

ROYAL OBSERVATORY, HONG KONG

Climatological Note No. 2

TECHNICAL NOTE NO. 60

CLIMATOLOGY OF CAPE COLLINSON

1968 - 1973

by

R. LAU AND W.C. POON

July, 1976

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<u>CONTENTS</u>	<u>PAGE</u>
1. INTRODUCTION	1
2. HISTORY OF THE STATION	2 - 3
3. LOCATION MAP OF CAPE COLLINSON AERONAUTICAL METEOROLOGICAL STATION	4
4. A BIRD'S EYE VIEW OF THE STATION FROM THE SOUTHEAST	5
5. INSTRUMENTS AND METHODS OF MEASUREMENT	6 - 7
6. EXPLANATION OF TABLES, DIAGRAMS AND GRAPHS	8 - 9
7. REFERENCES	10
8. TABLES, DIAGRAMS AND GRAPHS	
(i) MONTHLY AND ANNUAL WIND ROSES	11 - 23
(ii) VECTOR DIAGRAMS SHOWING THE DIURNAL VARIATION OF WIND FOR EACH MONTH	24 - 35
(iii)	
(a) MEAN NUMBER OF SIMULTANEOUS OCCURRENCES OF SPECIFIED VISIBILITY RANGES AND SPECIFIED RANGES OF THE HEIGHT OF THE BASE OF THE LOWEST CLOUD LAYER COVERING 5 OKTAS OR MORE OF THE SKY - MONTHLY TABLES	36 - 41
(b) MEAN NUMBER OF SIMULTANEOUS OCCURRENCES OF SPECIFIED VISIBILITY RANGES AND SPECIFIED RANGES OF THE HEIGHT OF THE BASE OF THE LOWEST CLOUD LAYER COVERING 1 OKTA OR MORE OF THE SKY - MONTHLY TABLES	42 - 47
(iv) CLIMATOLOGICAL SUMMARY, 1968 - 1973	48 - 49
(v) TABLE OF HOURLY MEANS OF	
(a) MEAN SEA-LEVEL PRESSURE	50
(b) AIR TEMPERATURE	51
(c) WET-BULB TEMPERATURE	52
(d) DEW POINT	53
(e) RELATIVE HUMIDITY	54
(f) CLOUD AMOUNT	55
(vi) GRAPHS SHOWING THE DIURNAL VARIATION IN EACH MONTH OF :	
(a) MEAN SEA-LEVEL PRESSURE	56
(b) AIR TEMPERATURE	57
(c) WET-BULB TEMPERATURE	58
(d) RELATIVE HUMIDITY	59
(e) CLOUD AMOUNT	60

INTRODUCTION

The data used in this note are hourly observations taken at Cape Collinson between January 1968 and December 1973. A total of 52,608 observations on punched cards were processed on the Observatory's IBM 1130 computer. Observations taken during the years 1964-1967 are not included in the present analysis, as different codes were in use. However, according to W.M.O., analyses based on observational data covering a period of 6 years are considered adequate for climatological purposes.

Programs were developed to print out monthly tables for various meteorological elements while quality control and validation of data were carried out manually.

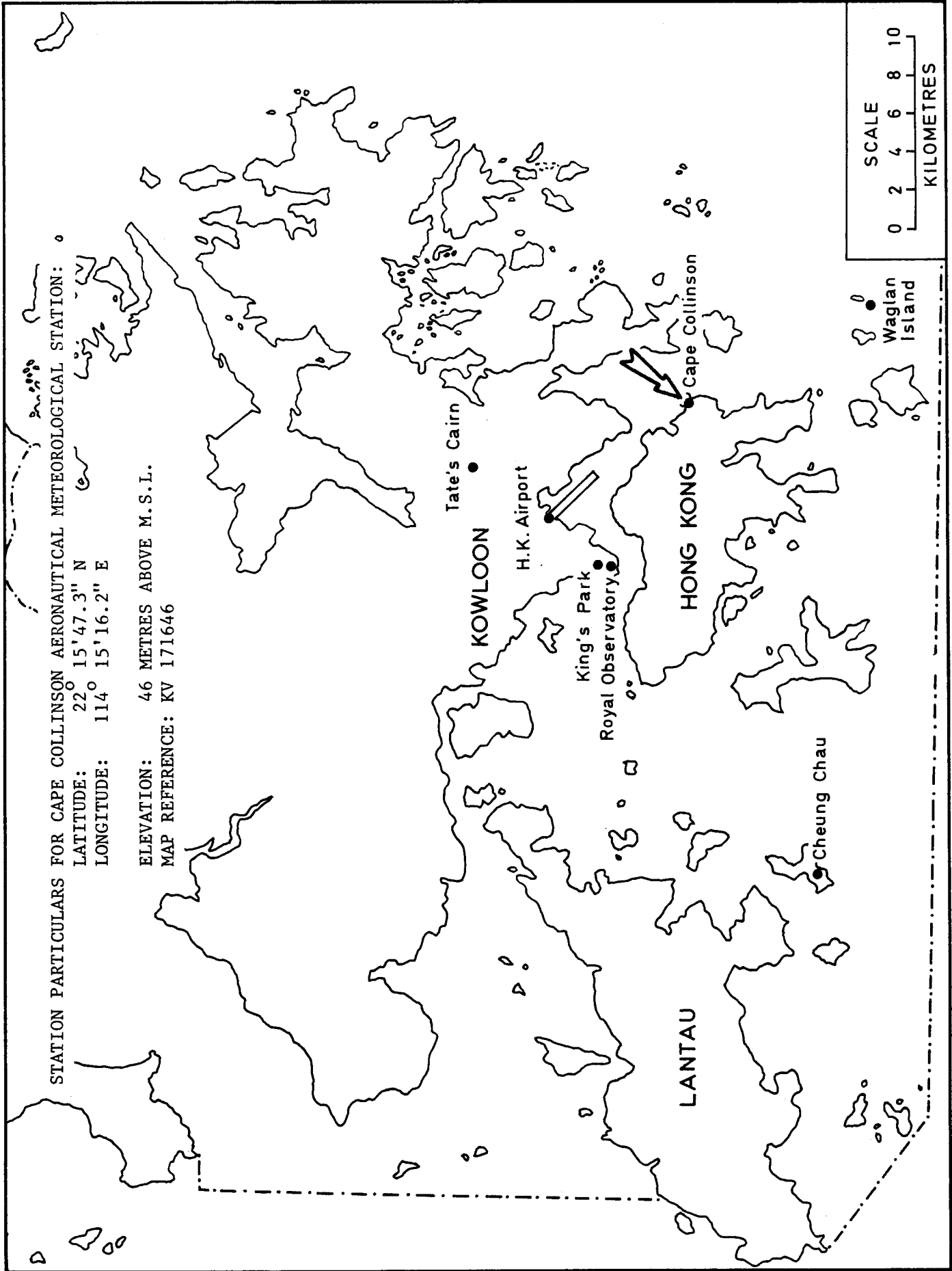
HISTORY OF THE STATION

The establishment of the Cape Collinson Aeronautical Meteorological Station was first suggested by the Director of Civil Aviation in February, 1959. In his correspondence with the Director of Royal Observatory, he pointed out that with the new runway, the critical point for aircraft taking off on the 134° heading was no longer over Waglan Island, 16 km from the threshold, but in the area between Lei Yue Mun and Tathong Point, 6 km from the threshold to runway 31. Furthermore, after the installation of I.L.S. (Instrumental Landing System) and P.A.R. (Precision Approach Radar), reports from the area would be of great value for instrumental approaches on Runway 31, giving an estimate of slope visibility from the area in which the aircraft might be expected to break through the clouds. Such reports would also be of value to aircraft making visual approaches from Lei Yue Mun using the contemporary navigational aids.

A suitable site for such an observing station was found on Cape Collinson, being both easily accessible and having a view of the end of the runway, Lei Yue Mun, Tathong Point and Waglan Island. In 1960, it was decided that a new meteorological station at Cape Collinson should be established on the site of the existing lighthouse. It was also proposed that the meteorological station at Waglan Island would be handed over to the Director of Marine Department and his staff would continue to make weather observations every 3 hours or every half-hour on request. This scheme was approved in September 1961 and the building work eventually commenced on 1st January 1963. The project was completed in November 1963 at a cost of about HK\$146,000. On New Year's Day, 1964, exactly one year after commencement of construction, Cape Collinson Station became operational. The number '45008' was allocated to the new station and it was included in the ICAO regional plan.

Scientific Assistants were on duty 24 hours daily and half-hourly observations were made and passed to the Airport for inclusion in the VOLMET broadcast. Voice communication between Cape Collinson, the Airport and the Royal Observatory was maintained by VHF radio-telephone transceiver sets on a frequency of 72.3 MHz. The staff were also responsible for the operation of the marine light at the lighthouse.

