	003	4384	104	73	11	012	5845	096	56	09	023	7570	086	57	09	014
18	3131	110	64	13	008	4392	102	55	11	015	5838	093	59	10	019	7546	083	42	07	023
19	3120	108	74	11	011	4382	103	74	07	010	5833	093	65	05	013	7546	084	59	04	012
20	3114	110	79	03	005	4382	102	67	08	010	5840	095	62	09	010	7567	085	47	11	007
21	3112	108	77	29	015	4373	101	76	28	008	5820	093	78	34	013	7530	084	79	08	022
22	3127	110	64	24	009	4390	102	58	23	005	5843	094	57	28	006	7558	083	53	11	007
23	3122	109	79	25	010	4387	102	83	26	004	5839	094	77	27	001	7556	084	80	09	002
24	3132	110	70	28	018	4399	102	80	28	010	5852	093	75	27	007	7572	085	43	30	004
25	3125	107	79	28	022	4381	100	85	28	005	5825	093	72	24	007	7542	084	66	23	009
26	3136	108	76	28	024	4393	101	82	24	030	5840	093	77	27	018	7552	084	51	24	022
27	3136	109	54	24	023	4394	101	50	25	016	5843	094	68	28	015	7560	084	54	33	012
28	3133	108	60	25	024	4392	104	51	26	012	5849	094	51	28	006	7569	086	41	31	011
29	3128	109	50	25	022	4386	101	44	24	018	5840	095	43	33	018	7561	085	30	29	009
30	3140	110	43	26	018	4400	101	53	27	014	5848	096	33	35	017	7579	087	21	30	007

TABLE IX - HEIGHT, TEMPERATURE, HUMIDITY AND WIND AT PRESSURE LEVELS
AT SEYCHELLES (continued)

300 mb										250 mb										200 mb										150 mb									
Day	Temp. (+ 100)		Rel. hum.	Wind		Height deca- metres	Temp. (+ 100)		Height deca- metres	Wind		Temp. (+ 100)		Height deca- metres	Wind		Temp. (+ 100)		Height deca- metres	Wind		Temp. (+ 100)		Height deca- metres	Wind														
	°C	per cent		tens degs	knots		°C	tens degs		knots	°C	tens degs	knots		°C	tens degs	knots	°C		tens degs	knots	°C	tens degs		knots														
01	0965	069	40	03	007	1092	060	03	013	03	014	1421	034	31	009																								
02	0968	069	51	05	010	1094	057	01	012	01	012	1241	046	34	004																								
03	0965	067	32	07	026	1092	059	05	011	05	011	1239	047	33	005																								
04	0968	070	38	08	031	1095	060	08	010	08	010	1243	047	33	005																								
05	0967	069	38	13	011	1093	059	17	007	17	007	1241	047	21	015																								
06	0967	069	26	13	018	1093	059	14	020	14	020	1241	046	17	017																								
07	0968	070	29	12	020	1095	059	11	021	11	021	1244	049	12	016																								
08	0964	070	39	11	023	1091	059	12	027	12	027	1240	050	14	020																								
09	0967	069	31	11	023	1094	060	11	023	11	023	1243	047	11	018																								
10	0967	069	71	11	008	1094	059	10	015	10	015	1241	047	05	020																								
11	0969	070	37	12	009	1096	061	10	013	10	013	1245	050	05	029																								
12	0967	070	44	05	007	1095	060	08	014	08	014	1243	049	03	019																								
13	0968	073	62	05	016	1096	062	06	020	06	020	1246	048	03	021																								
14	0966	069	45	11	005	1093	059	14	011	14	011	1240	046	12	018																								
15	0965	069	42	05	016	1091	059	08	018	08	018	1239	047	15	022																								
16	0965	069	34	11	028	1092	059	12	017	12	017	1239	045	10	029																								
17	0969	071	36	11	018	1097	061	10	018	10	018	1246	049	08	021																								
18	0964	069	25	06	019	1091	059	08	016	08	016	1239	049	12	043																								
19	0966	070	40	11	020	1093	060	13	021	13	021	1242	048	13	028																								
20	0968	071	33	08	017	1096	060	10	018	10	018	1244	047	14	022																								
21	0964	070	65	11	026	1092	061	11	025	11	025	1240	048	12	031																								
22	0966	068	40	11	015	1092	056	11	016	11	016	1237	045	11	009																								
23	0967	070	71	32	001	1094	059	29	009	29	009	1242	046	25	012																								
24	0968	069	61	21	009	1095	060	17	010	17	010	1243	047	17	010																								
25	0965	068	61	23	017	1091	056	24	013	24	013	1238	048	23	016																								
26	0960	070	42	21	012	1093	059	16	013	16	013	1240	047	15	017																								
27	0966	068	34	18	016	1092	057	14	009	14	009	1240	048	06	033																								
28	0969	069	32	11	008	1097	062	06	025	06	025	1247	050	05	030																								
29	0968	069	32	08	008	1095	061	07	017	07	017	1244	050	08	039																								
30	0970	069	22	05	006	1097	059	09	020	09	020	1245	048	06	021																								

April 1964

April 1964

TABLE IX -- continued

Day	100 mb					70 mb					50 mb					30 mb					Tropopause		Radar Comp. above mb	Remarks
	Height deca- metres	Temp. (+ 100) °C	tens deg	Dir.	Speed knots	Height deca- metres	Temp. (+ 100) °C	tens deg	Dir.	Speed knots	Height deca- metres	Temp. (+ 100) °C	tens deg	Dir.	Speed knots	Height deca- metres	Temp. (+ 100) °C	tens deg	Dir.	Speed knots	Pres- sure mb	Temp. (+ 100) °C		
01	1658	021	24	002	008	1858	020	33	008		2057	038	24	019		2375	042				080	013	100	Tropopause not defined
02	1654	016	03	021	007	1855	026	20	007												085	012	400	
03	1656	020	28	016	020	1853	012	10	020		2048	032	30	012							071	011		
04	1659	018	05	012	004	1857	022	09	004		2050	032	31	014		2361	036				078	012		
05			12	009	000																			
06	1652	015	18	026																	095	013		
07	1660	018	36	008	015	1857	018	14	015		2054	032									083	013	200	Tropopause not defined
08	1658	020	35	010	009	1855	013	05	009												085	014	300	
09	1662	023	04	008	007	1862	014	31	007	020	2059	036	27	020							070	014		
10	1658	021	26	003	008	1856	018	15	008	020	2051	033	27	020							075	012	100	
11	1665	020	03	017	009	1865	023	09	009												091	016	200	
12	1662	020	05	018	007	1861	022	21	007												090	016	200	
13																								Tropopause not defined
14	1653	015	35	015	012	1853	024	20	012		2055	038	25	020							098	014	250	
15	1651	017	06	033																	080	012	100	
16																								
17	1661	014	06	024		1863	030														093	011	170	
18	1652	013	09	024																	095	012	350	
19	1660	019	10	022		1863	026														094	017	250	Tropopause not defined
20	1658	017	09	031																	100	017	150	
21	1657	022	03	022	014	1858	028	27	014												083	015		
22	1647	014	08	017	010	1846	021	13	010		2047	036									096	013		
23	1651	016	08	028	017	1851	021	03	017		2050	033									104	015		
24	1655	019	05	025	014	1857	021	36	014												114	018	150	
25	1655	022	05	036																				Tropopause not defined
26			12	013																				
27	1654	017	10	025	007	1849	009	16	007		2045	035									072	008		
28	1667	023	11	013	006	1869	024	17	006												077	015	200	
29	1667	022	11	005		1867	013				2058	030				2367	034				065	011		
30	1664	018	10	016	023	1864	029	09	023												087	015		

TABLE IX - HEIGHT, TEMPERATURE, HUMIDITY AND WIND AT PRESSURE LEVELS
AT SEYCHELLES

Day	Surface										900 mb					850 mb					800 mb					May 1964
	Temp. Rel. (+ 100) hum.			Wind Dir. Speed		Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. tens degs	Wind Speed knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. tens degs	Wind Speed knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. tens degs	Wind Speed knots						
	°C	per cent	tens degs																							
01	0077	127	66	20	010	0995	119	68	23	022	1486	118	50	23	032	2006	117	40	24	036						
02	0079	127	68	18	011	1001	118	77	21	021	1493	121	48	21	028	2014	117	50	22	034						
03	0086	127	71	11	007	1004	118	72	18	017	1494	117	50	21	017	2013	117	29	25	028						
04	0093	124	88	—	000	1016	119	82	17	009	1506	116	88	18	013	2020	114	58	20	019						
05	0084	123	82	—	000	1001	119	62	20	008	1491	116	51	21	012	2004	114	35	24	019						
06	0074	127	75	28	004	0996	119	80	25	017	1487	117	78	25	017	2004	117	26	27	014						
07	0064	127	82	25	008	0988	120	85	27	014	1479	118	87	26	014	1997	116	66	25	016						
08	0075	125	91	31	002	0998	121	86	27	007	1490	117	82	27	007	2006	114	88	28	008						
09	0084	127	68	20	006	1007	120	75	26	009	1498	116	78	28	016	2014	115	46	28	019						
10	0093	127	74	16	008	1012	118	87	20	014	1503	118	37	19	012	2020	115	35	17	010						
11	0103	127	76	19	013	1027	120	82	18	010	1517	116	80	20	008	2033	115	53	26	007						
12	0099	127	79	15	006	1021	119	82	14	015	1511	118	66	12	011	2027	114	66	25	006						
13	0093	126	74	21	007	1012	119	79	—	—	1502	116	83	—	—	2016	113	82	—	—						
14	0097	126	71	21	010	1019	119	82	15	008	1508	116	81	26	007	2022	114	60	26	017						
15	0087	123	90	—	000	1005	119	74	23	007	1495	116	84	25	009	2009	114	64	27	026						
16	0087	126	83	18	005	1008	119	87	19	011	1498	116	86	21	012	2013	114	84	24	013						
17	0092	125	94	—	000	1013	119	88	23	004	1504	117	85	24	005	2021	115	65	23	008						
18	0089	126	82	15	008	1011	119	85	17	011	1501	116	85	13	007	2015	113	85	12	008						
19	0094	125	93	—	000	1016	120	86	19	003	1507	117	75	15	008	2024	115	66	15	008						
20	0087	127	86	15	004	1011	120	88	11	017	1502	117	76	11	016	2021	116	59	11	006						
21	0086	127	84	14	007	1008	119	88	11	017	1499	118	80	11	017	2016	116	63	13	011						
22	0085	127	80	13	004	1009	120	81	12	022	1502	118	69	12	020	2020	118	42	13	011						
23	0090	125	88	23	003	1013	119	83	13	013	1504	118	69	13	010	2022	115	84	16	004						
24	0088	127	86	16	004	1012	120	92	15	016	1504	118	89	15	015	2024	117	63	16	008						
25	0085	125	94	16	003	1006	120	88	09	013	1499	119	77	11	009	2017	115	72	16	006						
26	0084	125	90	—	000	1003	118	92	10	013	1493	117	85	09	014	2009	114	77	08	014						
27	0083	125	91	19	002	1005	119	83	12	018	1495	117	77	12	015	2011	116	56	11	010						
28	0084	125	89	—	000	1006	119	76	12	014	1497	118	56	11	012	2017	116	51	11	009						
29	0086	126	87	13	002	1009	119	87	14	013	1500	118	72	12	011	2017	115	63	11	010						
30	0086	127	81	14	006	1009	120	80	11	019	1499	117	89	11	017	2016	116	59	10	010						
31	0088	124	95	29	002	1010	121	80	11	013	1503	118	71	11	009	2022	115	66	11	007						

TABLE IX - continued
May 1964

Day	700 mb				600 mb				500 mb				400 mb			
	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots
01	3129	109	47	25 030	4387	102	43	28 031	5841	096	25	31 013	7563	085	27	12 002
02	3132	108	49	26 032	4389	101	46	27 030	5839	094	38	32 012	7552	083	20	10 005
03	3143	110	27	26 033	4400	100	27	27 032	5844	093	22	29 006	7548	082	52	07 014
04	3146	111	28	25 024	4414	104	28	32 016	5873	095	18	28 003	7587	084	39	13 010
05	3130	111	37	28 017	4395	104	38	31 009	5855	094	42	31 007	7570	086	23	13 022
06	3132	109	50	29 015	4389	102	45	22 004	5834	093	29	20 005	7541	083	27	09 020
07	3122	109	44	26 017	4381	103	22	22 019	5842	097	15	09 011	7564	084	26	11 015
08	3128	110	58	24 014	4393	103	49	24 013	5851	095	12	14 002	7565	084	30	12 020
09	3139	111	27	28 019	4403	103	28	27 016	5860	095	40	09 006	7580	085	33	20 007
10	3130	107	28	30 010	4388	103	32	30 006	5837	093	24	14 012	7534	079	28	15 011
11	3156	111	33	30 007	4425	103	24	09 004	5882	095	33	12 009	7597	084	24	22 007
12	3149	109	23	27 009	4407	101	18	29 007	5849	093	18	11 016	7555	083	58	12 018
13	3135	111	20	—	4403	101	34	—	5848	093	56	—	7562	084	38	—
14	3143	112	17	013	4409	103	16	015	5860	095	34	26 013	7574	084	23	05 006
15	3130	109	50	27 028	4397	105	07	23 010	5857	094	43	23 007	7581	085	29	03 006
16	3135	111	20	24 030	4400	103	04	17 009	5853	094	23	15 008	7569	084	12	09 006
17	3145	110	17	22 015	4410	104	40	10 010	5869	097	23	11 008	7603	088	21	08 010
18	3131	109	85	13 012	4393	101	88	10 010	5838	092	67	08 004	7540	082	68	08 008
19	3142	109	87	15 007	4400	101	67	11 012	5850	094	49	09 005	7567	084	63	09 002
20	3144	110	57	11 005	4407	102	45	13 011	5856	094	40	12 007	7569	084	25	03 001
21	3136	109	70	13 007	4399	101	58	12 005	5846	092	72	14 007	7556	084	24	08 006
22	3145	109	63	10 006	4404	102	73	09 004	5854	094	51	11 007	7578	085	32	07 008
23	3150	110	67	06 005	4417	103	57	10 008	5870	094	50	13 011	7592	085	37	13 007
24	3149	110	49	16 003	4412	102	68	12 007	5865	093	80	13 010	7582	085	30	03 002
25	3140	110	66	17 008	4403	102	69	12 007	5852	094	79	15 014	7572	085	75	17 006
26	3128	108	81	09 008	4387	101	73	13 012	5830	092	77	14 005	7538	084	83	21 001
27	3133	109	72	09 010	4396	103	45	09 011	5847	093	77	34 004	7560	084	64	01 011
28	3140	110	39	09 008	4406	102	40	12 005	5858	095	29	11 007	7574	083	70	01 006
29	3136	109	57	10 010	4398	102	40	07 005	5853	094	30	13 008	7561	082	50	35 006
30	3139	110	38	08 010	4402	102	39	07 003	5854	094	34	10 014	7573	085	28	32 008
31	3143	109	54	11 003	4406	103	25	07 006	5859	094	30	07 007	7569	083	24	01 006

TABLE IX - HEIGHT, TEMPERATURE, HUMIDITY AND WIND AT PRESSURE LEVELS
AT SEYCHELLES (continued)

May 1964																				
Day	300 mb					250 mb					200 mb					150 mb				
	Height	Temp. (+ 100)	Rel. hum.	Wind	Speed	Height	Temp. (+ 100)	Wind	Speed	Height	Temp. (+ 100)	Wind	Speed	Height	Temp. (+ 100)	Wind	Speed			
	deca- metres	°C	per cent	tens degs	knots	deca- metres	°C	tens degs	knots	deca- metres	°C	tens degs	knots	deca- metres	°C	tens degs	knots			
01	0968	071	32	11	010	1096	061	04	025	1246	050	05	038	1429	039	09	016			
02	0965	069	38	04	013	1091	059	04	019	1239	048	04	029	1418	036	07	052			
03	0964	067	29	08	018	1089	055	05	021	1234	042	05	034	1409	029	07	062			
04	0970	069	25	14	012	1097	057	14	010	1243	046	10	020	1422	032	08	061			
05	0968	068	44	13	022	1094	059	11	017	1242	047	08	037	1422	035	09	060			
06	0964	068	28	11	014	1090	058	09	028	1237	045	08	046	1416	033	09	063			
07	0967	068	26	09	012	1093	059	07	027	1241	047	08	036	1420	032	09	054			
08	0967	068	31	25	004	1093	059	31	016	1240	046	06	024	1419	033	07	045			
09	0969	069	34	24	007	1095	059	28	020	1243	046	04	006	1422	033	07	054			
10	0960	066	26	26	021	1086	059	24	020	1233	044	28	004	1411	033	06	050			
11	0971	070	22	24	007	1098	061	17	007	1246	047	13	013	1425	031	07	041			
12	0965	067	42	06	013	1090	056	05	015	1236	044	06	032	1412	028	07	039			
13	0967	068	24	—	—	1093	058	—	—	1240	045	—	—	1418	030	—	—			
14	0967	067	35	06	015	1094	058	07	015	1241	046	06	025	1419	032	06	037			
15	0969	070	31	06	014	1095	058	05	021	1243	049	05	042	1424	033	08	052			
16	0967	067	17	06	020	1093	057	05	032	1240	046	07	030	1418	030	06	032			
17	0973	070	24	10	015	1100	061	09	018	1249	049	09	032	1429	033	07	043			
18	0964	069	61	10	013	1090	059	11	015	1239	049	07	018	1420	034	12	025			
19	0967	068	28	11	009	1093	058	10	018	1240	045	07	027	1419	031	06	032			
20	0968	068	22	06	015	1094	059	06	019	1242	048	05	035	1422	033	32	034			
21	0966	068	31	05	024	1092	058	05	034	1240	048	04	027	1420	034	30	022			
22	0968	069	27	05	019	1095	060	30	018	1244	049	25	021	1425	032	27	016			
23	0970	071	35	27	006	1098	060	25	008	1246	048	24	020	1427	034	22	030			
24	0969	069	17	20	017	1095	059	19	017	1242	046	20	019	1421	032	35	003			
25	0969	071	55	20	011	1097	061	19	009	1246	048	33	016	1427	035	35	016			
26	0965	070	62	29	004	1092	060	21	008	1240	048	24	007	1420	033	34	011			
27	0966	068	63	01	013	1093	059	01	013	1240	046	31	004	1417	030	05	011			
28	0967	068	44	09	006	1093	057	06	005	1239	045	05	014	1417	032	06	028			
29	0966	067	22	09	014	1092	058	09	013	1239	046	05	027	1419	035	05	016			
30	0967	068	26	04	016	1094	059	04	006	1242	046	04	026	1422	036	07	010			
31	0967	069	14	26	006	1094	057	19	004	1241	045	02	014	1418	030	05	017			

TABLE IX -- continued

May 1964

Day	100 mb			70 mb			50 mb			30 mb			Tropopause	Radar Comp. above mb	Remarks
	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Pres- sure mb		
01	1672	024	10 023	1873	016	—	2062	030	—	2366	031	—	058 012	111	
02	1656	021	09 018	1856	026	28 024							080 013		
03	1643	019	09 015	1845	023	27 019							092 016		
04	1658	020	09 019	1860	024	17 011	2065	037					080 016		
05	1660	020	11 023	1859	020	33 008	2060	034	24 018				082 015		
06	1651	020	01 010	1850	022	09 017	2053	036					088 017		
07	1656	020	06 006	1858	027	29 007							082 014	158	
08	1656	020	11 004	1861	028	26 007	2066	039	26 014				095 019		
09	1660	023	27 012	1862	021	32 007	2061	036	25 029				074 017		
10	1648	020	26 017	1847	019	03 007	2046	034	26 014				078 013		
11	1659	019	24 016	1863	027	03 003							089 017		
12	1644	016	12 022	1841	026	31 004	2038	029	27 008				089 012		
13	1652	019											101 018	195	Tropopause not defined
14	1656	024	06 019	1861	024	21 006	2062	035	32 022				089 020		
15	1662	024	03 008	1866	026	20 003	2068	036	28 014				087 021		
16	1655	020	19 010										099 019	204	Tropopause not defined
17	1667	022	12 007	1867	015	02 014	2064	034	31 011				070 015		
18	1660	023	02 012	1862	021	27 007							089 019		
19	1654	020	29 010	1859	030	21 014							084 016	102	Tropopause not defined
20	1657	017	27 014	1858	028	27 016	2060	036	26 023				090 012		
21	1655	017	27 013	1854	024	10 005							098 016		
22	1659	018	22 015	1858	026	08 008	2058	034	31 024				095 015		
23	1664	020	07 014	1869	031	27 013	2075	038	29 031				091 017		
24	1657	019	34 011	1858	029	25 015							095 017		
25	1663	018	06 016	1869	021	25 008							098 018	102	Tropopause not defined
26	1659	023	07 011										086 019		
27	1650	018	07 019	1853	033	26 022	2055	032					087 015		
28	1653	019	15 002	1855	030	25 017							087 014		
29	1655	017	35 010	1855	028	36 004	2056	031					093 015		
30	1658	017	36 013	1861	027	34 009							098 016		
31	1651	023	05 017	1859	034	26 006							111 017		

TABLE IX - HEIGHT, TEMPERATURE, HUMIDITY AND WIND AT PRESSURE LEVELS
AT SEYCHELLES

Day	Surface				900 mb				850 mb				800 mb			
	1000 mb height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots
01	0093	124	92	17 002	1014	119	81	13 006	1505	118	64	10 003	2022	115	70	06 002
02	0100	127	83	16 006	1022	119	78	16 011	1513	117	66	17 005	2030	115	52	22 003
03	0093	126	79	18 015	1009	119	84	13 012	1502	120	52	09 008	2022	116	63	14 008
04	0096	127	82	18 004	1019	120	82	14 014	1509	117	81	14 013	2025	114	75	14 010
05	0103	126	83	18 007	1021	119	77	15 013	1510	115	83	15 011	2024	115	31	16 006
06	0103	126	75	17 007	1021	118	90	15 017	1511	117	62	15 018	2027	115	58	15 016
07	0094	124	87	— 000	1012	119	72	16 011	1502	116	81	16 014	2018	115	60	15 015
08	0079	126	83	15 009	0999	119	95	17 010	1489	116	89	18 007	2005	116	53	17 008
09	0085	124	85	15 004	1004	118	81	13 011	1495	121	28	17 008	2016	117	23	22 009
10	0092	124	88	16 004	1009	117	87	21 008	1498	116	76	21 009	2011	113	61	24 009
11	0091	122	84	28 005	1007	119	67	19 007	1495	115	65	18 007	2008	114	33	16 007
12	0085	123	89	26 002	1007	120	65	13 008	1498	117	77	13 010	2015	115	68	13 015
13	0081	125	86	— 000	1003	119	82	12 007	1493	117	83	11 015	2009	115	85	11 013
14	0091	124	96	000	1013	120	76	10 014	1504	117	84	10 019	2022	116	58	09 016
15	0098	125	86	08 011	1015	118	86	10 018	1503	117	75	12 023	2020	114	69	13 022
16	0091	127	80	19 006	1014	120	73	13 022	1505	117	65	13 021	2022	115	69	13 016
17	0094	127	79	14 010	1014	118	83	11 028	1504	118	45	12 027	2021	117	23	13 026
18	0088	126	72	15 007	1003	117	83	13 023	1492	118	28	12 029	2009	116	21	12 025
19	0073	127	82	12 010	0993	119	80	11 020	1483	117	76	11 023	1999	115	56	12 020
20	0079	124	87	12 015	0995	120	81	13 016	1487	118	59	16 007	2004	115	64	15 003
21	0087	126	79	13 004	1006	118	75	14 018	1496	117	49	14 020	2012	114	58	14 018
22	0083	125	81	14 003	1002	118	85	13 018	1491	116	89	15 016	2006	114	78	18 012
23	0079	125	78	15 004	0996	118	75	14 024	1486	116	66	15 021	2000	113	64	19 015
24	0070	126	76	15 005	0990	118	84	14 019	1478	115	78	13 021	1992	114	76	12 017
25	0070	126	79	16 014	0988	118	87	15 023	1478	118	68	14 020	1997	115	59	18 011
26	0067	126	79	17 014	0988	119	90	18 018	1478	116	90	17 022	1995	116	50	22 008
27	0074	124	93	— 000	0993	119	85	17 008	1485	118	59	17 010	2001	114	67	20 012
28	0075	123	93	— 000	0996	120	85	12 008	1486	117	88	10 008	2002	116	45	11 005
29	0077	126	83	13 009	0993	119	88	13 022	1484	117	78	13 025	2002	115	73	13 022
30	0091	127	77	14 066	1014	119	86	14 025	1504	117	87	12 028	2021	117	59	11 022

June 1964

TABLE IX - continued

June 1964

Day	700 mb					600 mb					500 mb					400 mb				
	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. tens degs	Wind Speed knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. tens degs	Wind Speed knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. tens degs	Wind Speed knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. tens degs	Wind Speed knots
01	3143	109	54	04	005	4404	102	29	04	008	5857	093	43	17	010	7557	082	44	35	009
02	3146	109	46	24	002	4401	100	52	11	004	5844	093	42	14	006	7548	082	33	15	001
03	3150	110	49	23	009	4408	101	40	16	006	5852	092	44	17	009	7552	082	48	13	009
04	3146	108	79	19	007	4405	101	33	16	015	5849	093	37	18	007	7558	083	24	11	014
05	3143	110	26	16	008	4401	101	26	20	023	5839	092	28	31	011	7545	083	38	07	011
06	3147	110	38	15	012	4410	102	30	18	015	5861	092	55	25	013	7577	085	48	35	013
07	3134	109	44	15	016	4395	102	24	21	012	5839	093	18	20	010	7549	083	26	29	011
08	3130	110	20	20	008	4385	102	17	25	009	5835	094	09	20	008	7551	085	10	26	012
09	3134	108	30	26	022	4392	101	14	17	007	5837	095	12	25	007	7557	084	13	32	009
10	3125	110	16	20	007	4388	102	11	19	008	5842	095	07	27	013	7563	085	05	22	004
11	3126	110	19	20	005	4388	102	17	23	008	5837	093	11	22	009	7542	084	11	13	008
12	3139	110	42	11	006	4407	102	24	25	011	5852	093	20	35	010	7561	083	25	06	013
13	3133	110	56	12	012	4399	102	18	26	011	5841	093	13	05	006	7554	083	40	04	013
14	3147	109	67	15	011	4414	103	43	22	012	5869	095	49	07	005	7594	084	30	31	007
15	3137	108	66	14	017	4387	100	71	19	008	5825	091	73	23	018	7528	082	72	20	012
16	3141	109	36	11	019	4396	101	66	13	004	5835	093	40	18	009	7538	081	41	27	012
17	3141	108	35	14	022	4392	100	58	20	005	5837	095	33	15	007	7544	081	26	21	016
18	3128	108	33	17	012	4386	101	40	22	004	5830	095	12	13	007	7540	081	15	22	022
19	3115	109	57	22	006	4376	101	25	27	008	5821	094	12	15	011	7528	082	14	15	009
20	3121	107	76	09	014	4370	099	77	07	009	5809	092	74	05	009	7512	082	68	07	011
21	3130	108	65	24	014	4384	100	66	24	015	5822	092	35	22	004	7519	080	38	32	004
22	3122	109	48	24	017	4385	101	35	27	021	5830	095	20	15	005	7543	083	28	22	010
23	3112	107	56	21	020	4374	102	28	31	005	5822	094	13	14	006	7522	082	26	07	005
24	3109	109	08	11	011	4371	103	08	17	005	5825	095	18	06	001	7535	083	26	09	019
25	3115	109	34	30	007	4378	102	07	05	007	5833	096	17	09	017	7553	083	20	07	018
26	3119	110	11	25	015	4381	101	39	05	007	5826	095	40	08	010	7538	083	28	05	014
27	3123	110	33	22	018	4383	100	48	13	011	5835	096	36	10	008	7555	084	40	03	010
28	3125	110	34	24	011	4391	103	46	04	009	5846	095	58	10	014	7568	084	38	10	007
29	3125	109	54	17	006	4389	102	67	34	005	5833	092	49	04	006	7537	082	60	05	011
30	3147	109	64	10	018	4405	102	58	10	006	5847	092	78	16	005	7548	081	80	13	022

TABLE IX - HEIGHT, TEMPERATURE, HUMIDITY AND WIND AT PRESSURE LEVELS
AT SEYCHELLES (continued)

June 1966																				
Day	300 mb					250 mb					200 mb					150 mb				
	Height	Temp. (+ 100)	Rel. hum.	Wind Dir.	Wind Speed	Height	Temp. (+ 100)	Wind Dir.	Wind Speed	Height	Temp. (+ 100)	Wind Dir.	Wind Speed	Height	Temp. (+ 100)	Wind Dir.	Wind Speed			
	deca- metres	°C	per cent	tens degs	knots	deca- metres	°C	tens degs	knots	deca- metres	°C	tens degs	knots	deca- metres	°C	tens degs	knots			
01	0965	067	23	14	004	1090	055	12	009	1236	043	05	015	1412	028	05	025			
02	0964	067	22	11	013	1090	057	09	006	1236	045	04	016	1414	030	07	020			
03	0964	067	47	13	018	1089	056	09	017	1235	045	05	028	1414	034	03	010			
04	0965	066	24	09	021	1090	056	03	020	1237	046	07	023	1415	030	11	011			
05	0964	068	44	04	018	1090	059	06	024	1238	047	11	022	1418	034	05	017			
06	0969	070	37	11	005	1096	060	06	029	1245	048	09	008	1425	034	33	012			
07	0966	071	17	06	011	1094	062	08	007	1243	049	08	009	1424	034	09	011			
08	0966	070	13	07	013	1094	059	09	017	1241	046	06	030	1420	032	08	045			
09	0966	067	20	02	009	1092	058	08	021	1239	045	07	036	1417	031	07	036			
10	0967	068	24	11	005	1093	057	07	020	1240	045	06	041	1417	031	06	070			
11	0964	066	37	12	014	1089	056	10	025	1236	046	08	048	1416	035	05	061			
12	0965	066	23	13	020	1090	056	11	031	1236	044	09	042	1413	031	08	064			
13	0964	066	51	10	023	1090	057	10	017	1236	045	09	022	1415	033	09	056			
14	0969	067	43	07	011	1095	056	07	028	1241	045	07	041	1419	034	09	061			
15	0962	067	66	13	012	1087	055	12	010	1232	042	03	025	1408	031	06	054			
16	0961	065	50	06	005	1086	055	15	005	1231	042	07	013	1406	029	07	075			
17	0961	063	37	19	007	1085	054	08	009	1230	043	05	032	—	—	05	063			
18	0962	066	18	12	003	1086	055	06	023	1232	044	06	044	1410	037	07	070			
19	0961	066	16	16	006	1087	056	23	005	1232	042	04	024	1408	035	07	043			
20	0960	067	60	09	017	1086	057	09	016	1232	045	07	025	1410	032	06	049			
21	0959	065	53	09	010	1084	055	09	027	1229	043	03	030	1406	032	08	061			
22	0963	067	35	05	008	1089	058	08	018	1237	047	05	033	1417	035	06	084			
23	0961	067	25	09	033	1086	054	08	034	1230	042	07	061	1406	029	06	088			
24	0963	068	33	09	041	1089	056	07	045	1235	045	06	070	1413	031	—	—			
25	0964	067	23	09	044	1090	057	09	052	1237	045	06	062	1414	031	09	062			
26	0963	067	47	10	038	1089	058	09	045	1236	045	07	065	1414	031	09	059			
27	0966	070	27	11	027	1093	060	10	033	1241	049	10	033	1422	034	07	045			
28	0967	069	32	11	030	1094	059	08	035	1241	046	07	044	1420	032	08	070			
29	0963	066	58	11	027	1088	055	08	030	1233	043	07	046	1408	027	06	069			
30	0963	067	74	08	018	1089	056	07	033	1234	043	07	053	1411	031	07	086			