No major changes were made in the instrumentation or operation of the station for ten years. In January, 1974, the Civil Aviation Department commissioned a new Instrument Guidance System and the value of the meteorological observations from Cape Collinson was greatly reduced. Whilst the meteorological reports still retained some value for forecasting purposes, the expenditure incurred for 24-hour operations at Cape Collinson could no longer be justified. The Royal Observatory therefore closed the station and the last observation made was at 0000 GMT on 18th July, 1974.



THE LOCATIONS OF METEOROLOGICAL STATIONS

A BIRD'S EYE VIEW OF THE STATION FROM THE SOUTHEAST



INSTRUMENTS AND METHODS OF MEASUREMENT

1. ATMOSPHERIC PRESSURE

The barometer used was a Kew pattern No. 3390/46/48/50 manufactured by F. Darton and Company Limited. Correction for index error, adjustment of the readings to the standard temperature of 0°C and the standard gravity of 9.80665 m/s², and reduction to mean sea-level were carried out using the methods described in the 'Guide to Meteorological Instruments and Observing Practices' published by the World Meteorological Organisation, WMO - No. 8 TP 3.

Height of cistern above floor = 0.78 m

Height of cistern above mean sea-level = 47.67 m

Height of floor above mean sea-level = 46.90 m

A Casella barograph (No. 931) kept a continuous record of the mean sea-level pressure and this was used to check the accuracy of the hourly readings.

2. AIR TEMPERATURE, DEW POINT AND RELATIVE HUMIDITY

The thermometers were placed in a Stevenson Screen with their bulbs about 1.25 metres above ground level. Values of dew point temperatures and relative humidity were calculated from the dry- and wet-bulb readings, using a Meteorological Office Mark 6 humidity slide rule.

The maximum and minimum thermometers were similarly exposed, both being read twice daily at 0800 hours and midnight.

A Negretti and Zambra mercury-in-steel distant recording thermograph (T/510191) was installed on 26th June, 1964 and kept a continuous record of the dry and wet-bulb temperatures. This was used to check the accuracy of the hourly readings.

3. WIND

Winds were measured by a Dines pressure-tube anemograph incorporating a twin-pen direction recorder, manufactured by R.W. Munro Limited. The head was 10.06 metres above the roof of the building (59.4 metres above mean sea-level). The wind at the station is affected by the nearby steep hills, as can be deduced from the photograph of the site on page 5. The station appeared to have been over-exposed to northerly winds but sheltered from easterlies and southeasterlies.

4. RAINFALL

Daily rainfall had been recorded since September, 1953 with an ordinary 5" standard raingauge by the lighthouse keepers. Readings of hourly rainfall were taken after the station became operational on 1st January, 1964. At the same time, a 5" natural siphon raingauge was installed. On 13th February, 1970, the natural siphon raingauge was replaced by a 5" Dines Tilting Siphon raingauge.

5. CLOUD

Visual observations of cloud type and amount, and estimates of the height of the cloud base were made with reference to well-marked topographical features.

At night, the height of the cloud base was measured by means of a cloud searchlight whenever cloud was present below the limits of penetration of the beam. The alidade was fixed on a post outside the observing room. The cloud searchlight was set up at a distance of 258.6 metres away from the alidade.

Height of cloud searchlight above mean sea-level = 52.9 m

Height of Alidade above mean sea-level = 48.4 m

Height of Alidade above station level = 1.5 m

6. VISIBILITY

Eye estimates of horizontal visibility were made with reference to well-marked topographical features.

EXPLANATION OF TABLES, DIAGRAMS AND GRAPHS

1. MONTHLY AND ANNUAL WIND ROSES

The total number of occurrences of concurrent wind speed and direction is computed for each month. Wind directions are grouped into ranges of 30° and wind speeds in knots into categories as follows : 1-6, 7-16, 17-27, ≥ 28 . The percentage frequencies are plotted in the form of wind roses.

2. DIURNAL VARIATION OF WIND

Hourly vector mean winds are computed for each month. These are plotted onto vector diagrams. The monthly resultant wind is shown by an asterisk.

3. MEAN NUMBER OF SIMULTANEOUS OCCURRENCES OF SPECIFIED VISIBILITY RANGES AND SPECIFIED RANGES OF THE HEIGHT OF THE BASE OF THE LOWEST CLOUD LAYER COVERING 5 OKTAS OR MORE OF THE SKY

This analysis is made to conform with Model A of the Climatological Summary in WMO Technical Regulations - Volume I, No. 49, 1971 Edition. A similar analysis is made for occasions when the lowest cloud layer covered 1 okta or more of the sky.

Monthly tables are given on pages 36 to 47.

Ranges for the height of the base of cloud are given in hundreds of feet, and are to be interpreted as follows : height of base of cloud equal to or greater than (lower limit) but less than (upper limit).

'OBSC' in the table means that the sky is obscured and the height of the base of cloud is not observed.

Ranges for the visibility are given in kilometres and are to be interpreted as follows : visibility equal to or greater than (lower limit) but less than (upper limit).

An entry in the table gives the mean number of occurrences in the specified category during the period of record. The entry is nK/s , where n = total number of observed occurrences in the category, K = number of days in the month and s = total number of observations available. An entry "*" indicates that the mean number is greater than zero but less than 0.05.

4. CLIMATOLOGICAL SUMMARY

This table was prepared according to paragraph 12.2 of Chapter 12 in 'Guide to Climatological Practices' - WMO - No. 100 TP 44.

5. TABLES OF HOURLY MEANS OF METEOROLOGICAL ELEMENTS

Hourly means in each month for the following elements are tabulated on pages 50 to 55.

- (a) mean sea-level pressure
- (b) air temperature
- (c) wet-bulb temperature
- (d) dew point
- (e) relative humidity
- (f) cloud amount

6. GRAPHS SHOWING THE DIURNAL VARIATION OF METEOROLOGICAL ELEMENTS

These graphs are plotted using the figures in (5) above. Monthly graphs for the following elements are shown on pages 56 to 60.

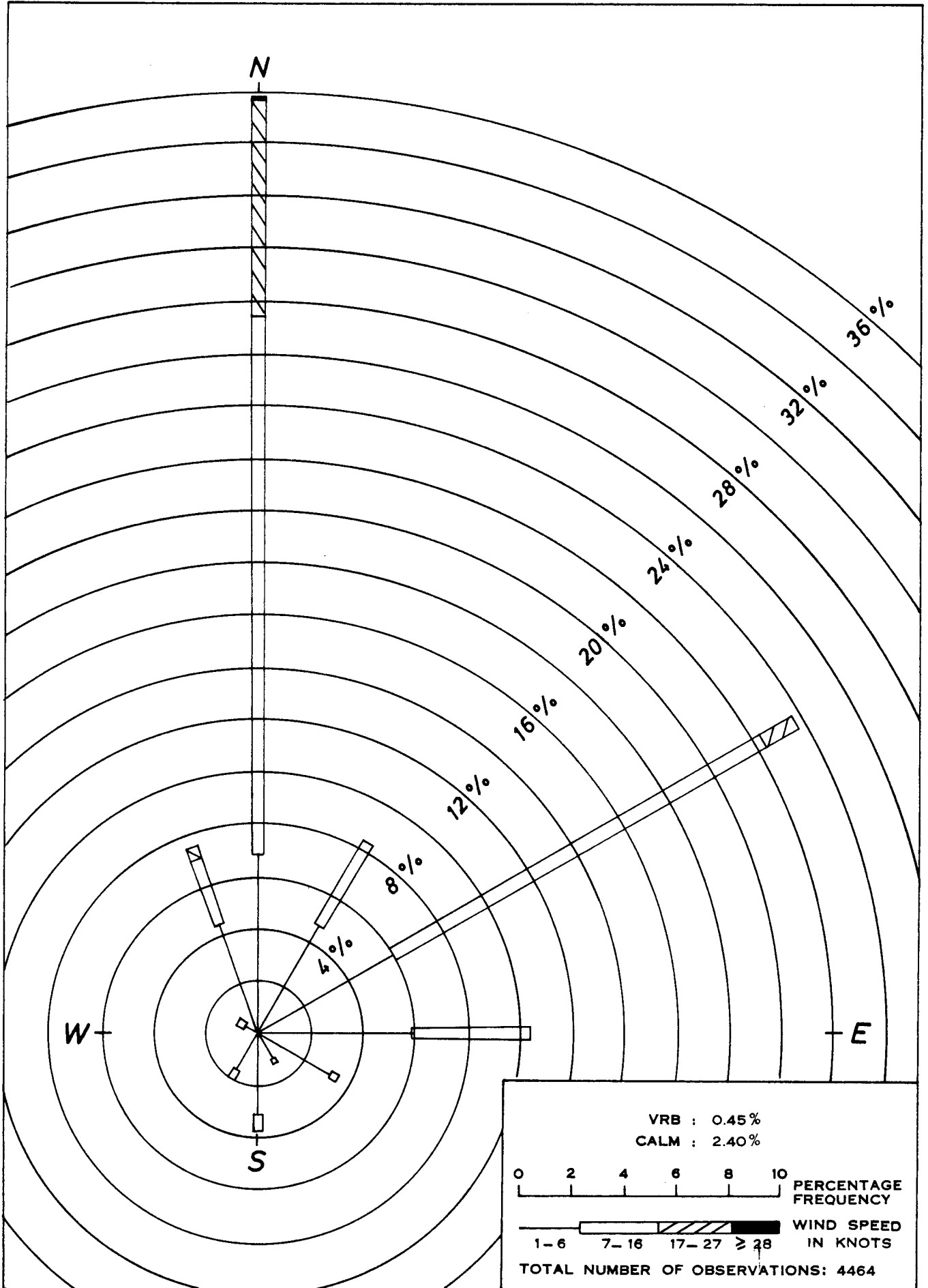
- (a) mean sea-level pressure
- (b) air temperature
- (c) wet-bulb temperature
- (d) relative humidity
- (e) cloud amount

REFERENCES

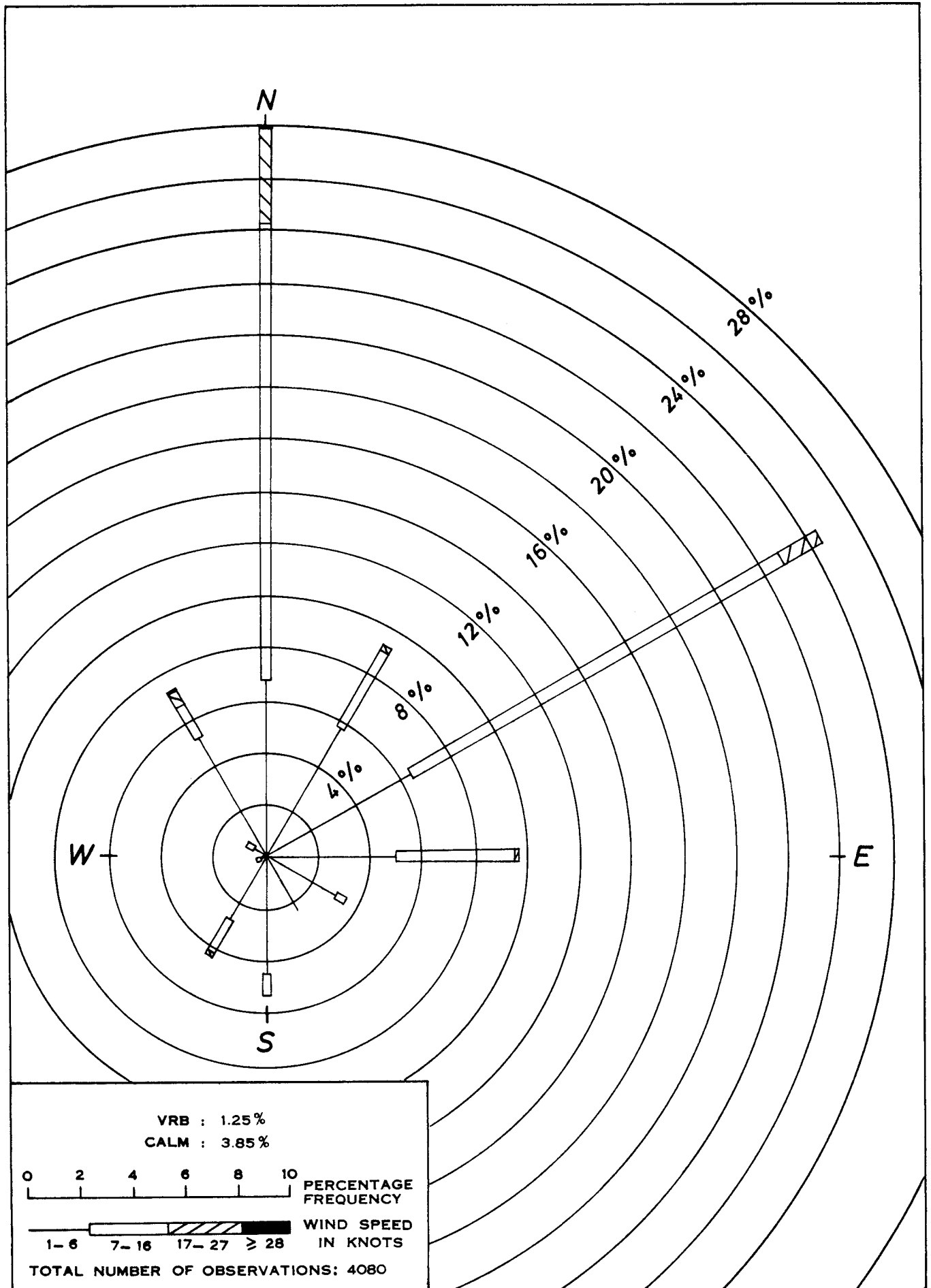
- | | | |
|-------------------------|------|--|
| CHIN, P.C. & KWOK, W.H. | 1974 | COMPUTERIZATION OF SURFACE CLIMATOLOGICAL DATA IN HONG KONG |
| PEACOCK, J.E. | 1952 | HONG KONG METEOROLOGICAL RECORDS & CLIMATOLOGICAL NOTES, 60 YEARS (1884-1939; 1947-1950) |
| W.M.O. | 1960 | GUIDE TO CLIMATOLOGICAL PRACTICES (WMO-No. 100 TP 44) |
| W.M.O. | 1971 | TECHNICAL REGULATIONS - VOLUME 1, No. 49 |