TABLE IX -- continued
June 1964

Day	100 mb				70 mb				50 mb				30 mb				Tropopause		Radar Comp. above mb	Remarks
	Temp. (+ 100)		Dir.	Speed	Temp. (+ 100)		Dir.	Speed	Temp. (+ 100)		Dir.	Speed	Temp. (+ 100)		Dir.	Speed				
	Height deca- metres	°C			°C	tens degs			knots	Height deca- metres			°C	tens degs			knots	Height deca- metres		
01	1642	017	11	026	1841	026	03	009	2046	038	27	038					085	014		
02	1647	018	09	016	1854	031	31	022	2059	039							100	018		
03	1651	019	17	014	1854	027	27	016	2055	033	26	026					088	015		
04	1646	019	09	016													111	017		
05	1655	019	35	009	1857	029	25	013	2061	035	28	020					090	014	133	
06	1661	018	06	020	1865	029	26	014	—	—	27	017					100	018	239	
07	1660	020	09	018	1865	029	24	014	2068	037	28	017					092	018		
08	1654	022	10	028	1860	028	27	016									107	018		
09	1653	021	07	036	1857	024	27	015	2057	032	—	—					095	020		
10	1654	022	02	007	1858	024	28	020	2060	037	26	027	2370	039	—		087	020	298	
11	1654	022	11	025	1857	023	32	009									103	021		
12	1650	022	07	016	1859	031	25	021	2066	041							103	021		
13	1655	025	03	010	1862	025	24	020	2064	036							099	025	145	
14	1659	026	22	007	1868	028	25	023	2072	038	28	030					133	028	328	
15	1646	023	27	009													086	021		Tropopause not defined
16	1645	025	23	010	1855	031	26	024	—	—							147	028		
17			20	017			23	017	—	—	23	017					—	—	150	
18	1652	025	11	011	1860	031	28	018	2068	042	23	014					107	024		
19	1646	021	07	013	—	—	02	008	—	—	27	025					—	—		Tropopause not defined
20	1649	025	11	003													117	026		
21	1642	023	11	006	1854	033	27	030									122	023		
22	1658	029	12	015	1871	028	29	015	2076	040	27	030	2397	045	28	021	115	027		
23	1641	019	08	014	1847	028											100	019		
24	1650	027	—	—	1856	029	—	—	2061	036							116	023		
25	1651	026	09	010	1860	032	—	—	2068	044							125	024		
26	1649	027	05	022	1854	025	04	015									120	021		
27	1660	027	07	010	1870	031	27	014									106	023		
28	1657	023	10	012	1865	032	28	034									122	023		
29	1644	025	12	010													137	024		
30	1650	025	13	026	1860	030	27	020									132	026	097	

TABLE IX - HEIGHT, TEMPERATURE, HUMIDITY AND WIND AT PRESSURE LEVELS
AT SEYCHELLES

Day		1000 mb height										Surface						900 mb						850 mb						800 mb							
		Temp. (+ 100)			Rel. hum.			Wind Dir. Speed			Temp. (+ 100)			Rel. hum.			Wind Dir. Speed			Temp. (+ 100)			Rel. hum.			Wind Dir. Speed			Temp. (+ 100)			Rel. hum.			Wind Dir. Speed		
		°C	per cent	tens degs	knots	°C	per cent	tens degs	knots	metres	°C	per cent	tens degs	knots	metres	°C	per cent	tens degs	knots	metres	°C	per cent	tens degs	knots	metres	°C	per cent	tens degs	knots	metres	°C	per cent	tens degs	knots			
01	0099	126	79	15	013	1017	118	86	12	029	1507	116	73	12	027	2023	114	73	12	027	2023	114	73	12	019	2020	118	26	14	026	2020	118	26	14	026		
02	0089	126	76	14	009	1011	120	74	15	027	1501	117	79	15	030	2020	118	26	14	026	2020	118	26	14	026	1995	113	82	16	016	1995	113	82	16	016		
03	0085	124	86	10	007	0998	117	88	15	007	1484	114	72	15	029	2020	114	67	21	010	2020	114	67	21	010	2020	114	67	21	010	2020	114	67	21	010		
04	0095	125	74	17	007	1011	119	49	15	018	1503	118	53	17	014	2020	114	62	16	013	2020	114	62	16	013	2016	114	62	16	013	2016	114	62	16	013		
05	0096	126	79	13	008	1012	119	79	13	018	1501	117	72	13	022	2001	115	46	13	023	2001	115	46	13	023	2001	115	46	13	023	2001	115	46	13	023		
06	0087	125	79	14	006	0997	118	84	13	023	1485	117	55	12	025	2001	115	46	13	023	2001	115	46	13	023	2001	115	46	13	023	2001	115	46	13	023		
07	0083	126	77	15	007	1002	119	77	17	020	1490	115	86	16	020	2001	113	69	16	022	2001	113	69	16	022	2001	113	69	16	022	2001	113	69	16	022		
08	0084	125	74	18	009	0998	117	77	19	027	1484	114	73	19	028	2001	111	61	20	027	2001	111	61	20	027	2001	111	61	20	027	2001	111	61	20	027		
09	0087	125	71	21	013	1003	118	71	20	017	1490	114	80	19	014	2001	111	71	18	014	2001	111	71	18	014	2001	111	71	18	014	2001	111	71	18	014		
10	0092	124	88	17	014	1012	120	89	17	031	1504	118	88	17	028	2022	116	82	17	023	2022	116	82	17	023	2022	116	82	17	023	2022	116	82	17	023		
11	0099	125	79	15	005	1010	118	78	16	027	1496	114	85	17	025	2009	112	63	17	020	2009	112	63	17	020	2009	112	63	17	020	2009	112	63	17	020		
12	0093	124	87	22	012	1005	118	89	16	026	1493	115	86	15	019	2005	113	77	19	014	2005	113	77	19	014	2005	113	77	19	014	2005	113	77	19	014		
13	0104	124	85	12	009	1016	117	88	15	023	1502	114	85	15	023	2013	112	77	17	018	2013	112	77	17	018	2013	112	77	17	018	2013	112	77	17	018		
14	0105	125	82	15	009	1016	117	87	15	018	1502	115	76	11	016	2014	112	70	11	015	2014	112	70	11	015	2014	112	70	11	015	2014	112	70	11	015		
15	0092	123	94	-	000	1003	117	81	11	019	1489	114	94	13	016	2001	113	74	15	017	2001	113	74	15	017	2001	113	74	15	017	2001	113	74	15	017		
16	0099	125	88	14	012	1015	118	97	13	025	1503	115	85	12	026	2016	113	83	14	022	2016	113	83	14	022	2016	113	83	14	022	2016	113	83	14	022		
17	0104	125	78	16	008	1021	118	89	14	018	1508	115	73	14	020	2024	116	30	16	017	2024	116	30	16	017	2024	116	30	16	017	2024	116	30	16	017		
18	0103	124	87	28	002	1015	117	87	15	013	1502	115	84	15	013	2014	113	78	17	015	2014	113	78	17	015	2014	113	78	17	015	2014	113	78	17	015		
19	0094	125	81	16	004	1005	116	75	14	015	1493	117	66	12	011	2006	112	57	13	009	2006	112	57	13	009	2006	112	57	13	009	2006	112	57	13	009		
20	0084	125	85	17	005	0999	117	99	15	017	1486	115	92	16	017	1999	113	65	16	012	1999	113	65	16	012	1999	113	65	16	012	1999	113	65	16	012		
21	0077	125	90	12	007	0992	118	87	15	015	1482	117	77	16	017	1998	114	91	17	010	1998	114	91	17	010	1998	114	91	17	010	1998	114	91	17	010		
22	0088	125	84	13	015	1001	118	75	13	031	1491	117	79	13	026	2006	114	73	09	010	2006	114	73	09	010	2006	114	73	09	010	2006	114	73	09	010		
23	0093	124	81	16	008	1005	117	90	14	024	1492	115	89	14	021	2008	115	61	14	014	2008	115	61	14	014	2008	115	61	14	014	2008	115	61	14	014		
24	0086	125	80	19	007	0999	118	80	13	020	1485	114	82	13	021	1996	115	40	12	014	1996	115	40	12	014	1996	115	40	12	014	1996	115	40	12	014		
25	0074	125	80	14	010	0990	118	80	14	019	1479	117	74	14	016	1997	116	59	15	011	1997	116	59	15	011	1997	116	59	15	011	1997	116	59	15	011		
26	0079	125	84	13	006	0996	118	87	14	023	1485	116	86	15	023	2000	115	75	15	020	2000	115	75	15	020	2000	115	75	15	020	2000	115	75	15	020		
27	0085	125	84	13	010	1002	118	90	12	024	1493	120	31	14	018	2015	118	11	17	014	2015	118	11	17	014	2015	118	11	17	014	2015	118	11	17	014		
28	0086	125	83	16	006	0999	118	85	12	016	1489	117	79	12	017	2005	114	72	13	010	2005	114	72	13	010	2005	114	72	13	010	2005	114	72	13	010		
29	0085	125	84	15	003	1004	119	87	15	018	1495	118	81	15	017	2010	115	76	15	012	2010	115	76	15	012	2010	115	76	15	012	2010	115	76	15	012		
30	0088	125	81	13	006	1001	118	82	15	021	1491	119	56	16	019	2010	115	52	18	012	2010	115	52	18	012	2010	115	52	18	012	2010	115	52	18	012		
31	0092	125	79	16	010	1007	119	69	16	022	1499	119	52	16	015	2018	116	26	17	019	2018	116	26	17	019	2018	116	26	17	019	2018	116	26	17	019		

TABLE IX - continued

July 1964

Day	700 mb					600 mb					500 mb					400 mb				
	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. tens degs	Wind Speed knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. tens degs	Wind Speed knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. tens degs	Wind Speed knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. tens degs	Wind Speed knots
01	3141	108	39	11	016	4398	101	61	14	018	5840	092	57	08	012	7545	083	24	11	035
02	3145	110	30	17	015	4408	103	36	26	009	5863	095	46	05	006	7569	081	51	11	035
03	3111	107	84	17	014	4367	104	45	23	007	5821	093	32	32	003	7521	082	24	11	024
04	3133	108	56	21	014	4396	103	37	14	005	5849	094	42	10	014	7559	083	48	10	023
05	3119	103	42	21	008	4369	103	18	12	014	5824	094	08	11	027	7535	082	10	11	023
06	3114	110	15	15	005	4382	104	03	14	016	5844	095	01	13	014	7554	081	01	13	014
07	3118	109	62	21	005	4381	104	06	32	012	5838	095	02	27	007	7558	084	01	23	005
08	3100	106	53	25	030	4354	102	23	31	025	5797	091	15	31	019	7499	083	15	32	006
09	3119	113	20	29	028	4391	103	42	30	026	5841	094	14	25	026	7557	085	12	24	017
10	3148	112	14	23	020	4421	104	01	24	025	5876	094	76	18	014	7609	086	09	14	011
11	3117	107	54	19	018	4367	101	07	24	022	5811	095	07	16	018	7519	081	18	20	007
12	3119	109	12	25	014	4372	100	71	14	005	5816	093	14	17	016	7518	081	22	17	006
13	3120	110	12	28	018	4386	104	02	29	014	5836	094	08	25	008	7546	082	11	24	005
14	3122	109	13	27	024	4378	100	13	26	012	5818	094	12	28	006	7520	081	23	11	012
15	3111	105	80	14	020	4356	098	67	20	011	5786	090	46	23	003	7481	081	31	10	010
16	3132	107	75	16	017	4380	102	79	22	008	5830	093	12	17	010	7530	081	51	13	006
17	3142	108	17	18	016	4394	101	16	23	017	5846	094	50	13	017	7553	083	18	23	009
18	3125	107	78	16	013	4383	104	08	11	007	5836	094	21	11	013	7549	083	51	17	010
19	3117	105	59	07	006	4363	099	34	15	003	5807	092	59	17	005	7508	081	70	09	013
20	3114	109	45	15	005	4372	101	68	15	003	5815	092	77	17	010	7518	081	43	12	006
21	3115	109	66	19	009	4375	102	48	23	011	5826	093	54	25	009	7532	082	56	20	007
22	3120	107	75	34	005	4373	101	83	27	005	5814	092	76	14	003	7520	082	70	06	002
23	3125	107	78	10	008	4382	100	85	11	010	5824	092	85	14	012	7531	082	56	32	010
24	3112	108	47	13	004	4363	101	70	09	008	5806	092	50	25	009	7509	083	30	26	002
25	3115	109	50	14	008	4376	102	57	28	005	5824	095	23	29	011	7540	084	18	01	009
26	3116	109	51	16	015	4374	101	57	18	010	5821	094	05	27	013	7529	083	13	28	014
27	3135	110	10	20	027	4392	101	35	16	010	5842	095	02	18	019	7555	083	04	20	012
28	3128	111	22	19	011	4395	101	30	21	022	5854	093	38	15	025	7541	082	17	18	022
29	3128	108	59	18	013	4387	102	19	19	027	5834	093	68	24	010	7542	082	74	13	017
30	3125	109	23	20	021	4381	101	20	18	030	5823	093	67	19	016	7528	081	64	27	004
31	3140	109	58	21	031	4400	102	22	20	019	5844	092	60	25	011	7544	081	24	27	016

TABLE IX - HEIGHT, TEMPERATURE, HUMIDITY AND WIND AT PRESSURE LEVELS
AT SEYCHELLES (continued)