WIND ROSE FOR CAPE COLLINSON 1968 - 1973

January

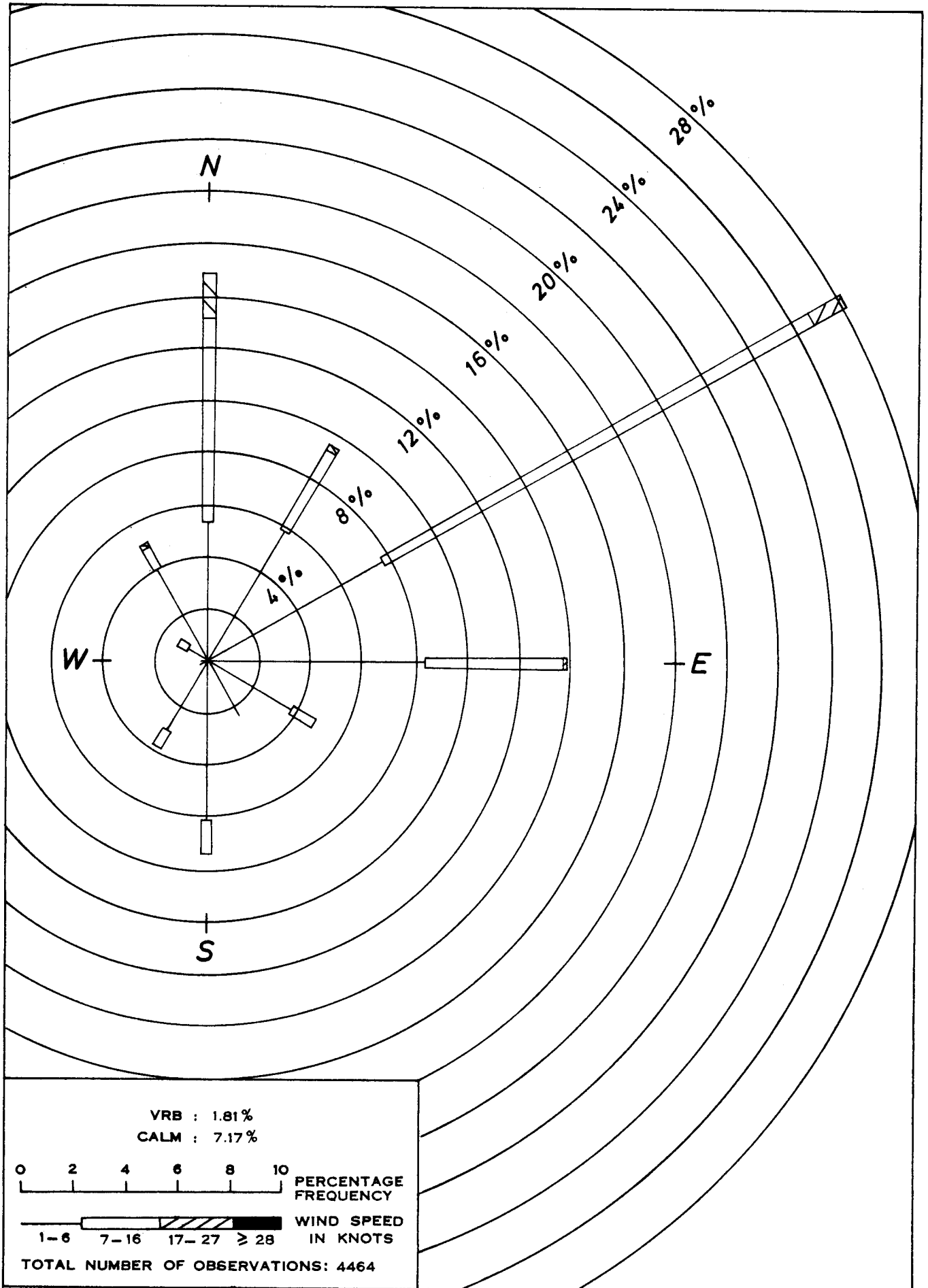


WIND ROSE FOR CAPE COLLINSON 1968 - 1973 February



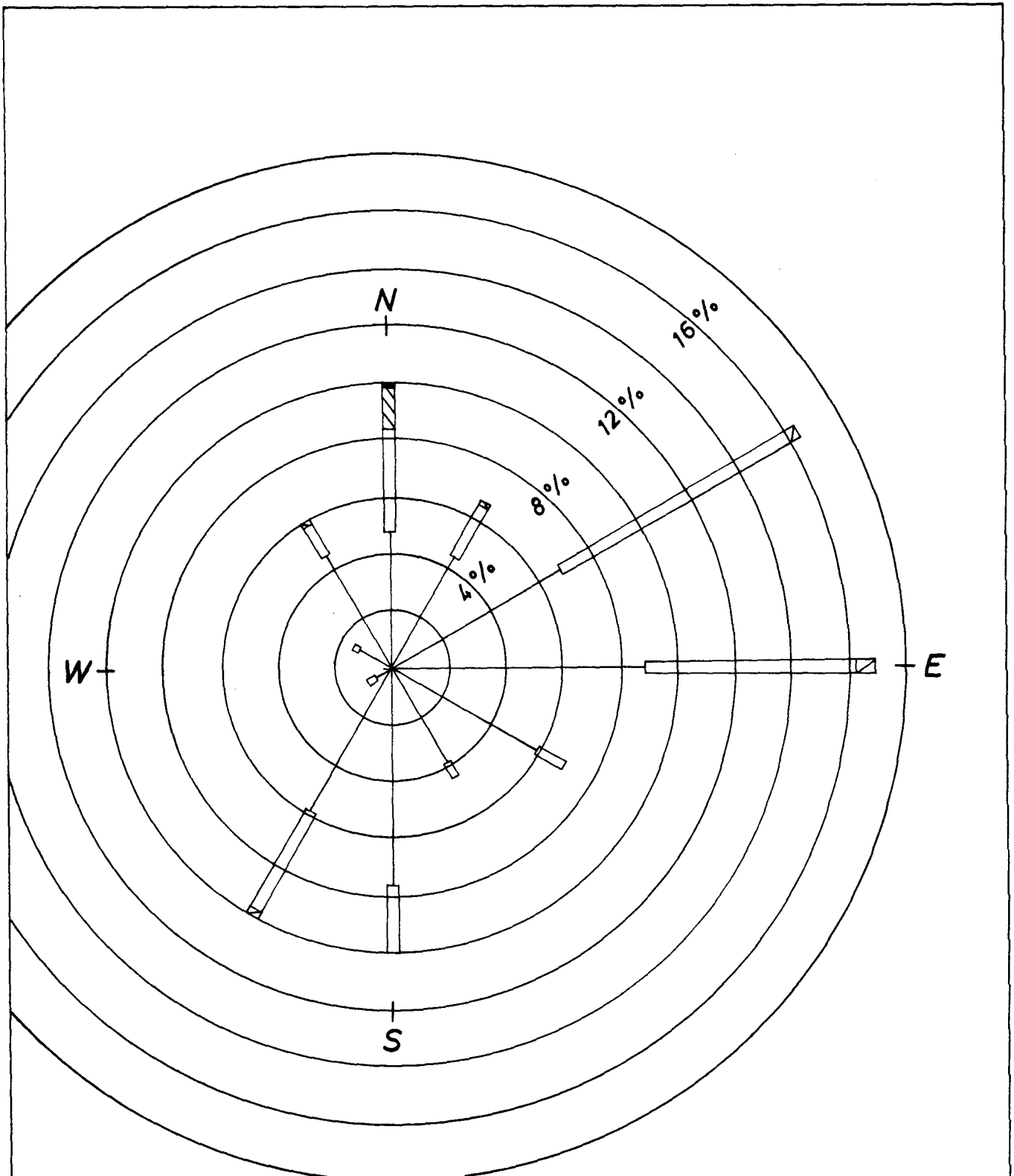
WIND ROSE FOR CAPE COLLINSON 1968 - 1973

March



WIND ROSE FOR CAPE COLLINSON 1968 - 1973

April



VRB : 1.46%
CALM : 8.77%

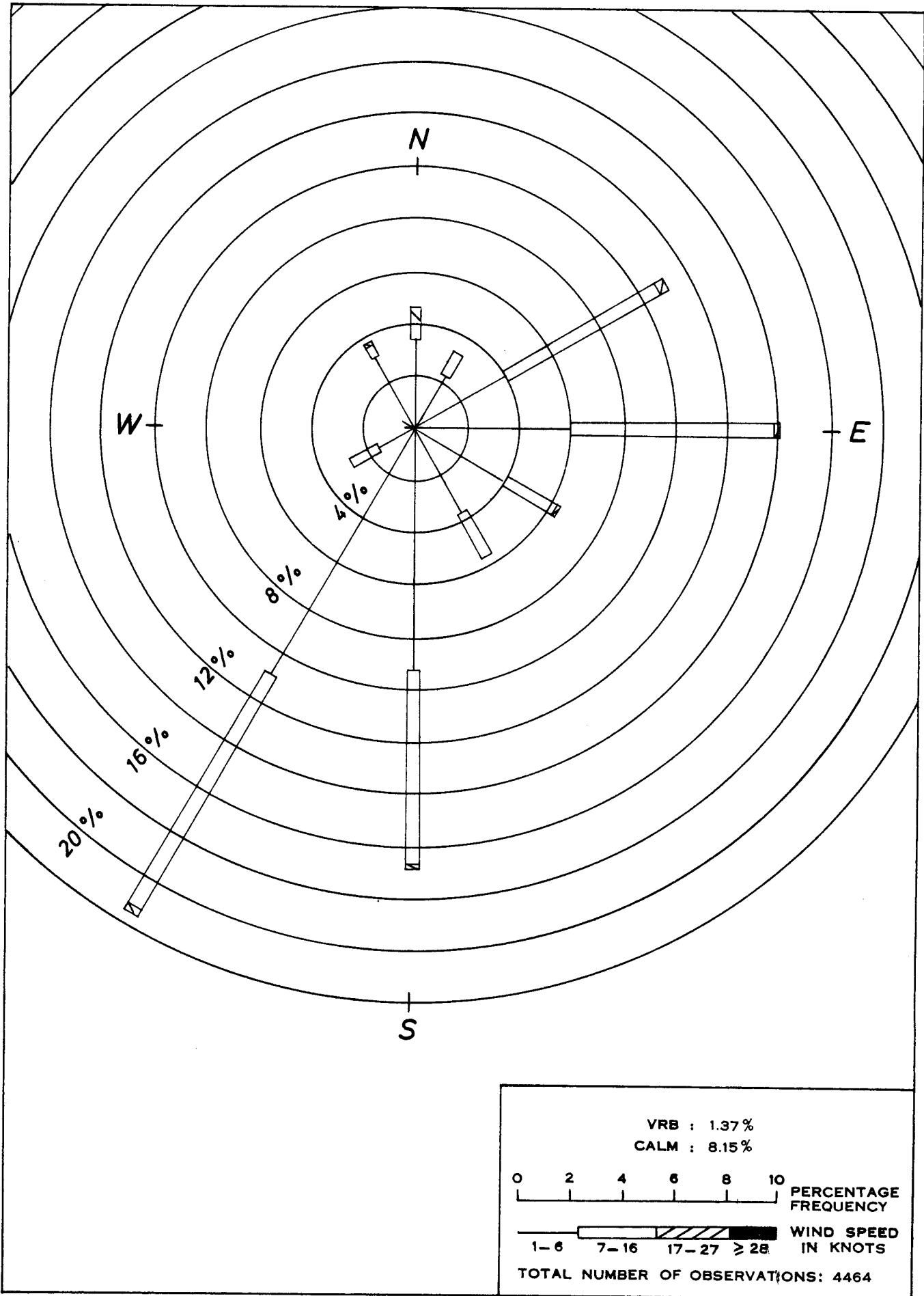
0 2 4 6 8 10 PERCENTAGE
FREQUENCY

— WIND SPEED
1-6 7-16 17-27 ≥ 28 IN KNOTS

TOTAL NUMBER OF OBSERVATIONS: 4320

WIND ROSE FOR CAPE COLLINSON 1968 - 1973

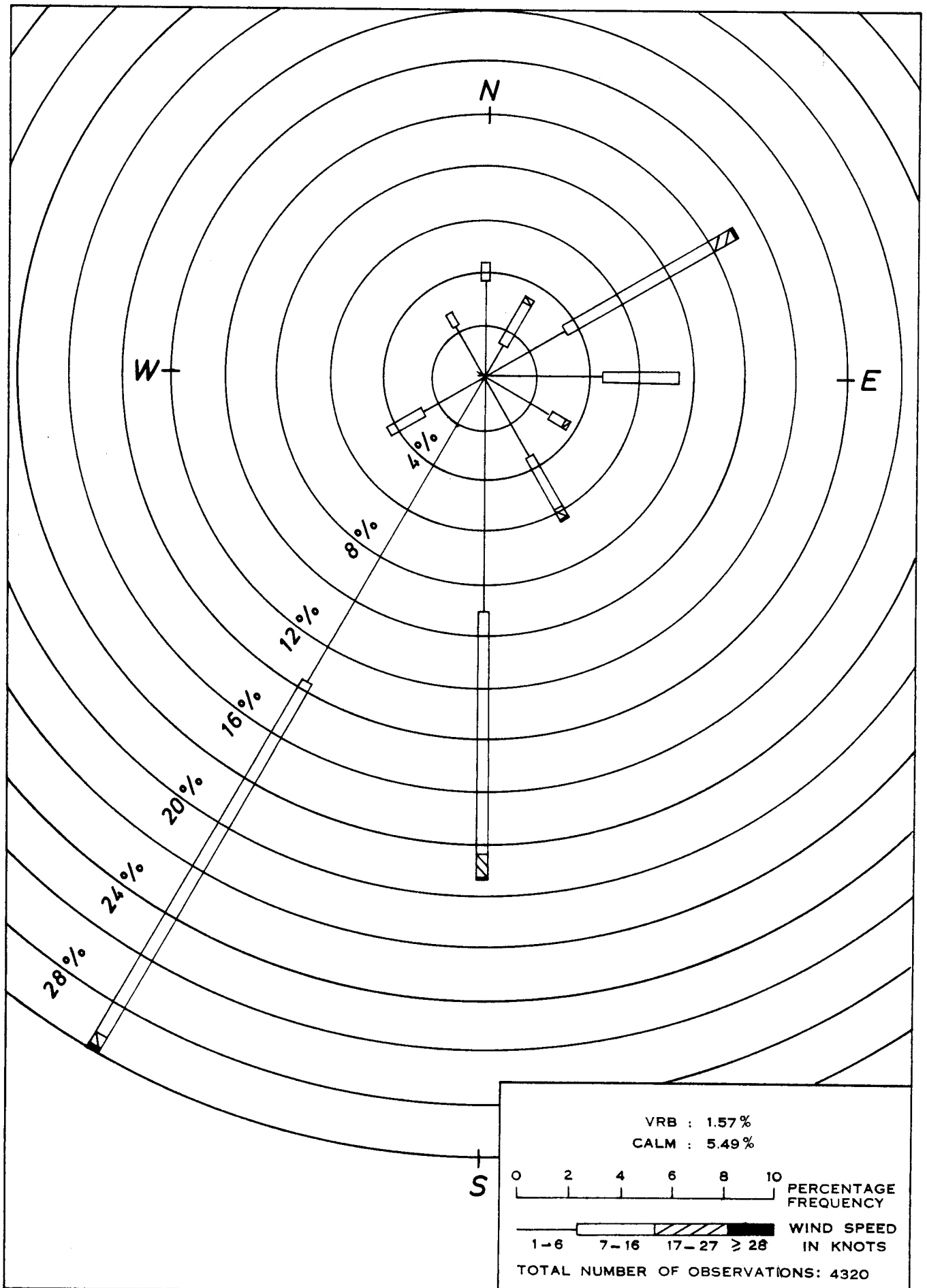
May



WIND ROSE FOR CAPE COLLINSON

1968 - 1973

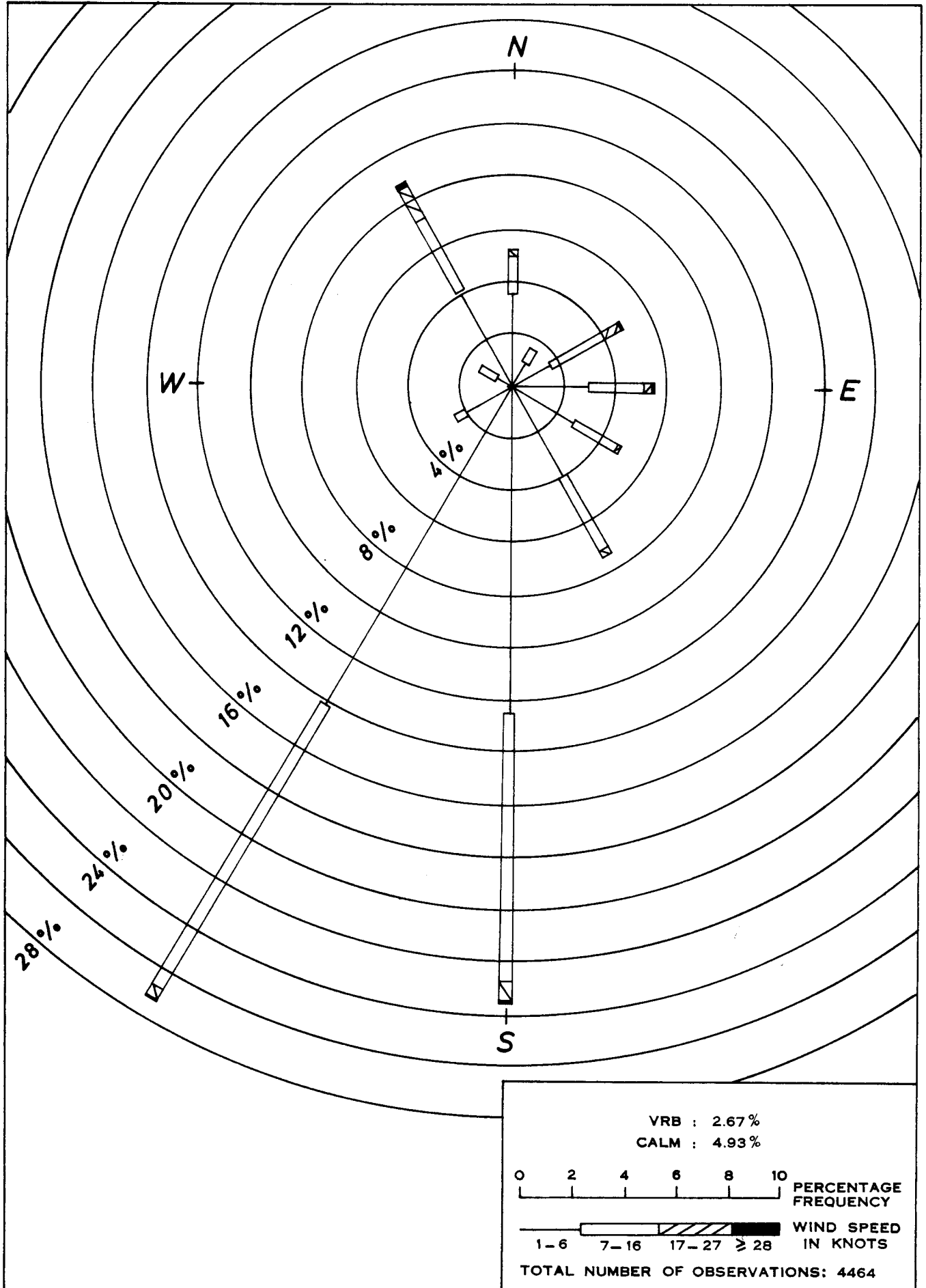
June