July 1964																			
300 mb					250 mb					200 mb					150 mb				
Day	Height deca- metres	Temp. (+ 100) °C	Rel. hum.	Wind Dir. tens degs	Wind Speed knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. tens degs	Wind Speed knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. tens degs	Wind Speed knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. tens degs	Wind Speed knots		
01	0963	067	24	10	038	1089	057	06	022	1236	045	07	037	1413	032	06	083		
02	0965	066	48	09	030	1090	056	08	038	1236	042	06	042	1411	027	07	078		
03	0960	065	55	07	014	1084	055	08	024	1229	042	08	034	1403	027	07	057		
04	0965	067	47	12	016	1091	056	11	025	1237	044	08	046	1415	032	07	065		
05	0964	070	10	11	027	1091	060	10	029	1239	048	05	026	1420	035	06	060		
06	0962	066	14	09	032	1088	057	08	035	1234	045	07	037	1412	031	06	053		
07	0966	069	36	02	014	1094	060	06	023	1243	049	06	037	1423	035	06	056		
08	0958	066	27	32	032	1083	056	32	018	1230	046	07	003	1409	030	07	036		
09	0967	069	30	09	012	1093	059	07	037	1241	047	05	048	1420	032	05	061		
10	0972	069	49	06	013	1099	059	06	030	1247	048	06	059	1427	036	06	105		
11	0959	064	46	10	012	1083	055	04	040	1228	041	05	049	1405	028	05	087		
12	0960	066	39	05	024	1085	055	04	031	1230	043	04	044	1406	030	05	070		
13	0963	066	48	06	011	1088	055	06	031	1233	043	05	053	1410	036	03	042		
14	0959	064	53	05	019	1083	055	03	028	1230	045	04	056	1407	035	04	044		
15	0956	067	31	31	010	1081	056	02	023	1227	045	05	048	1405	034	12	004		
16	0962	068	23	05	014	1088	058	07	031	1235	045	06	038	1415	036	35	008		
17	0964	066	32	11	005	1089	057	05	041	1236	046	06	061	1415	033	10	032		
18	0964	069	47	06	033	1091	059	06	041	1238	046	06	050	1417	034	11	031		
19	0959	066	62	06	031	1084	056	05	038	1231	045	07	045	1410	033	09	030		
20	0960	065	58	09	029	1085	055	06	036	1230	042	08	054	1406	031	06	014		
21	0962	066	62	11	019	1087	056	09	028	1232	043	08	036	1409	034	06	062		
22	0961	067	57	04	024	1086	056	06	028	1232	043	05	036	1407	029	06	066		
23	0962	066	56	05	010	1088	057	05	032	1234	044	05	046	1411	034	08	055		
24	0960	065	31	26	014	1084	055	35	015	1230	044	05	052	1408	036	06	034		
25	0964	068	37	22	016	1090	058	26	016	1237	046	05	022	1416	036	06	054		
26	0961	066	59	10	015	1086	056	05	019	1231	043	05	039	1408	035	07	037		
27	0964	067	36	29	017	1090	057	12	008	1237	046	05	032	1415	030	05	054		
28	0963	067	49	22	016	1088	057	10	011	1235	045	06	030	1412	033	06	037		
29	0964	068	42	12	014	1090	058	08	016	1237	045	07	024	1415	031	06	048		
30	0961	066	54	11	014	1086	054	10	014	1230	041	07	034	1406	034	07	034		
31	0962	066	46	06	028	1088	057	07	026	1234	044	07	055	1412	031	06	074		

July 1964

TABLE IX - continued

Day	100 mb			70 mb			50 mb			30 mb			Tropopause	Radar Comp. above mb	Remarks
	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Pres- sure mb		
01	1653	029	09 013	1865	032	26 018	2070	036					134 028	267	
02	1648	028	09 019	1861	036	27 017							119 023		
03	1640	026	02 012	1850	032	31 013							130 022		
04	1654	027	14 014	1866	035	26 021	2070	035	25 024				122 023		
05	1659	030	10 031	1870	032	27 024	2071	033	—	2387	039	—	115 023		
06	1648	026	07 032	1858	031	27 014	2061	034	28 020				137 025		
07	1663	028	03 015	1878	034	29 035							104 025	153	Tropopause not defined
08	1644	031	25 006	1856	030	27 045	2057	033	26 020				125 021		
09	1661	029	15 013	1875	035	26 028	2085	042	28 022				135 025		
10	1671	033	29 008	1884	031	28 021							118 029		
11	1643	028	24 023	—	—	24 028							130 023		
12	1646	025	11 015	1851	026	23 017							082 021		
13	1649	023	22 008	1859	038	27 018	2067	038	26 035				109 023	271	Tropopause not defined
14	1645	020	25 007	1854	036	25 021							098 019		
15	1641	021	09 017	—	—	26 018							109 020		
16	1654	018	06 025										097 018		
17	1652	025	09 016	1864	031	29 031	2069	036					112 022		
18	1655	028	19 016	1869	034	28 020							109 023		
19	1647	025	21 012	1856	030	29 019			26 035				111 021	388	Tropopause not defined
20	1640	020	18 009	1852	035	25 029							105 018		
21	1646	022	06 014	1857	034	26 024	2060	036	26 020				104 020		
22	1647	027	31 011	1857	031								151 029		
23	1652	028	23 014	1863	034	27 025							110 026		
24	1649	031	27 024	1858	030	31 022							110 026		
25	1659	025	26 016	1868	031	27 013	2072	037					101 025	176	Tropopause not defined
26	1647	029	12 015	1862	038	26 031							106 022		
27	1653	021	12 019	1863	033	25 024	2065	034	27 016				100 021		
28	1650	022	35 021	1860	031	25 027	2064	037	29 031				100 022		
29	1654	023	01 009	1864	032	29 018	2068	037					105 023		
30	1645	030	29 026	1858	036	26 037							103 022		
31	1652	026	27 038	1861	028	24 033							108 025		

TABLE IX - HEIGHT, TEMPERATURE, HUMIDITY AND WIND AT PRESSURE LEVELS
AT SEYCHELLES

August 1964

Day	1000 mb height metres	Surface				900 mb				850 mb				800 mb						
		Temp. (+ 100) °C	Rel. hum.	Wind Dir.	Wind Speed knots	Height metres	Temp. (+ 100) °C	Rel. hum.	Wind Dir.	Wind Speed knots	Height metres	Temp. (+ 100) °C	Rel. hum.	Wind Dir.	Wind Speed knots					
01	0094	124	87	13	006	1006	117	85	13	020	1496	116	79	12	017	2010	113	77	15	009
02	0102	125	87	14	011	1015	118	89	12	023	1504	117	83	13	015	2025	115	76	15	009
03	0102	125	88	13	018	1014	120	66	11	023	1508	119	50	09	006	2025	114	58	—	000
04	0109	125	77	14	006	1022	118	82	13	025	1512	118	75	13	015	2028	115	51	11	007
05	0121	125	77	15	012	1032	117	72	13	030	1520	117	80	15	020	2039	116	52	17	011
06	0115	125	80	16	007	1028	117	88	15	020	1515	115	79	12	017	2031	116	30	13	011
07	0103	124	89	16	008	1018	119	77	17	025	1507	115	84	15	024	2020	113	82	14	018
08	0104	124	78	14	010	1015	117	92	17	030	1502	115	82	16	014	2017	113	84	17	006
09	0109	124	77	14	007	1020	116	87	15	025	1505	115	75	15	027	2020	113	23	16	020
10	0105	124	76	17	015	1015	117	83	15	027	1501	114	90	15	032	2012	112	87	15	024
11	0105	124	79	16	006	1015	116	83	14	023	1501	115	79	14	027	2012	112	73	15	024
12	0095	124	78	15	008	1006	117	70	14	020	1493	115	62	14	022	2007	113	56	15	017
13	0084	122	87	—	000	0992	116	85	17	009	1477	115	77	17	007	1990	112	62	20	004
14	0080	122	85	—	000	0991	119	55	10	013	1480	115	47	11	015	1993	114	48	11	015
15	0088	125	84	15	004	1005	118	82	10	015	1494	118	72	09	014	2009	112	65	15	007
16	0104	125	79	14	005	1021	118	75	12	015	1508	115	82	11	014	2023	114	75	11	015
17	0099	125	81	18	008	1010	117	82	14	017	1497	115	73	13	019	2009	113	65	13	025
18	0097	125	76	14	007	1009	117	87	11	021	1497	117	52	12	025	2017	118	25	15	023
19	0096	125	79	14	011	1010	118	88	14	017	1500	117	67	14	015	2020	118	24	14	019
20	0086	125	81	15	010	1003	117	89	15	028	1493	117	88	14	025	2008	113	86	14	020
21	0093	125	91	13	008	1001	118	—	09	016	1489	116	—	10	013	2004	113	—	15	009
22	0099	125	85	14	015	1017	118	100	12	025	1507	118	70	11	023	2025	116	72	08	014
23	0099	123	92	14	007	1015	118	90	14	030	1504	117	83	13	027	2020	114	78	14	019
24	0090	125	82	16	007	0998	118	94	12	028	1487	116	80	10	021	2004	115	60	10	021
25	0090	125	80	14	007	1004	118	88	13	024	1493	115	88	12	028	2008	114	85	10	009
26	0094	125	77	17	011	1006	117	86	15	012	1493	114	87	17	012	2009	116	27	21	012
27	0088	124	86	16	008	1000	118	88	15	021	1488	115	90	13	021	2001	114	54	13	014
28	0091	125	80	16	007	1001	116	92	13	027	1487	114	91	12	028	1998	113	77	12	024
29	0082	125	79	15	010	0998	118	85	14	024	1487	117	62	14	024	2003	115	65	14	013
30	0076	124	85	17	012	0990	118	87	16	025	1479	117	78	16	029	1994	114	67	16	021
31	0078	124	83	19	014	0996	118	89	15	022	1487	116	92	15	023	2003	115	62	16	009

TABLE IX - continued
August 1964

Day	700 mb				600 mb				500 mb				400 mb			
	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots
01	3123	109	52	22 020	4380	100	33	24 007	5820	093	27	28 016	7522	081	48	26 020
02	3149	110	50	26 018	4409	101	18	29 008	5864	094	25	30 013	7569	082	35	28 012
03	3137	108	51	26 014	4395	103	05	24 004	5845	093	13	30 015	7545	082	24	28 018
04	3142	106	50	10 015	4403	103	01	02 003	5846	092	07	21 005	7546	081	42	26 015
05	3157	108	35	14 010	4414	100	47	10 015	5853	092	37	10 009	7553	082	23	20 020
06	3148	108	32	16 011	4406	102	30	14 007	5849	093	27	10 010	7552	082	42	11 014
07	3135	109	19	16 008	4396	102	19	10 009	5842	093	40	10 011	7541	082	68	08 031
08	3133	110	29	20 009	4392	102	06	14 015	5835	094	13	10 023	7541	082	12	09 034
09	3133	109	08	12 010	4391	102	02	12 020	5841	094	04	11 024	7546	081	19	08 025
10	3126	109	18	18 008	4390	103	11	13 004	5845	095	07	10 010	7557	083	14	11 019
11	3116	107	40	21 010	4378	103	10	29 012	5827	095	08	24 006	7539	083	12	11 010
12	3113	105	56	26 012	4376	102	20	28 027	5826	095	14	21 011	7544	084	12	13 005
13	3103	109	02	27 031	4368	102	16	28 035	5813	094	03	28 010	7523	084	01	30 011
14	3117	110	17	26 029	4374	099	71	29 024	5816	094	10	30 019	7532	084	11	28 014
15	3124	109	33	27 028	4382	100	36	28 023	5820	095	01	28 012	7536	084	01	34 004
16	3137	106	63	15 010	4382	098	71	29 018	5817	093	10	35 003	7520	083	05	35 003
17	3124	108	45	18 014	4374	098	48	25 012	5814	093	25	06 015	7524	083	13	09 010
18	3137	108	40	20 019	4392	101	27	11 009	5838	095	25	05 015	7553	083	17	05 009
19	3143	108	59	11 011	4405	103	54	09 014	5864	096	27	06 009	7589	084	31	05 013
20	3126	107	87	11 016	4386	101	83	08 021	5835	094	44	09 013	7550	084	20	— 000
21	3113	106	—	11 017	4366	101	—	09 012	5805	092	—	07 016	7508	081	—	08 018
22	3147	109	63	10 013	4406	102	66	10 019	5863	094	32	06 012	7579	083	39	12 016
23	3132	106	74	12 022	4384	100	85	12 017	5827	093	80	02 012	7535	083	69	11 010
24	3122	108	62	07 017	4386	102	63	13 004	5834	092	68	10 001	7541	082	15	05 011
25	3127	110	55	12 005	4387	102	39	15 014	5834	093	47	16 009	7532	082	70	02 012
26	3127	107	36	28 012	4383	102	13	15 017	5833	093	11	12 020	7538	081	53	06 016
27	3117	108	61	15 003	4375	101	48	09 005	5826	093	48	18 009	7525	081	74	08 011
28	3109	107	78	13 016	4363	098	82	15 011	5802	092	40	22 017	7495	081	73	14 012
29	3118	108	35	12 012	4371	100	62	23 004	5817	094	24	30 005	7528	083	69	09 016
30	3108	107	76	16 010	4360	100	69	34 009	5804	094	11	29 008	7509	082	73	12 011
31	3122	107	52	26 006	4383	102	23	28 016	5826	094	23	27 025	7526	081	67	29 005

TABLE IX - HEIGHT, TEMPERATURE, HUMIDITY AND WIND AT PRESSURE LEVELS
AT SEYCHELLES (continued)
August 1964

Day	300 mb					250 mb					200 mb					150 mb				
	Height	Temp.	Rel. hum.	Wind	Wind Speed	Height	Temp.	Wind	Wind Speed	Height	Temp.	Wind	Wind Speed	Height	Temp.	Wind	Wind Speed	Height	Temp.	Wind
	deca- metres	°C	per cent	tens deg		deca- metres	°C	tens deg		deca- metres	°C	tens deg		deca- metres	°C	tens deg		deca- metres	°C	tens deg
01	0960	065	56	21	002	1085	055	05	019	1230	044	07	031	1407	032	06	072			
02	0966	068	62	21	005	1092	060	04	022	1241	047	05	054	1418	031	05	080			
03	0964	068	49	17	005	1090	058	05	020	1237	045	06	040	1415	033	05	068			
04	0963	067	29	09	015	1088	056	09	021	1234	044	07	045	1411	031	07	051			
05	0964	066	52	09	020	1089	057	07	031	1236	045	07	047	1414	035	09	077			
06	0963	066	64	07	035	1089	057	08	044	1235	044	07	055	1412	032	07	091			
07	0964	067	41	06	027	1089	056	07	034	1235	045	06	053	1413	032	06	077			
08	0963	068	73	06	041	1089	057	07	033	1235	043	07	039	1411	030	09	074			
09	0963	066	57	07	032	1088	056	08	035	1235	047	09	057	1414	032	08	076			
10	0964	066	32	09	029	1089	056	09	037	1236	045	09	048	1413	031	07	080			
11	0963	067	35	10	033	1088	055	10	032	1234	045	09	047	1411	031	06	084			
12	0964	068	16	09	019	1091	059	10	030	1238	046	09	027	1417	033	06	071			
13	0962	067	01	09	014	1088	059	09	016	1236	045	07	022	1416	036	09	049			
14	0962	067	12	01	014	1088	057	01	010	1234	045	08	029	1412	032	10	038			
15	0963	067	01	27	014	1089	056	08	017	1234	045	07	064	1415	036	08	055			
16	0961	066	04	12	015	1086	057	06	022	1233	046	05	040	1413	035	06	083			
17	0962	067	18	08	017	1088	057	07	034	1234	046	07	075	1414	035	10	074			
18	0965	067	33	07	013	1090	057	10	032	1237	046	08	049	1418	037	10	046			
19	0968	066	48	08	017	1094	058	09	037	1241	047	09	044	1422	036	09	054			
20	0965	066	47	08	012	1090	058	09	037	1237	046	08	055	1416	034	07	066			
21	0959	066	—	11	023	1083	054	09	025	1228	040	09	026	1400	027	08	055			
22	0968	066	64	06	017	1094	059	07	020	1242	047	06	034	1421	034	09	055			
23	0962	067	43	14	021	1088	057	07	042	1234	044	09	045	1410	030	—	—			
24	0964	067	13	12	017	1089	057	09	027	1237	047	09	034	1416	035	06	085			
25	0962	068	28	09	019	1088	058	09	037	1235	045	06	040	1413	032	08	076			
26	0963	067	57	04	025	1089	057	03	035	1235	045	05	053	1414	034	08	049			
27	0961	067	75	08	020	1087	056	08	020	1232	043	07	034	1407	028	07	061			
28	0958	066	63	05	007	1084	056	04	017	1229	043	04	054	1403	027	06	061			
29	0963	068	51	08	012	1089	058	05	022	1236	045	05	041	1414	033	07	057			
30	0959	067	62	07	013	1085	056	06	025	1230	043	07	037	1407	033	09	048			
31	0962	067	35	12	024	1087	057	09	025	1233	045	07	036	1410	028	07	061			