WIND ROSE FOR CAPE COLLINSON

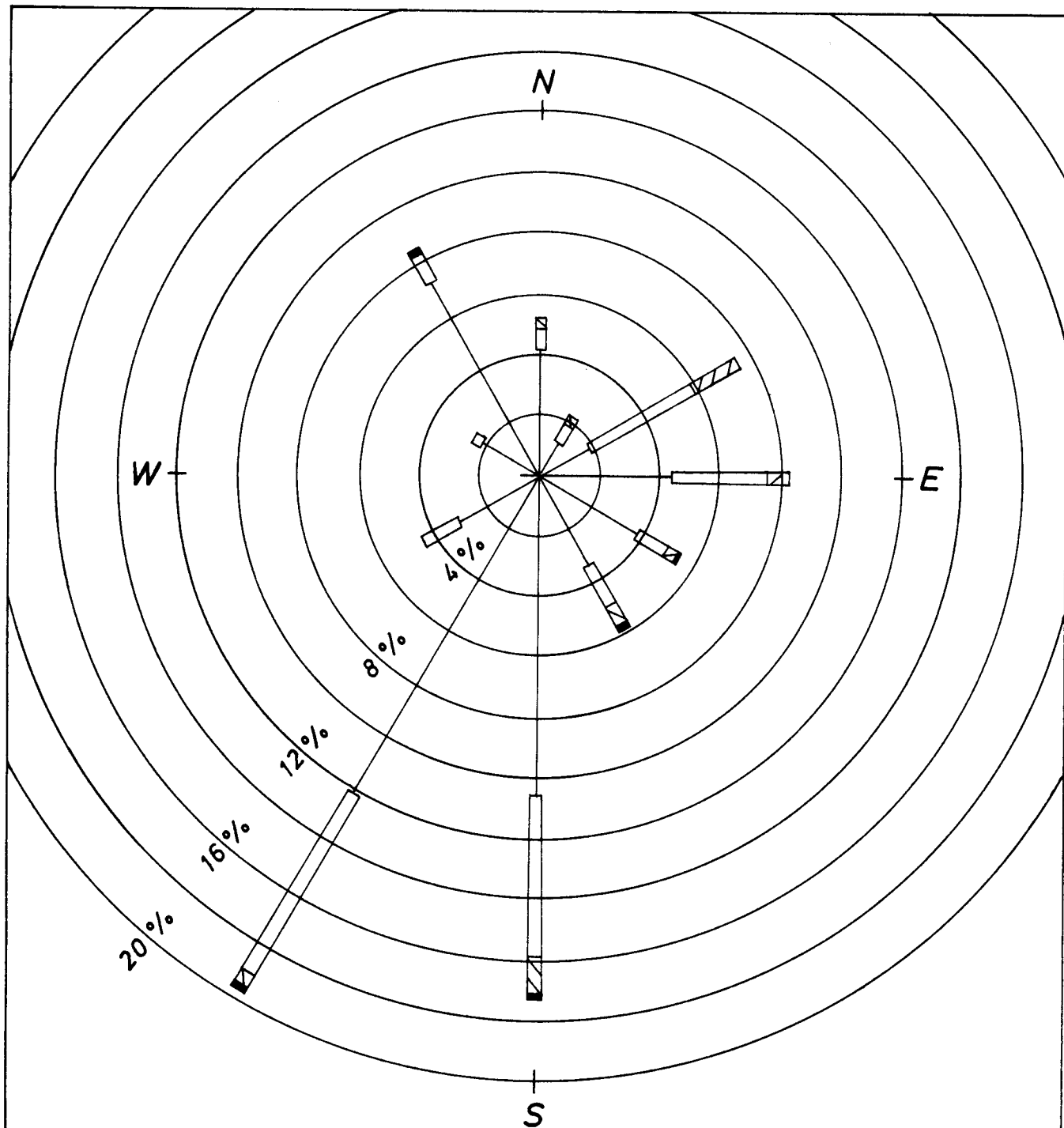
1968 - 1973

July



WIND ROSE FOR CAPE COLLINSON 1968 - 1973

August



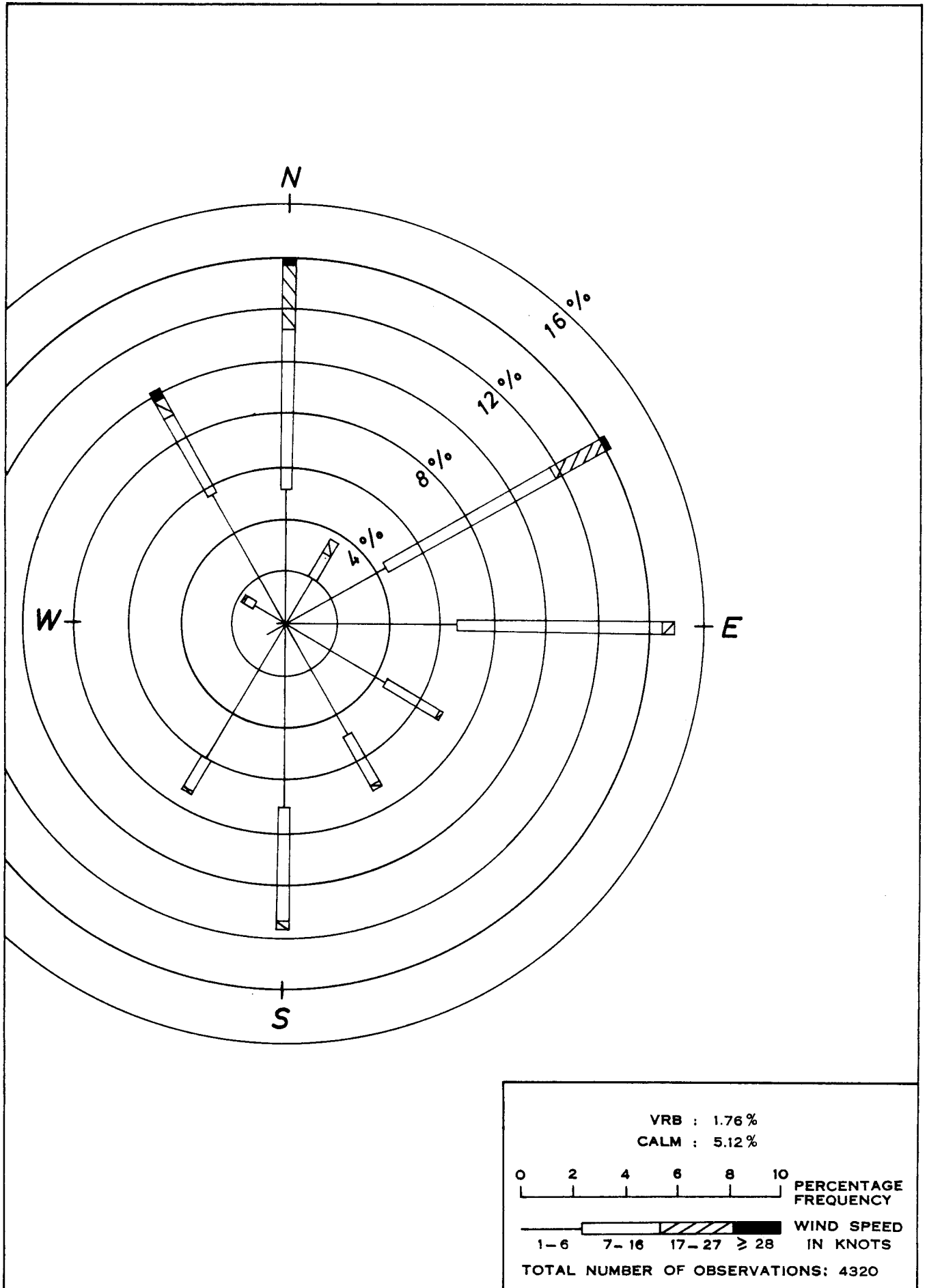
VRB : 3.94 %
CALM : 9.27 %

0 2 4 6 8 10 PERCENTAGE FREQUENCY

1-6 7-16 17-27 ≥ 28 WIND SPEED IN KNOTS

TOTAL NUMBER OF OBSERVATIONS: 4464

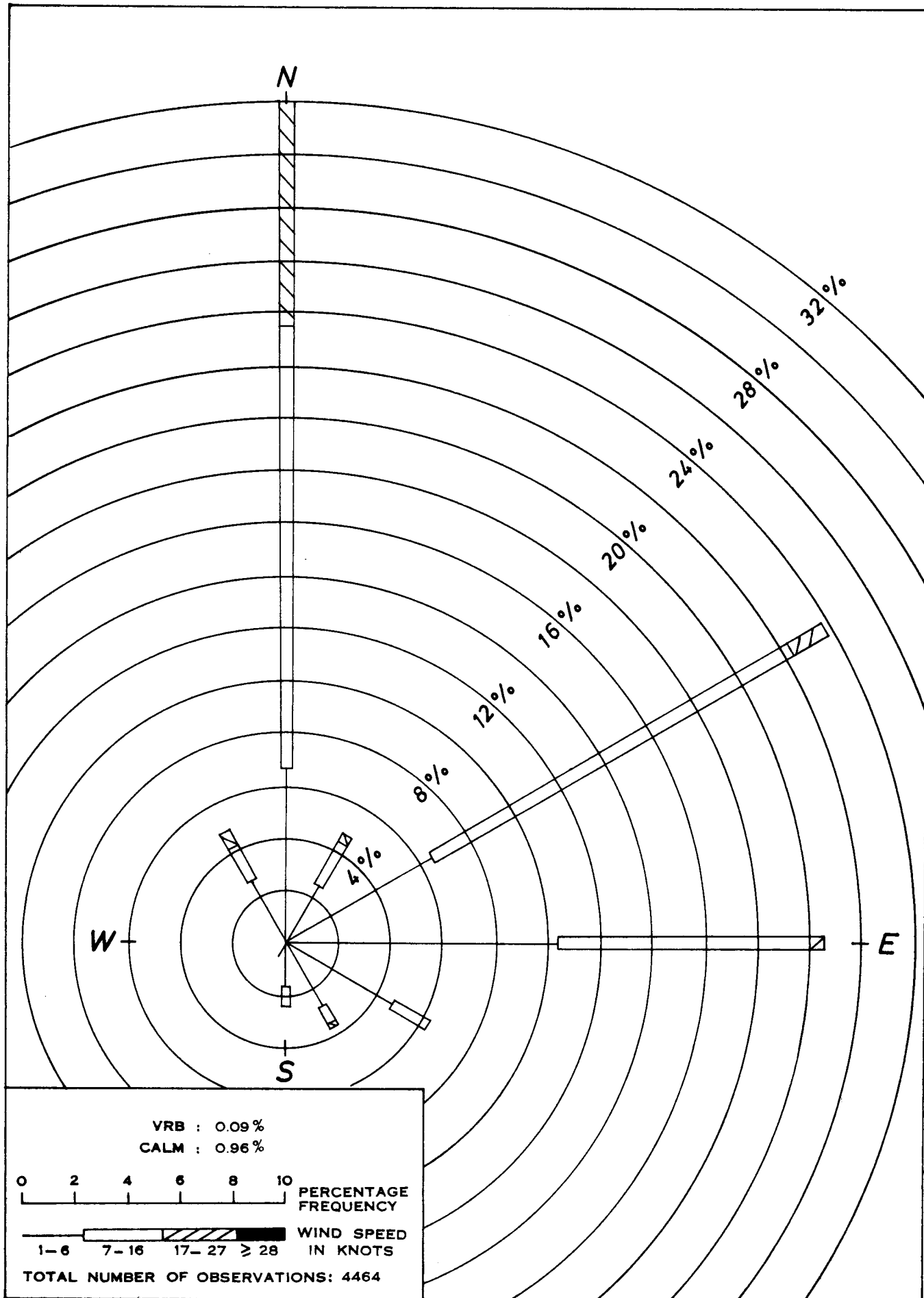
WIND ROSE FOR CAPE COLLINSON 1968 - 1973 September