TABLE IX - continued
September 1964

Day	700 mb					600 mb					500 mb					400 mb				
	Height	Temp.	Rel. hum.	Dir.	Wind Speed	Height	Temp.	Rel. hum.	Dir.	Wind Speed	Height	Temp.	Rel. hum.	Dir.	Wind Speed	Height	Temp.	Rel. hum.	Dir.	Wind Speed
	metres	°C	per cent	tens degs	knots	metres	°C	per cent	tens degs	knots	metres	°C	per cent	tens degs	knots	metres	°C	per cent	tens degs	knots
01	3116	109	25	26	020	4871	101	11	26	020	5813	093	19	25	013	7514	081	37	20	011
02	3125	110	25	24	020	4383	101	08	23	022	5828	093	10	20	009	7536	083	37	08	007
03	3115	107	74	24	005	4368	101	13	13	003	5815	094	64	09	010	7528	083	67	09	008
04	3103	108	74	18	012	4361	102	65	24	004	5808	093	64	31	010	7522	083	77	07	012
05	3117	108	67	23	004	4371	100	73	23	011	5810	092	71	22	015	7515	082	41	28	017
06	3115	109	81	24	004	4377	102	71	21	002	5828	093	70	17	011	7541	085	41	18	007
07	3113	108	100	09	009	4370	100	90	15	010	5819	093	96	07	008	7529	084	81	05	010
08	3116	107	98	12	010	4375	101	91	36	012	5821	093	72	02	010	7528	082	64	04	019
09	3117	111	68	15	012	4375	100	70	23	019	5810	091	85	21	025	7516	083	76	25	022
10	3129	110	63	13	007	4390	100	86	17	012	5830	092	72	11	008	7538	083	67	10	010
11	3127	107	74	33	008	4380	100	79	13	005	5823	093	69	12	009	7525	082	70	08	015
12	3132	109	65	20	009	4388	101	57	28	022	5831	094	58	31	013	7543	082	71	35	009
13	3109	111	48	26	020	4368	099	33	27	016	5805	094	23	27	018	7507	083	23	27	016
14	3140	108	36	23	025	4398	102	22	27	017	5844	093	22	24	015	7550	083	80	18	009
15	3132	108	54	26	025	4389	101	33	23	028	5827	091	41	19	019	7530	083	28	14	017
16	3136	108	58	24	021	4390	100	59	26	035	5830	094	22	20	008	7546	085	17	35	010
17	3107	107	57	27	028	4355	100	23	27	024	5797	094	14	29	018	7507	083	11	29	009
18	3113	108	40	28	026	4366	102	17	28	026	5816	095	08	29	014	7530	082	08	26	012
19	3122	108	59	26	013	4375	103	22	27	022	5826	095	13	28	014	7541	083	12	16	007
20	3140	108	44	22	021	4397	103	11	25	017	5846	093	12	19	012	7558	084	14	06	017
21	3138	108	48	20	023	4397	101	67	15	015	5849	094	23	25	014	7567	084	26	24	016
22	3129	108	85	11	018	4390	102	72	08	023	5845	096	72	24	017	7564	083	43	17	011
23	3122	108	77	29	004	4381	101	70	07	005	5831	095	48	15	007	7548	084	07	08	005
24	3125	108	67	27	014	4383	100	74	30	010	5827	092	49	29	012	7542	084	15	30	024
25	3143	110	32	27	019	4397	098	40	27	015	5837	093	23	30	011	7556	084	18	29	010
26	3139	107	49	24	016	4385	097	64	27	017	5820	093	20	30	014	7530	084	16	28	013
27	3139	108	38	26	019	4384	097	50	27	016	5827	095	12	35	016	7542	084	11	31	021
28	3148	108	27	26	017	4395	100	26	03	007	5844	096	08	35	011	7558	083	07	35	021
29	3155	110	32	24	018	4413	100	30	13	005	5853	094	08	—	000	7566	083	09	09	008
30	3142	109	61	18	020	4402	101	48	20	006	5842	092	17	13	010	7552	083	25	24	006

TABLE IX - HEIGHT, TEMPERATURE, HUMIDITY AND WIND AT PRESSURE LEVELS
AT SEYCHELLES (continued)

September 1964																			
300 mb					250 mb					200 mb					150 mb				
Day	Height deca- metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots			
01	0960	068	39	06 018	1086	057	07 027	1232	044	07 039	1410	033	06 072						
02	0963	068	54	07 021	1089	057	06 030	1236	044	05 037	1413	032	07 070						
03	0962	067	36	05 023	1088	057	08 031	1234	045	09 042	1412	032	07 056						
04	0963	069	50	08 021	1089	058	09 030	1235	043	10 042	1412	031	07 068						
05	0960	066	52	08 022	1085	056	07 033	1231	044	09 045	1408	031	07 055						
06	0964	067	47	12 037	1089	057	10 042	1236	044	09 048	1413	030	07 071						
07	0963	069	68	23 007	1090	059	05 007	1237	046	07 017	1414	029	06 045						
08	0961	066	38	09 035	1086	056	09 038	1232	044	10 048	1410	032	09 062						
09	0962	069	65	09 037	1088	058	07 041	1235	045	08 036	1413	032	08 053						
10	0964	068	17	10 018	1090	057	08 010	1236	044	07 032	1412	029	06 056						
11	0962	068	61	05 027	1088	058	05 037	1235	045	06 041	1412	030	06 052						
12	0963	067	62	07 026	1089	056	08 028	1234	044	08 028	1411	031	07 055						
13	0960	065	55	09 010	1085	056	07 018	1232	045	06 038	1411	033	05 050						
14	0964	067	45	16 007	1090	057	09 009	1236	045	06 026	1414	031	06 050						
15	0962	066	30	11 017	1087	057	07 019	1233	044	06 035	1410	030	07 053						
16	0965	068	23	08 010	1091	058	09 020	1238	047	07 039	1417	033	06 067						
17	0960	067	08	03 007	1085	066	11 028	1231	044	08 025	1409	031	07 028						
18	0961	065	10	08 005	1086	056	09 021	1232	046	10 021	1410	033	06 043						
19	0964	067	13	07 033	1090	057	06 025	1236	045	05 034	1415	035	05 016						
20	0966	067	16	08 029	1091	056	07 043	1237	043	05 068	1415	033	06 030						
21	0967	067	23	08 031	1093	058	09 032	1240	046	08 047	1419	034	06 054						
22	0967	069	45	12 005	1093	058	05 013	1241	047	06 029	1419	031	06 052						
23	0965	068	36	14 012	1091	058	10 003	1237	045	08 031	1416	036	09 027						
24	0964	067	23	17 006	1089	056	09 009	1286	045	06 054	1415	036	07 043						
25	0965	067	19	20 014	1090	055	09 006	1237	045	05 031	1416	037	06 065						
26	0963	068	15	24 010	1089	057	20 007	1235	043	05 021	1413	035	09 031						
27	0965	069	10	32 011	1091	057	29 004	1237	044	06 033	1417	036	11 014						
28	0966	068	07	33 006	1092	058	33 007	1239	045	06 035	1419	037	14 009						
29	0966	067	09	32 013	1092	057	35 006	1238	044	06 020	1416	035	03 026						
30	0966	069	11	31 010	1093	059	31 011	1241	046	36 019	1421	038	14 012						

TABLE IX -- continued
September 1964

Day	100 mb			70 mb			50 mb			30 mb			Tropopause		Remarks
	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Pres- sure mb	Temp. (+ 100) °C	
01															
02	1653	026	35 006	1863	032	25 023	2066	034	24 030				143	030	
03	1654	028	10 013	1868	032	26 018	2072	038	27 030				133	028	
04	1653	029	30 013	1866	081	28 029	2070	035	26 039	2385	042	31 010	142	029	
05	1648	028	29 012	1861	032	25 026							141	029	339
06	1653	028	25 013	1863	032	28 013							135	026	
													138	027	
07	1654	027													
08	1651	025	23 012	1862	030	19 007	2069	039	26 044				139	025	
09	1653	026	—	1863	033	—	—	—	24 032				100	025	
10	1648	024	29 004	—	—	26 035							139	027	
11													139	025	
12	1651	024	17 004	1859	031	22 012							144	028	
													099	024	
13	1654	030	14 023	1865	029	33 010									
14	1655	028	07 007	1866	030	27 020	2068	034	26 019				135	029	
15	1649	028	35 006	1858	028	28 013	2061	035	29 022	2376	037	27 028	146	029	
16	1658	028	29 010	1868	030	28 006	2070	036	27 020				111	024	
17	1648	022	27 017	1853	026	26 014	2055	033	24 031				111	026	
18	1648	018	22 012	1850	022	19 013	2049	037	29 036				104	021	
													101	018	
19	1653	020	12 014	1856	027	20 006	2058	034	26 041				093	018	
20	1651	020	07 027	1859	033	25 020	2063	034	27 031				096	018	
21	1655	016	07 033	1861	029	27 018							098	015	
22	1658	022					2059	033	27 030				—	—	
23	1654	018	08 008	1857	027	29 030							097	017	251
24	1650	019	09 009	1860	034	24 025							104	017	
25	1656	021	13 018	1861	030	27 013	2065	035	25 030	2381	040	—	094	020	094
26	1650	021	12 020	1855	027	29 017							103	020	239
27	1654	020	04 021	1860	030	25 019	2063	037	25 020				100	020	
28	1658	021	36 021	1863	030	27 019							096	020	
29	1654	019	12 013	1862	031	29 009	2065	035	28 028	2380	043	20 006	099	018	036
30	1662	024	10 016	1864	029	28 021	2065	034					087	016	

TABLE IX — HEIGHT, TEMPERATURE, HUMIDITY AND WIND AT PRESSURE LEVELS
AT SEYCHELLES

Day	October 1964																	
	1000 mb height			Surface			900 mb			850 mb			800 mb					
	metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. tens	Wind Speed degs	Wind Speed knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. tens	Wind Speed degs	Wind Speed knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. tens	Wind Speed degs	Wind Speed knots
01	0097	125	75	15	008		1008	116	89	14	021		1493	113	89	14	018	
02	0095	125	78	14	007		1007	117	80	12	018		1494	116	64	11	008	
03	0101	125	80	18	007		1020	118	86	15	014		1508	115	89	15	014	
04	0100	125	80	16	008		1013	118	77	15	024		1502	118	62	17	013	
05	0110	125	84	15	007		1021	117	76	15	015		1510	115	73	19	007	
06	0105	125	81	15	002		1018	118	82	14	016		1507	116	68	17	015	
07	0108	122	87	—	000		1022	116	87	14	015		1507	116	50	17	012	
08	0115	125	79	17	003		1031	118	75	16	010		1521	116	71	18	006	
09	0130	126	85	12	011		1046	118	90	12	013		1534	115	93	12	013	
10	0119	124	79	15	005		1031	118	73	13	012		1519	115	76	16	006	
11	0112	125	77	15	004		1028	117	83	13	019		1514	113	73	13	018	
12	0108	126	81	13	010		1024	117	85	11	022		1511	115	75	12	016	
13	0107	125	80	—	000		1019	117	77	14	011		1506	115	73	15	008	
14	0097	125	83	—	000		1011	118	81	17	004		1499	116	86	17	004	
15	0093	123	91	—	000		1010	118	72	05	004		1499	115	78	11	008	
16	0102	125	84	32	002		1015	117	73	33	009		1501	116	78	03	004	
17	0107	122	84	27	005		1022	119	57	06	004		1512	117	71	10	010	
18	0097	125	82	—	000		1015	118	90	23	006		1507	116	95	24	004	
19	0094	125	88	06	007		1009	117	93	14	015		1495	114	90	18	015	
20	0097	123	90	—	000		1010	118	73	03	005		1498	115	82	05	002	
21	0113	123	95	—	000		1032	119	77	15	011		1522	117	72	16	011	
22	0102	124	89	22	005		1018	118	88	21	005		1505	115	87	22	007	
23	0099	125	78	—	000		1015	119	83	13	010		1505	116	83	13	005	
24	0095	123	86	18	015		1010	119	70	22	016		1499	116	77	26	012	
25	0111	125	78	13	006		1023	117	87	14	012		1509	114	78	17	009	
26	0100	121	91	—	000		1013	118	74	17	006		1502	116	50	21	009	
27	0083	125	69	36	005		1000	118	84	20	007		1487	115	93	19	006	
28	0079	126	71	23	010		1001	122	34	24	015		1496	118	37	25	017	
29	0086	125	84	30	007		1005	119	86	26	016		1494	115	88	26	017	
30	0098	124	90	28	003		1015	118	88	33	008		1504	115	85	28	009	
31	0099	124	92	—	000		1010	117	82	32	003		1497	115	85	16	002	

TABLE IX - continued
October 1964

Day	700 mb					600 mb					500 mb					400 mb				
	Height	Temp.	Rel.	Wind	Wind Dir. Speed	Height	Temp.	Rel.	Wind	Wind Dir. Speed	Height	Temp.	Rel.	Wind	Wind Dir. Speed	Height	Temp.	Rel.	Wind	Wind Dir. Speed
	metres	°C	per cent	tens degs		metres	°C	per cent	tens degs		metres	°C	per cent	tens degs		metres	°C	per cent	tens degs	
01	3133	109	36	17	013	4389	099	47	18	011	5831	094	13	13	015	7540	083	07	18	008
02	3135	109	26	22	016	4388	099	34	23	008	5833	095	12	12	014	7548	084	11	11	007
03	3142	109	48	26	022	4395	101	58	28	002	5840	093	43	08	013	7550	084	19	14	004
04	3140	108	41	26	023	4393	101	22	—	000	5833	091	47	02	006	7539	084	12	28	011
05	3131	107	37	27	022	4382	098	45	25	004	5815	092	13	29	015	7510	079	10	28	014
06	3138	109	29	27	023	4387	098	51	26	006	5842	097	17	26	018	7553	082	17	30	014
07	3134	108	46	29	022	4383	098	44	26	014	5827	093	17	27	023	7536	084	16	30	030
08	3143	106	51	28	024	4388	099	35	28	023	5835	093	18	26	018	7542	085	17	29	020
09	3161	108	34	26	025	4414	101	15	21	018	5856	092	11	25	016	7555	082	15	30	023
10	3144	109	49	24	020	4397	100	62	24	029	5843	092	31	29	012	7548	082	30	—	—
11	3139	107	50	24	016	4386	097	60	25	027	5822	094	23	33	005	7523	083	26	27	022
12	3133	108	43	25	015	4385	100	43	30	005	5822	093	22	05	007	7524	082	17	25	015
13	3134	107	53	22	010	4385	101	35	08	007	5830	094	19	13	006	7542	083	15	09	005
14	3132	110	40	24	009	4387	101	45	09	024	5812	094	26	13	008	7521	083	17	06	010
15	3127	107	72	14	008	4378	099	76	13	013	5824	092	18	08	006	7524	081	16	36	014
16	3130	107	78	14	004	4383	100	50	12	015	5826	094	20	19	005	7531	082	17	07	011
17	3144	109	26	09	008	4399	100	35	12	016	5838	093	22	13	017	7546	083	19	12	012
18	3133	107	100	14	010	4384	098	100	13	022	5822	091	83	14	018	7525	083	43	15	018
19	3119	108	91	04	005	4378	101	48	08	016	5825	094	06	09	019	7535	082	18	10	018
20	3123	107	73	11	003	4376	101	50	11	016	5816	092	14	08	017	7516	081	28	08	016
21	3148	107	78	14	011	4403	101	42	09	007	5848	095	14	11	024	7558	084	16	11	015
22	3133	106	84	10	008	4385	100	67	11	010	5825	092	64	12	030	7533	084	16	10	021
23	3132	108	69	26	001	4385	100	74	08	009	5821	091	78	11	015	7529	083	53	11	015
24	3129	107	83	14	008	4383	100	95	09	014	5829	093	97	06	007	7539	083	85	11	017
25	3133	110	55	23	006	4392	100	64	10	003	5832	092	80	19	006	7534	082	70	15	009
26	3127	107	64	22	011	4383	101	12	16	009	5826	092	63	24	004	7531	083	29	15	007
27	3111	108	79	25	005	4366	101	35	20	004	5811	092	38	24	008	7516	083	28	15	007
28	3126	109	70	21	013	4389	101	80	17	011	5834	093	56	14	008	7547	084	20	14	006
29	3120	107	82	17	003	4377	100	72	14	003	5820	092	32	12	014	7520	081	22	13	008
30	3133	107	69	02	006	4388	101	37	06	008	5836	093	60	11	013	7543	082	32	11	015
31	3115	105	72	29	001	4363	100	43	04	007	5798	091	58	09	017	7496	081	27	09	011

TABLE IX - HEIGHT, TEMPERATURE, HUMIDITY AND WIND AT PRESSURE LEVELS
AT SEYCHELLES (continued)

October 1964																					
Day	300 mb						250 mb						200 mb				150 mb				
	Height	Temp.	Rel.	Wind	Dir.	Speed	Height	Temp.	Wind	Dir.	Speed	Height	Temp.	Wind	Dir.	Speed	Height	Temp.	Wind		
	deca- metres	(+ 100) °C	hum.	tens			knots	deca- metres	(+ 100) °C			tens	knots	deca- metres			(+ 100) °C	tens	knots	deca- metres	(+ 100) °C
01	0964	067	07	26	012	1090	056	22	013	1235	044	05	011	1412	032	07	021				
02	0965	069	14	16	010	1092	060	17	015	1241	047	17	015	1420	031	10	011				
03	0965	068	28	08	005	1092	059	12	004	1239	046	08	017	1417	032	05	025				
04	0964	068	16	31	008	1090	057	34	009	1237	046	36	020	1415	032	06	051				
05	0957	063	09	28	015	1081	053	32	023	1225	043	02	028	1402	030	06	063				
06	0965	067	15	28	023	1090	057	30	027	1236	044	04	022	1413	030	06	046				
07	0964	067	13	26	027	1089	057	29	025	1236	045	35	008	1415	032	05	046				
08	0963	066	17	27	023	1088	056	26	017	1235	045	05	032	1414	036	19	017				
09	0964	068	15	24	027	1091	058	19	005	1237	044	07	033	1415	033	04	002				
10	0964	069	26	—	—	1091	058	—	—	1238	048	—	—	1419	033	—	—				
11	0962	068	18	22	005	1088	057	30	004	1236	047	27	007	1416	034	27	043				
12	0962	068	13	06	005	1088	057	25	011	1235	046	27	022	1413	033	28	045				
13	0963	067	16	19	004	1088	056	29	012	1235	044	28	023	1412	031	27	030				
14	0962	068	13	16	008	1088	057	22	004	1234	045	25	018	1412	032	—	—				
15	0962	068	14	31	009	1088	056	29	009	1233	044	27	030	1410	029	27	029				
16	0963	067	15	25	004	1088	057	29	008	1234	043	29	007	1411	031	32	017				
17	0964	067	17	03	005	1089	057	05	007	1236	044	35	010	1412	028	33	009				
18	0961	066	39	02	005	1086	056	32	013	1232	043	36	023	1407	028	35	027				
19	0963	066	16	01	005	1088	058	32	013	1235	045	01	013	1413	033	36	017				
20	0960	066	20	15	003	1085	058	34	002	1232	047	02	007	1412	035	06	010				
21	0965	067	13	21	005	1091	057	27	002	1237	044	09	016	1415	033	09	017				
22	0963	067	12	15	006	1089	057	12	013	1235	045	10	020	1415	035	10	020				
23	0963	068	28	36	006	1089	057	02	004	1235	046	05	023	1415	033	11	018				
24	0964	069	57	09	013	1090	059	03	007	1238	047	26	009	1419	035	09	018				
25	0963	067	53	05	013	1089	058	09	007	1236	047	28	008	1415	032	32	005				
26	0963	066	33	32	006	1087	055	36	009	1233	045	27	008	1412	033	32	020				
27	0961	068	22	32	014	1087	058	32	018	1234	045	33	021	1412	033	30	025				
28	0965	069	15	33	013	1091	059	31	031	1238	044	31	031	1416	033	32	033				
29	0960	065	20	35	009	1085	055	32	024	1230	044	31	026	1407	029	34	022				
30	0963	067	28	31	007	1089	058	33	019	1236	047	35	018	1416	034	05	018				
31	0958	067	24	33	014	1083	057	03	018	1229	044	07	033	1408	032	01	010				

TABLE IX — continued
October 1964

Day	100 mb			70 mb			50 mb			30 mb			Tropopause	Remarks
	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Pres- sure (+ 100) mb	
01	1647	021	10 026	1854	030	27 013	2056	033	26 021	2379	038	—	115 021	Tropopause not defined
02	1656	023	09 023	1863	030	27 022	2064	033	26 021	—	—	—	107 021	
03	1653	022	02 015	1861	030	28 021	2062	033	—	—	—	—	103 021	
04	1653	024	06 011	1861	031	27 019	—	—	—	—	—	—	093 022	
05	1639	022	28 007	1845	027	28 019	—	—	—	—	—	—	094 021	
06	1650	022	26 029	1854	026	22 008	2055	035	26 028	—	—	—	139 026	
07	1654	021	21 009	1857	026	24 009	2059	035	27 039	—	—	—	097 019	Tropopause not defined
08	1652	018	33 006	1856	030	28 010	2059	033	—	—	—	—	096 016	
09	1652	021	10 008	1855	028	—	—	—	—	—	—	—	100 021	
10	1656	018	—	1860	031	—	2059	030	—	—	—	—	090 016	
11	1653	021	15 004	1857	024	27 028	2057	034	26 014	—	—	—	092 029	
12	1650	019	09 019	1854	027	18 017	2055	034	27 028	—	—	—	098 019	
13	1646	017	07 015	1850	025	30 011	—	—	—	—	—	—	097 015	Tropopause not defined
14	1647	017	—	1851	029	27 012	—	—	—	—	—	—	097 016	
15	1643	015	04 023	1848	029	—	—	—	—	—	—	—	100 015	
16	1644	015	07 019	1847	027	26 007	2047	032	27 037	2357	037	35 003	102 015	
17	1641	014	06 025	1848	028	29 015	2049	030	—	—	—	—	101 013	
18	1636	016	09 029	—	—	—	—	—	—	—	—	—	105 013	
19	1649	018	07 031	1855	032	23 016	2058	034	27 031	—	—	—	099 017	Tropopause not defined
20	1646	017	08 028	1854	032	28 042	2055	034	24 036	2368	039	26 016	101 016	
21	1648	017	08 027	1853	028	25 019	—	—	—	—	—	—	109 017	
22	1652	021	06 017	1855	027	26 008	—	—	—	—	—	—	090 018	
23	1649	017	10 022	1853	027	27 032	2052	034	28 043	2369	039	19 009	098 016	
24	1658	022	—	1864	029	—	—	—	—	—	—	—	093 019	
25	1650	019	05 023	1850	026	27 013	—	—	—	—	—	—	102 018	Tropopause not defined
26	1648	028	29 008	1851	025	28 024	2051	034	29 030	2365	039	—	095 017	
27	1648	020	26 003	—	—	—	—	—	—	—	—	—	088 018	
28	1651	020	08 015	1842	024	27 017	—	—	—	—	—	—	096 019	Tropopause not defined
29	1638	017	15 016	1855	027	31 019	2056	031	27 027	2368	040	32 009	100 017	
30	1652	018	14 006	—	—	—	—	—	—	—	—	—	094 014	
31	1640	016	12 011	1843	033	31 017	—	—	—	—	—	—	096 015	

TABLE IX - HEIGHT, TEMPERATURE, HUMIDITY AND WIND AT PRESSURE LEVELS
AT SEYCHELLES

Day	November 1964																				
	1000 mb height metres	Surface					900 mb					850 mb					800 mb				
		Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. tens degs	Wind Speed knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. tens degs	Wind Speed knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. tens degs	Wind Speed knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. tens degs	Wind Speed knots	
01	0100	125	81	24	009	1018	119	68	18	007	1508	116	77	17	006	2023	115	53	23	006	
02	0112	122	90	33	002	1029	120	44	24	018	1520	117	48	25	018	2035	113	42	23	015	
03	0106	122	89	25	003	1020	117	76	24	011	1507	114	76	25	013	2018	112	65	26	012	
04	0101	123	89	18	002	1013	118	81	23	006	1502	116	69	26	008	2015	114	76	23	006	
05	0100	123	88	29	003	1017	118	81	17	007	1505	116	64	18	013	2020	115	33	22	015	
06	0104	124	81	01	002	1019	118	81	22	005	1507	115	82	23	007	2019	114	50	23	009	
07	0106	121	89	29	002	1016	117	86	22	004	1502	114	51	17	006	2013	112	53	17	009	
08	0101	122	83	27	007	1018	119	74	26	005	1508	116	76	28	009	2022	113	76	28	010	
09	0097	123	91	12	007	1015	120	67	24	010	1507	118	55	26	018	2025	115	58	27	019	
10	0100	122	94	—	000	1017	119	83	22	014	1510	118	29	26	020	2025	115	28	27	023	
11	0103	124	90	28	002	1022	118	70	17	012	1513	117	38	24	014	2029	114	32	27	021	
12	0100	126	77	18	009	1016	118	80	16	011	1505	117	60	19	008	2022	115	25	23	009	
13	0099	123	90	29	004	1013	119	70	17	003	1503	116	57	18	003	2018	114	53	19	005	
14	0096	124	89	—	000	1016	119	81	22	009	1505	115	88	22	010	2017	113	66	22	010	
15	0094	124	90	—	000	1015	119	81	32	001	1505	116	72	16	003	2017	112	62	13	012	
16	0095	124	92	24	005	1012	119	90	09	007	1502	116	84	09	007	2017	114	88	09	006	
17	0104	124	95	—	000	1020	119	82	10	008	1510	116	83	13	005	2023	112	83	15	003	
18	0109	123	91	29	003	1025	119	78	17	006	1514	115	87	23	007	2026	112	76	26	006	
19	0107	124	90	—	000	1023	118	85	13	002	1511	116	84	19	003	2026	113	83	23	006	
20	0099	124	91	—	000	1015	119	80	14	007	1504	116	84	16	005	2016	112	88	17	005	
21	0088	124	91	25	003	1007	119	77	11	014	1497	117	73	12	019	2012	114	75	12	008	
22	0086	126	91	27	009	1005	119	83	10	015	1495	117	79	11	014	2011	114	79	11	013	
23	0086	123	97	—	000	1005	119	83	07	008	1495	117	83	06	008	2010	114	87	06	006	
24	0098	123	92	27	005	1019	119	75	10	006	1509	117	77	19	001	2025	114	79	27	004	
25	0107	123	93	—	000	1025	120	58	08	004	1515	117	72	15	002	2031	113	68	15	005	
26	0111	124	88	09	003	1028	119	63	09	002	1518	117	71	10	005	2033	114	73	10	007	
27	0103	123	91	27	004	1020	119	80	22	002	1510	116	78	17	003	2025	113	73	13	004	
28	0097	123	93	25	004	1016	118	78	16	002	1505	116	78	16	007	2020	114	71	15	009	
29	0099	125	88	—	000	1019	121	67	18	002	1510	117	50	19	012	2026	114	67	16	007	
30	0098	124	87	—	000	1016	120	57	23	010	1507	117	49	23	013	2022	113	53	24	015	