WIND ROSE FOR CAPE COLLINSON

1968 - 1973

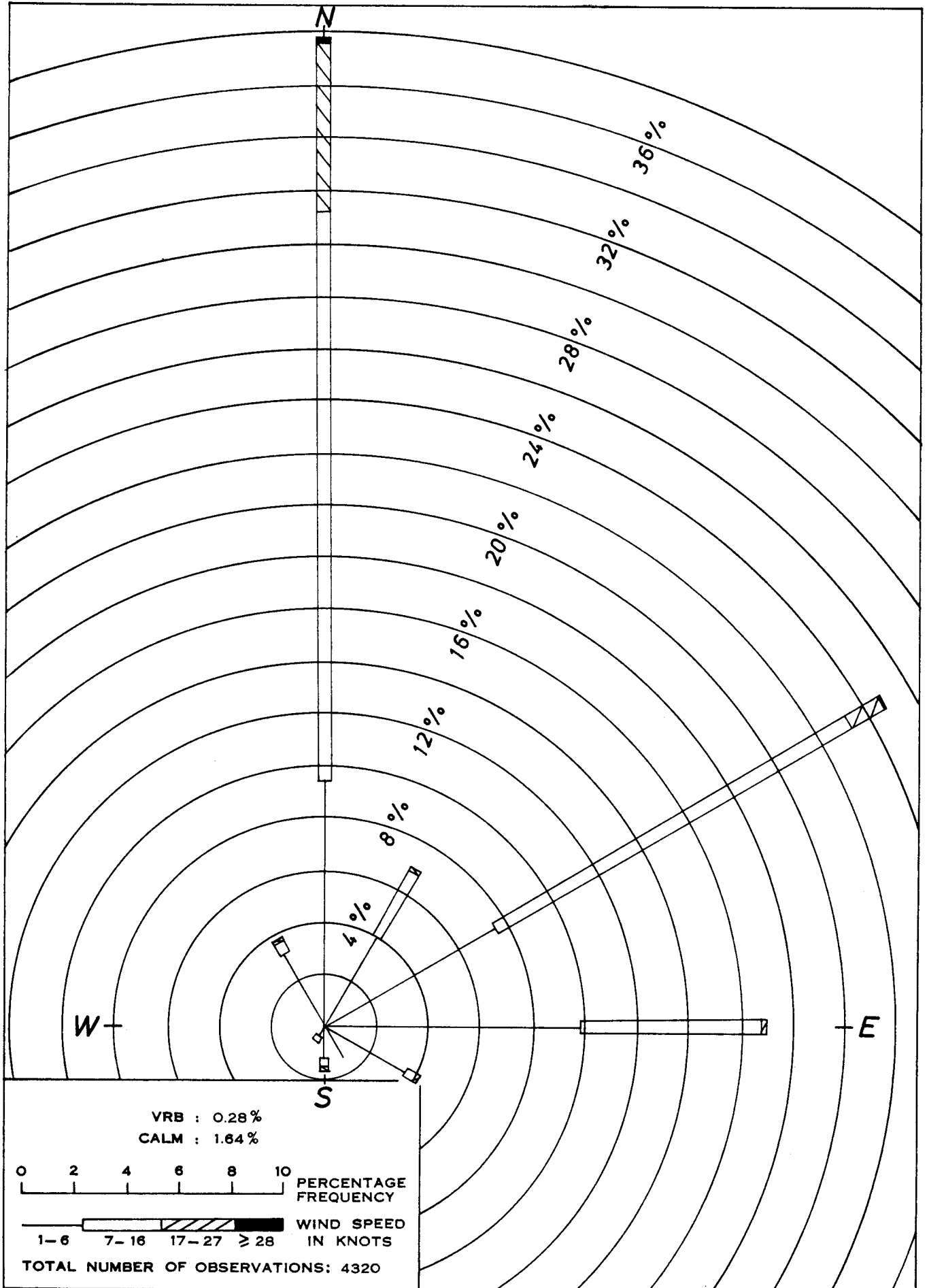
October



WIND ROSE FOR CAPE COLLINSON

1968 - 1973

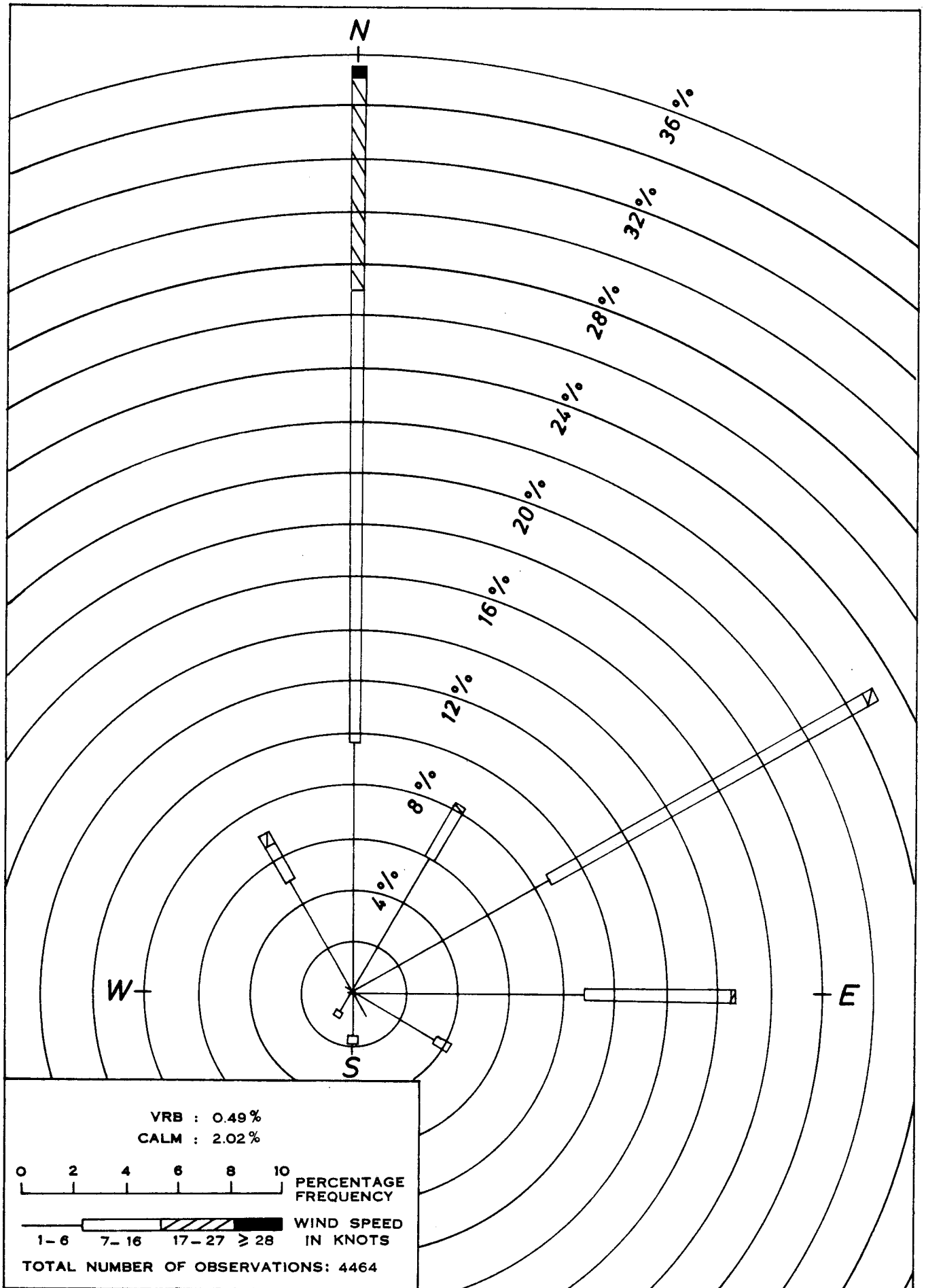