TABLE IX - continued
November 1964

Day	700 mb					600 mb					500 mb					400 mb				
	Height	Temp. (+ 100)	Rel. hum.	Wind Dir. Speed	metres	Height	Temp. (+ 100)	Rel. hum.	Wind Dir. Speed	metres	Height	Temp. (+ 100)	Rel. hum.	Wind Dir. Speed	metres	Height	Temp. (+ 100)	Rel. hum.	Wind Dir. Speed	metres
	metres	°C	per cent	tens degs knots		metres	°C	per cent	tens degs knots		metres	°C	per cent	tens degs knots		metres	°C	per cent	tens degs knots	
01	3137	107	43	18 009	4394	101	60	12 010	5839	093	68	09 009	7547	083	42	17 010				
02	3141	106	66	16 014	4394	101	65	14 010	5835	091	71	11 012	7543	082	39	15 011				
03	3128	107	47	18 007	4380	099	58	14 007	5820	092	37	09 011	7525	082	34	08 004				
04	3133	109	40	17 004	4391	101	55	17 007	5835	094	23	11 015	7545	084	23	16 012				
05	3138	109	30	23 009	4395	100	45	17 011	5838	093	33	11 020	7546	084	30	15 011				
06	3136	108	33	22 010	4394	101	26	16 012	5839	094	20	13 020	7551	085	27	11 004				
07	3125	107	38	23 009	4383	101	49	13 012	5831	094	76	11 012	7542	083	54	21 007				
08	3135	109	34	20 006	4393	101	34	30 002	5836	092	39	13 011	7533	083	33	18 011				
09	3136	107	47	28 006	4394	102	46	- 000	5839	093	40	22 004	7561	085	16	21 008				
10	3138	107	42	26 012	4391	100	42	02 003	5824	091	31	10 012	7534	084	12	13 014				
11	3142	107	36	25 007	4396	100	29	20 004	5837	093	64	08 023	7544	085	15	09 009				
12	3138	107	42	22 006	4394	100	48	05 005	5836	093	25	05 017	7548	083	23	10 008				
13	3133	108	36	19 005	4388	101	41	03 022	5829	092	38	08 017	7535	083	26	11 016				
14	3142	110	22	27 003	4404	101	76	11 008	5846	090	68	09 016	7537	083	48	07 016				
15	3134	108	70	12 009	4389	100	76	15 004	5827	092	78	11 016	7523	080	50	07 010				
16	3132	108	83	10 011	4387	100	66	11 012	5830	093	76	12 008	7536	082	54	25 004				
17	3139	108	68	11 002	4396	101	78	12 006	5838	093	64	11 019	7543	082	53	12 020				
18	3142	109	58	26 006	4399	101	60	35 003	5840	092	35	08 012	7539	081	38	10 015				
19	3142	107	66	26 006	4400	100	56	15 005	5838	091	44	08 011	7540	081	41	11 010				
20	3135	109	51	19 008	4395	103	40	09 005	5845	095	21	05 012	7550	082	16	06 012				
21	3129	109	70	13 005	4387	101	60	13 007	5837	095	26	11 012	7545	083	25	08 010				
22	3127	108	83	12 009	4384	103	41	08 011	5836	094	10	11 022	7545	083	07	07 012				
23	3124	107	77	07 005	4379	102	30	09 011	5825	093	58	12 014	7538	084	07	06 009				
24	3139	108	49	15 005	4397	102	41	10 004	5844	094	26	09 008	7559	084	14	05 003				
25	3145	106	68	15 007	4399	102	54	11 009	5843	092	51	09 007	7554	084	17	30 004				
26	3147	107	80	09 010	4404	100	84	11 007	5843	092	78	14 013	7555	083	32	15 012				
27	3140	108	63	11 013	4396	102	74	11 020	5841	092	77	11 022	7548	082	65	09 021				
28	3137	108	77	13 011	4393	101	71	11 013	5838	093	58	08 019	7546	083	46	02 013				
29	3138	107	65	11 005	4388	100	79	14 011	5826	092	67	08 009	7533	082	58	06 010				
30	3139	108	71	24 011	4392	101	67	21 004	5837	093	62	11 008	7550	083	55	05 010				

TABLE IX - HEIGHT, TEMPERATURE, HUMIDITY AND WIND AT PRESSURE LEVELS
AT SEYCHELLES (continued)

November 1964																				
Day	300 mb					250 mb					200 mb					150 mb				
	Height	Temp. (+ 100)	Rel. hum.	Wind Dir.	Wind Speed	Height	Temp. (+ 100)	Wind Dir.	Wind Speed	Height	Temp. (+ 100)	Wind Dir.	Wind Speed	Height	Temp. (+ 100)	Wind Dir.	Wind Speed			
	deca- metres	°C	per cent	tens degs	knots	deca- metres	°C	tens degs	knots	deca- metres	°C	tens degs	knots	deca- metres	°C	tens degs	knots			
01	0964	067	34	02	009	1090	057	09	021	1236	044	11	018	1415	033	09	008			
02	0963	068	45	09	005	1089	057	14	008	1236	045	07	029	1415	032	07	010			
03	0961	067	37	12	004	1087	058	21	005	1234	045	11	012	1413	036	06	021			
04	0965	068	26	08	002	1091	057	06	021	1238	047	06	048	1420	036	08	014			
05	0964	067	28	07	008	1090	058	05	035	1237	049	09	017	1418	034	24	020			
06	0965	068	25	08	010	1091	058	06	040	1239	049	06	013	1420	034	22	014			
07	0964	067	74	08	016	1089	056	06	045	1238	050	14	003	1419	035	22	024			
08	0963	066	32	08	028	1089	059	04	014	1238	049	19	011	1419	035	19	011			
09	0966	068	24	07	017	1093	060	07	021	1241	047	30	008	1419	032	23	010			
10	0963	067	19	05	018	1088	057	13	014	1235	044	20	006	1413	031	27	010			
11	0964	067	20	07	005	1090	058	28	010	1237	045	07	006	1416	033	26	022			
12	0964	067	24	02	004	1090	058	28	009	1237	046	29	028	1416	033	29	017			
13	0963	067	21	35	010	1089	057	29	031	1236	046	30	033	1414	032	26	044			
14	0966	069	28	30	013	1092	058	29	014	1239	047	27	024	1419	033	25	038			
15	0961	067	15	28	005	1087	059	26	013	1235	046	25	023	1415	035	26	041			
16	0963	067	41	23	010	1089	058	24	012	1235	045	25	032	1413	031	26	045			
17	0963	067	48	14	014	1088	056	16	012	1234	044	20	017	1411	030	26	030			
18	0962	066	24	17	014	1086	054	14	005	1232	044	25	020	1409	031	26	021			
19	0962	066	29	12	010	1088	056	09	008	1234	047	24	013	1414	034	24	031			
20	0964	068	13	13	012	1091	058	21	017	1238	047	22	015	1416	033	25	028			
21	0964	068	22	13	010	1090	058	20	011	1238	046	27	031	1416	033	26	022			
22	0965	069	05	13	007	1091	058	18	020	1238	048	28	017	1419	035	18	020			
23	0963	067	07	12	006	1089	057	28	015	1236	045	27	037	1414	032	20	014			
24	0965	067	15	11	007	1091	058	26	015	1240	048	27	028	1419	033	21	017			
25	0965	067	30	20	012	1091	057	23	027	1238	045	25	028	1417	035	21	017			
26	0964	067	42	18	039	1090	058	22	039	1238	047	25	038	1418	035	25	035			
27	0964	067	48	17	026	1090	058	22	036	1237	046	24	028	1415	032	24	024			
28	0964	068	35	14	015	1090	059	25	021	1238	046	28	028	1416	032	28	022			
29	0962	066	51	10	014	1087	057	34	009	1234	044	29	026	1411	030	29	028			
30	0965	068	41	08	002	1091	057	32	007	1237	045	29	011	1417	033	28	028			

TABLE IX — continued

November 1964

Day	100 mb			70 mb			50 mb			30 mb			Tropopause	Radar Comp. above	Remarks
	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Pres- sure mb		
01	1650	018	07 014												Tropopause not defined
02	1650	017	02 007	1853	026	23 018							094 016	100	
03	1649	019	05 011	1850	027	26 025							097 016	142	
04	1657	018	15 008	1859	027	29 023	2059	032	26 035				096 016	104	
05	1653	016	18 014	1854	024	25 011	2050	030	21 026	2362	040	24 043	099 017	030	
06	1656	016	12 013	1855	024	21 012							098 015	116	
07	1655	015	19 012	1854	028	29 008	2057	036	28 019	2369	035		095 013		Tropopause not defined
08			03 021												
09	1653	016	04 024	1854	027	24 028	2055	032					090 012	283	
10	1644	013	04 009	1845	026	23 020	2043	031	27 022	2352	036	27 027	094 010	048	
11	1649	016	07 012	1849	020	29 020	2046	033					092 013		
12	1652	017	09 015	1857	027	26 021	2059	035	25 026	2372	039	03 020	104 017	034	
13	1648	015	10 011	1847	024	28 016	2046	034	27 021				092 012		Tropopause not defined
14															
15	1650	018	35 012	1850	021	30 015							085 015	155	
16	1648	018	01 004										096 017		
17	1644	017	09 020										104 017		
18	1640	018	07 023										104 014		
19	1648	019	05 014										103 019		Tropopause not defined
20			06 025			25 016									
21	1650	016	04 017	1850	024	33 005							095 014	060	
22	1657	019	10 013	1862	028		2047	031	27 022	2357	035		100 019	132	
23	1648	016	02 011	1843	023								084 010	140	
24	1655	018	02 008											192	
25	1653	016	35 004	1850	024	06 016	2049	032	27 014				087 013		Tropopause not defined
26	1655	018	20 004												
27	1649	017	14 011												
28	1649	017	14 023												
29	1640	014	09 017												
30	1651	018	—	1850	024	—	2051	036					093 016		

TABLE IX - HEIGHT, TEMPERATURE, HUMIDITY AND WIND AT PRESSURE LEVELS
AT SEYCHELLES

Day	December 1964											
	1000 mb height			Surface			900 mb			850 mb		
	metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir.	Wind Speed knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir.	Wind Speed knots	Height metres	Temp. (+ 100) °C
01	0099	123	94	—	000	1015	117	92	24	008	1502	115
02	0102	126	78	22	006	1020	118	81	27	024	1508	115
03	0106	126	73	—	000	1028	119	83	27	014	1518	116
04	0112	125	75	29	005	1030	118	74	25	017	1519	116
05	0112	125	83	—	000	1029	118	72	25	017	1517	115
06	0107	123	90	—	000	1019	117	81	22	008	1505	115
07	0110	125	83	—	000	1027	118	87	23	006	1515	115
08	0103	124	91	27	007	1023	120	78	27	007	1513	116
09	0099	126	73	28	004	1016	120	68	31	008	1506	116
10	0088	123	93	—	000	1004	119	73	27	010	1494	116
11	0091	123	91	—	000	1007	119	80	27	004	1497	117
12	0089	122	87	27	002	1007	120	78	17	003	1498	117
13	0078	123	91	28	004	0997	119	75	10	007	1487	116
14	0077	124	95	—	000	0996	119	79	11	005	1486	117
15	0082	124	91	—	000	0999	119	73	32	006	1489	116
16	0075	123	92	24	002	0991	119	72	15	002	1480	116
17	0077	124	92	27	003	0996	119	80	06	008	1486	116
18	0084	124	91	—	000	1005	120	78	13	007	1496	117
19	0078	123	92	—	000	0996	119	67	—	—	1487	117
20	0070	124	93	—	000	0990	119	75	—	—	1481	117
21	0079	124	93	28	006	1001	119	85	—	—	1491	116
22	0095	125	83	25	008	1014	120	73	—	—	1505	117
23	0095	126	77	26	007	1012	119	74	—	—	1500	115
24	0085	123	94	29	004	1002	119	86	—	—	1492	116
25	0075	125	88	27	007	0994	119	91	—	—	1484	117
26	0078	124	85	32	005	0994	117	100	—	—	1484	115
27	0079	125	83	30	013	0993	119	75	—	—	1483	116
28	0072	126	79	02	003	0991	118	80	—	—	1480	116
29	0078	124	93	28	004	0992	119	79	—	—	1481	116
30	0075	123	91	05	002	0994	119	76	—	—	1484	116
31	0068	125	85	28	008	0984	119	78	—	—	1474	116

TABLE IX - continued

December 1964																
Day	700 mb				600 mb				500 mb				400 mb			
	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots	Height metres	Temp. (+ 100) °C	Rel. hum. per cent	Wind Dir. Speed tens degs knots
01	3127	108	72	23 013	4382	100	73	21 012	5823	092	77	16 010	7529	082	62	17 006
02	3125	106	80	26 010	4375	101	54	13 003	5822	093	44	13 019	7526	083	15	14 014
03	3139	105	80	27 009	4390	100	69	02 009	5824	093	63	09 011	7530	083	23	13 014
04	3148	108	58	29 012	4406	101	31	35 010	5849	093	52	06 019	7539	082	53	09 011
05	3146	109	31	27 007	4402	100	45	03 010	5837	091	34	05 021	7542	082	27	06 015
06	3132	108	39	11 007	4389	101	31	05 010	5828	092	45	09 013	7530	083	21	08 011
07	3142	108	43	14 008	4398	101	64	13 013	5843	091	32	10 007	7540	083	22	10 011
08	3140	107	99	14 007	4394	100	62	12 021	5836	092	44	12 021	7544	083	41	14 020
09	3130	107	86	23 006	4380	100	27	13 018	5821	092	51	10 019	7522	083	24	08 014
10	3122	108	65	07 009	4377	101	50	08 020	5822	093	46	11 019	7527	082	39	12 026
11	3125	108	67	08 014	4379	100	63	08 018	5814	090	64	08 025	7509	081	30	05 024
12	3130	108	69	11 018	4388	101	68	08 015	5832	093	58	08 020	7543	083	35	03 015
13	3122	109	64	09 007	4382	101	61	09 011	5823	091	54	09 012	7526	082	36	11 005
14	3120	108	58	08 008	4383	102	46	11 010	5831	094	21	08 010	7542	083	22	17 005
15	3116	107	81	09 010	4371	102	43	11 019	5814	093	33	10 017	7527	083	26	17 018
16	3110	110	33	10 016	4372	102	42	07 017	5815	092	33	09 008	7521	081	31	15 012
17	3119	108	76	06 011	4377	102	43	07 021	5825	093	30	06 009	7532	083	32	14 010
18	3127	109	58	11 012	4385	101	56	08 019	5828	093	29	06 013	7532	082	28	20 006
19	3119	108	73	—	4377	102	60	—	5823	093	42	—	7525	082	33	—
20	3116	109	65	—	4377	102	63	—	5825	093	42	—	7534	082	32	—
21	3126	109	59	—	4388	103	66	—	5841	094	44	—	7556	084	36	—
22	3140	108	72	—	4394	100	82	—	5838	094	80	—	7550	083	71	—
23	3120	106	68	—	4366	099	63	—	5802	092	72	—	7513	083	71	—
24	3119	107	83	—	4374	100	89	—	5820	093	86	—	7532	083	78	—
25	3116	107	80	—	4374	101	72	—	5817	091	41	—	7517	082	69	—
26	3114	107	100	—	4371	101	99	—	5819	093	100	—	7528	083	81	—
27	3109	107	78	—	4360	099	79	—	5799	092	59	—	7501	082	31	—
28	3115	108	73	—	4370	101	75	—	5813	092	63	—	7520	082	60	—
29	3112	107	77	—	4367	100	83	—	5807	092	81	—	7505	081	67	—
30	3116	108	70	—	4371	100	70	—	5815	093	71	—	7521	083	62	—
31	3103	107	68	—	4355	100	70	—	5798	092	70	—	7507	083	38	—

TABLE IX - HEIGHT, TEMPERATURE, HUMIDITY AND WIND AT PRESSURE LEVELS
AT SEYCHELLES (continued)

December 1964

Day	300 mb					250 mb					200 mb					150 mb				
	Height	Temp. (+ 100)	Rel. hum.	Wind Dir.	Wind Speed	Height	Temp. (+ 100)	Wind Dir.	Wind Speed	Height	Temp. (+ 100)	Wind Dir.	Wind Speed	Height	Temp. (+ 100)	Wind Dir.	Wind Speed			
	deca- metres	°C	per cent	tens degs	knots	deca- metres	°C	tens degs	knots	deca- metres	°C	tens degs	knots	deca- metres	°C	tens degs	knots			
01	0962	067	47	12	002	1087	056	35	010	1233	043	33	013	1411	032	25	035			
02	0962	067	17	20	010	1087	056	20	009	1233	045	27	024	1410	030	24	030			
03	0963	068	27	24	005	1090	059	26	021	1237	046	27	028	1415	033	26	013			
04	0965	067	30	27	019	1091	057	27	010	1237	044	09	004	1414	031	08	013			
05	0962	065	24	30	008	1087	055	01	011	1231	043	08	026	1409	030	31	019			
06	0962	066	23	32	007	1087	056	01	020	1233	045	03	033	1411	031	32	020			
07	0963	068	17	05	028	1089	056	03	029	1235	045	02	016	1413	033	32	011			
08	0963	067	38	07	026	1089	058	06	031	1236	046	01	008	1415	034	16	011			
09	0961	066	21	07	023	1086	057	07	018	1232	044	09	019	1409	031	26	019			
10	0963	068	24	13	015	1088	057	14	025	1235	047	14	016	1416	033	29	017			
11	0959	067	22	12	018	1085	057	15	020	1231	045	07	013	—	—	32	004			
12	0963	067	30	34	010	1088	057	21	007	1235	046	01	014	1415	034	35	023			
13	0961	067	25	24	014	1087	056	33	016	1233	046	34	030	1411	032	31	032			
14	0963	067	20	35	010	1089	056	35	024	1235	044	35	020	1412	030	28	033			
15	0963	067	24	34	010	1089	059	28	009	1238	047	27	030	1416	031	27	048			
16	0961	067	15	24	019	1086	056	25	020	1233	045	29	024	1410	031	27	037			
17	0963	068	25	29	016	1089	057	27	025	1235	045	28	030	1413	030	29	028			
18	0962	067	22	30	016	1088	058	30	024	1235	044	31	022	1412	030	27	035			
19	0961	066	55	—	—	1086	055	—	—	1231	045	—	—	1409	030	—	—			
20	0962	067	55	—	—	1088	057	—	—	1235	046	—	—	1414	035	—	—			
21	0965	067	54	—	—	1091	058	—	—	1238	045	—	—	1416	032	—	—			
22	0964	068	57	—	—	1091	058	—	—	1237	045	—	—	1415	031	—	—			
23	0961	068	66	—	—	1087	058	—	—	1234	045	—	—	1413	035	—	—			
24	0964	069	61	—	—	1090	058	—	—	1237	046	—	—	1416	033	—	—			
25	0961	067	64	—	—	1087	057	—	—	1233	045	—	—	1412	035	—	—			
26	0963	068	68	—	—	1089	057	—	—	1235	045	—	—	1412	033	—	—			
27	0959	067	35	—	—	1085	059	—	—	1232	046	—	—	1410	032	—	—			
28	0960	066	57	—	—	1085	054	—	—	1229	042	—	—	1405	028	—	—			
29	0959	066	46	—	—	1084	057	—	—	1230	043	—	—	1405	028	—	—			
30	0961	067	45	—	—	1086	055	—	—	1232	043	—	—	1408	028	—	—			
31	0960	067	42	—	—	1086	057	—	—	1233	046	—	—	1411	031	—	—			

December 1964

TABLE IX -- continued

Day	100 mb			70 mb			50 mb			30 mb			Tropopause		Radar Comp. above	Remarks
	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Height deca- metres	Temp. (+ 100) °C	Wind Dir. Speed tens degs knots	Pres- sure mb	Temp. (+ 100) °C		
01	1641	014	16 025	1841	026	35 005							101	014		Tropopause not defined
02	1650	016	24 007										091	012		
03	1649	017	06 009	1850	029	25 013							096	015		
04	1649	017	06 009	1846	029	28 033	2046	031	27 030	2359	037		103	015		Tropopause not defined
05	1640	016	07 027										095	014		
06	1643	015	13 010													
07	1647	015	20 008	1846	019								095	014	120	
08																
09	1640	013	15 003	1838	023	03 002							095	011		Tropopause not defined
10	1650	016	17 017										088	013		
11			27 009			21 002			23 023							
12	1650	016	23 020	1850	026	20 006	2051	034	27 016	2367	041	28 008	095	013	034	
13	1644	015	18 016	1844	025	14 011	2043	035	29 021				093	013		Tropopause not defined
14	1644	016	26 023										089	012		
15	1650	017	26 021										087	013	193	
16	1644	016	33 019													Tropopause not defined
17	1647	017														
18	1645	018	30 022	1847	029								088	014	202	Tropopause not defined
19	1643	019		1845	025		2044	031					088	016		Tropopause not defined
20	1651	020		1850	016		2044	025		2349	041		108	020		
21	1652	022											125	023		
22	1648	017		1848	023		2044	030		2353	036		104	016		Tropopause not defined
23	1651	021		1850	018		2045	031					075	014		
24	1655	021														
25	1649	018		1845	019								085	012		Tropopause not defined
26	1648	018														
27	1647	017		1844	035								090	014		
28	1632	013		1831	026								109	013		Tropopause not defined
29	1635	013		1835	025		2032	032					102	013		
30	1637	017											103	016		
31	1647	021		1845	021		2043	031					074	013		Tropopause not defined

TABLE X – MONTHLY MEAN ZONAL WIND COMPONENTS,
(SEPTEMBER 1963 TO DECEMBER 1964)
(Components from the west are positive)

	1000	900	850	800	700	600	500	400	300	250	200	150	100	70	50
	<i>knots</i>														
Sept. 1963	-4.1	-12.2	-9.7	-5.8	-1.9	-5.6	-9.2	-6.9	-4.8	-7.9	-11.3	-6.9	-12.0	-36.7	-24.1
Oct.	-0.5	-2.7	-0.2	2.2	-0.3	-5.1	-8.9	-7.1	-10.7	-13.0	-9.6	-2.2	-7.1	-24.4	-4.4
Nov.	1.7	-1.4	-1.3	-2.2	-5.7	-8.7	-11.6	-6.7	-7.1	-6.2	-4.0	1.1	-0.1	-5.8	12.1
Dec.	3.1	7.2	8.1	8.5	2.8	-1.8	-2.4	-2.3	-1.9	-5.9	-15.6	-10.8	9.3	3.8	11.6
Jan. 1964	3.7	9.8	9.6	8.1	6.4	5.0	2.4	-1.3	-9.4	-14.7	-20.7	-14.1	-8.2	-2.1	2.7
Feb.	2.6	8.5	16.8	13.3	9.7	5.9	0.4	-4.5	-15.4	-19.8	21.7	-15.8	2.7	-1.3	8.1
Mar.	1.9	3.1	6.2	7.6	4.7	-1.3	-3.2	-4.1	-10.9	-14.8	-14.6	-4.3	-4.4	-4.2	6.2
April	5.0	11.1	10.9	9.2	6.8	0.4	-4.3	-6.3	-11.0	-11.8	-12.9	-8.1	-12.4	-3.2	16.2
May	0.0	-2.9	-0.9	4.4	7.0	2.5	-3.2	-5.4	-6.5	-7.3	-15.7	-25.0	-4.3	5.2	17.0
June	-3.7	-9.7	-9.8	-6.8	-0.3	1.7	-1.0	-2.5	-15.3	-21.5	-30.8	-46.1	10.6	14.6	23.0
July	-3.1	-11.3	-10.9	-6.0	3.3	4.2	0.1	-4.2	-11.4	-20.6	-34.9	-43.8	-1.6	22.6	24.1
Aug.	-3.9	-14.6	-14.1	-8.6	0.4	0.2	-1.4	-5.6	-15.4	-25.3	-39.5	-61.2	-1.8	20.1	34.7
Sept.	-3.0	-11.7	-9.7	-2.0	9.4	8.9	3.2	-1.3	-12.7	-18.4	-31.6	-41.4	4.6	16.3	28.8
Oct.	-0.7	-4.1	-1.3	3.4	6.3	-1.9	-4.0	-2.0	4.5	5.8	-0.5	-3.2	-11.0	15.9	29.6
Nov.	1.7	-0.1	2.2	3.4	-0.2	-5.4	-12.4	-7.0	5.5	0.6	10.5	11.4	-8.7	12.9	21.3
Dec.	2.7	5.2	4.0	2.7	-3.6	-11.0	-13.8	-9.1	0.4	2.0	4.1	18.6	3.3	5.8	21.0

TABLE XI – MONTHLY MEAN MERIDIONAL WIND COMPONENTS,
(SEPTEMBER 1963 TO DECEMBER 1964)
(Components from the south are positive)

	1000	900	850	800	700	600	500	400	300	250	200	150	100	70	50
	<i>knots</i>														
Sept. 1963	5.8	10.3	8.0	5.0	1.5	1.6	0.6	1.3	-3.6	-5.2	-10.0	-8.9	-2.7	0.8	0.2
Oct.	1.3	5.1	4.8	4.1	2.1	1.5	3.4	0.9	-5.6	-4.8	-4.2	-4.7	-3.9	0.9	-1.7
Nov.	0.5	3.1	2.9	3.3	2.0	1.4	0.0	-0.7	-4.1	-4.4	-5.8	-3.6	2.4	0.3	0.0
Dec.	-0.6	1.0	1.1	1.1	2.0	-0.6	0.4	1.6	0.8	-2.0	-1.7	-1.1	1.5	1.2	0.0
Jan. 1964	-0.7	-2.3	-0.1	2.5	2.0	-1.3	-0.3	1.7	1.8	2.4	2.0	-4.3	-0.6	0.4	1.9
Feb.	-1.3	-4.0	-1.4	1.3	1.4	1.5	0.5	-1.5	-0.8	3.3	7.8	6.3	-1.2	1.9	4.9
Mar.	-0.9	-0.8	1.7	1.7	2.4	2.4	3.1	0.7	-0.1	0.9	3.7	1.0	-0.7	1.8	1.4
Apr.	0.8	0.1	-0.5	-0.3	1.9	2.4	-1.8	-2.3	2.3	2.3	2.1	3.6	-4.7	1.0	0.1
May	3.5	7.9	7.1	5.6	2.2	1.9	2.0	0.7	-0.8	-3.5	-8.2	-10.1	-1.8	-0.3	-1.6
June	6.0	10.4	10.4	8.6	6.6	3.7	2.9	0.0	1.8	-3.2	-13.1	-17.5	0.6	-0.7	1.8
July	6.3	16.4	16.0	13.3	9.2	6.0	5.8	4.5	-3.4	-10.8	-10.1	-12.4	0.5	1.5	1.1
Aug.	7.2	15.0	12.6	10.0	5.8	1.6	-0.1	-0.3	-1.6	-6.6	-14.0	-18.5	2.8	-1.0	1.9
Sept.	5.1	12.0	10.6	8.9	5.7	2.9	1.4	-1.6	-2.1	-4.5	-12.0	-17.4	0.2	2.4	3.8
Oct.	2.3	6.6	6.2	5.8	3.7	3.7	2.9	0.9	-1.4	-4.5	-8.1	-9.0	-2.5	-0.3	1.4
Nov.	0.5	4.0	4.5	4.1	4.1	2.8	2.4	2.0	3.0	1.6	1.0	5.8	-2.9	1.9	3.6
Dec.	-0.4	1.4	2.1	1.8	1.3	-0.5	0.0	3.7	-2.1	-4.6	-8.2	-3.1	3.9	1.2	2.4

TABLE XII – MONTHLY MEAN TEMPERATURES FOR THE SEYCHELLES,
SEPTEMBER 1963 TO DECEMBER 1964

	1000	900	850	800	700	600	500	400	300	250	200	150	100	70	50
Sept. 1963	25.0	17.9	16.2	14.3	9.0	1.4	-6.4	-16.8	-31.7	-41.9	-53.8	-66.5	-78.3	-73.5	-62.0
Oct.	24.8	19.1	16.9	14.6	8.3	1.2	-6.9	-16.2	-31.6	-41.4	-53.2	-66.7	-79.4	-76.9	-62.1
Nov.	24.7	19.5	17.1	14.5	8.8	1.7	-6.7	-16.9	-31.6	-41.7	-53.7	-68.1	-81.0	-75.4	-75.0
Dec.	24.5	19.6	17.0	14.5	8.7	1.7	-6.2	-16.6	-31.9	-42.2	-54.2	-67.5	-79.8	-75.5	-64.9
Jan. 1964	25.3	19.7	17.0	14.5	8.8	1.5	-6.3	-16.5	-30.9	-41.2	-53.1	-66.2	-80.2	-77.5	-67.7
Feb.	25.7	20.0	17.3	15.1	9.3	2.1	-6.4	-16.5	-31.4	-41.3	-53.3	-66.3	-79.2	-76.9	-68.1
Mar.	25.7	20.1	17.8	15.6	9.6	2.1	-5.9	-16.2	-31.4	-41.3	-53.5	-67.0	-81.0	-77.2	-66.6
Apr.	26.6	20.9	18.4	15.6	9.6	2.1	-6.1	-15.6	-30.6	-40.6	-52.4	-66.3	-81.5	-79.3	-65.9
May	25.9	19.3	17.3	15.2	9.6	2.3	-6.0	-16.1	-31.5	-41.4	-53.4	-67.3	-80.0	-74.8	-65.6
June	25.3	18.8	17.0	15.0	9.0	1.4	-6.4	-17.3	-32.9	-43.2	-55.2	-68.0	-72.2	-71.5	-62.3
July	24.9	18.0	16.1	14.0	8.3	1.8	-6.7	-17.7	-33.3	-43.3	-55.5	-67.4	-74.1	-67.3	-64.0
Aug.	24.4	17.5	16.0	14.1	7.9	1.1	-6.4	-17.6	-33.1	-43.0	-55.1	-67.6	-74.0	-68.7	-63.1
Sept.	24.7	17.8	15.8	14.6	8.4	0.5	-6.6	-17.2	-32.6	-42.9	-55.3	-67.1	-76.4	-70.2	-64.8
Oct.	24.4	17.8	15.5	13.3	7.7	-0.1	-7.1	-17.4	-32.8	-42.9	-54.9	-67.9	-81.1	-71.9	-66.9
Nov.	23.5	18.8	16.3	13.5	7.8	0.9	-7.3	-17.1	-32.7	-42.5	-53.8	-67.0	-83.1	-75.1	-67.1
Dec.	24.2	18.8	16.0	13.4	7.7	0.8	-7.6	-17.5	-32.9	-43.1	-55.1	-68.4	-83.1	-75.6	-68.9

TABLE XIII – MONTHLY MEAN RELATIVE HUMIDITY PER CENT
AT THE SEYCHELLES,
SEPTEMBER 1963 TO DECEMBER 1964

	1000	900	850	800	700	600	500	400	300
	<i>per cent</i>								
Sept. 1963	89	84	78	71	53	56	47	38	34
Oct.	87	81	73	64	65	63	62	37	33
Nov.	90	81	74	71	63	60	59	49	28
Dec.	89	78	72	65	60	57	48	41	34
Jan. 1964	88	81	78	74	68	67	64	61	53
Feb.	87	78	73	64	54	55	57	47	45
Mar.	89	81	73	59	51	60	47	37	36
Apr.	83	75	69	68	62	66	61	45	42
May	83	82	74	60	47	42	41	38	33
June	83	81	70	57	43	37	33	34	36
July	82	82	76	63	45	38	36	31	42
Aug.	82	84	77	62	46	39	25	35	41
Sept.	83	86	78	61	58	49	37	37	33
Oct.	83	79	76	66	59	51	36	25	21
Nov.	89	75	69	64	55	55	49	33	30
Dec.	87	79	78	75	69	61	54	42	37

© *Crown copyright 1968*

Printed and published by
HER MAJESTY'S STATIONERY OFFICE

To be purchased from
49 High Holborn, London W.C.1
13A Castle Street, Edinburgh 2
109 St. Mary Street, Cardiff CF1 1JW
Brazennose Street, Manchester M60 8AS
50 Fairfax Street, Bristol BS1 3DE
258 Broad Street, Birmingham 1
7 Linenhall Street, Belfast BT2 8AY
or through any bookseller

Printed in England