November



WIND ROSE FOR CAPE COLLINSON

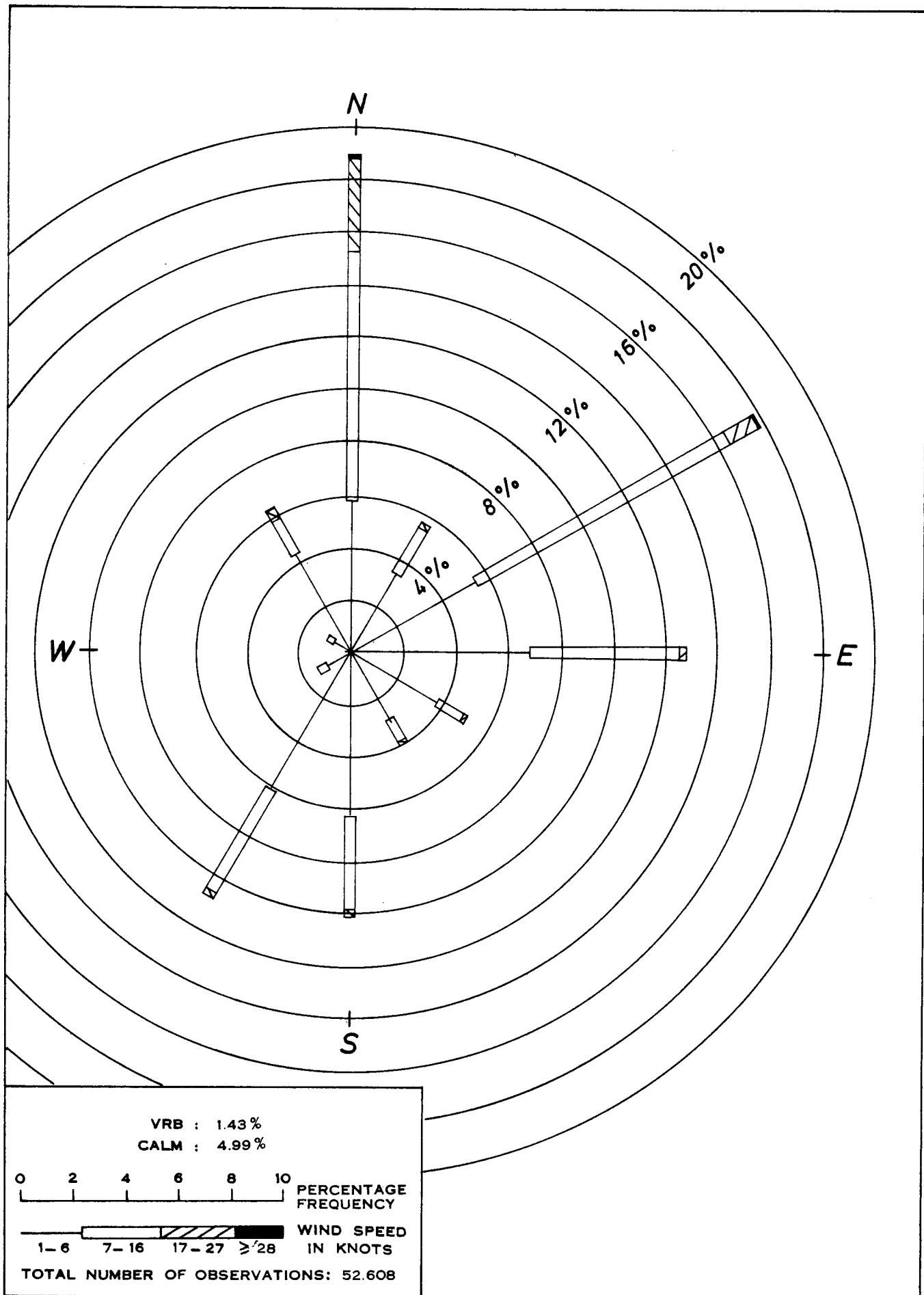
1968 - 1973

December

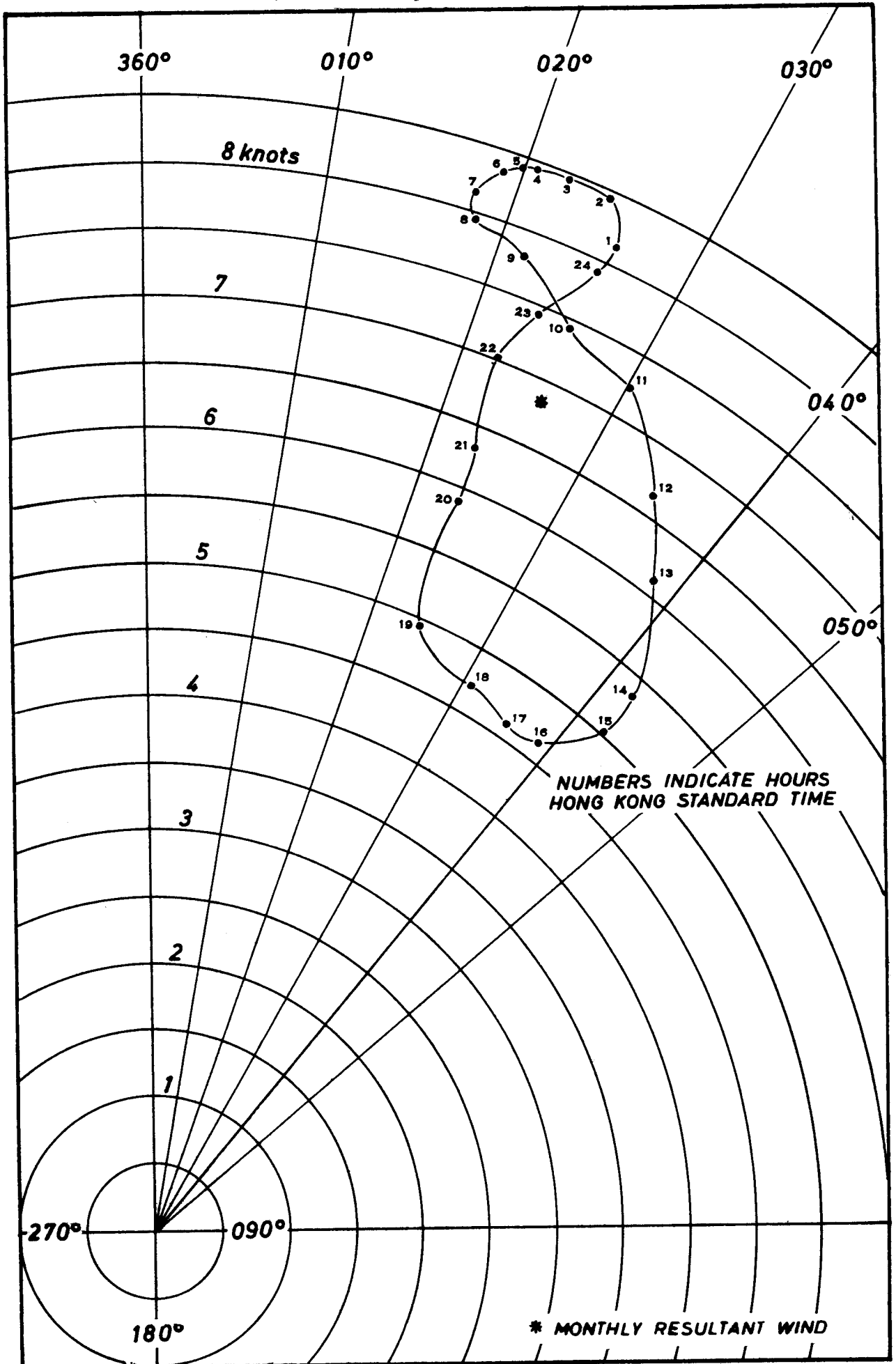


ANNUAL WIND ROSE FOR CAPE COLLINSON

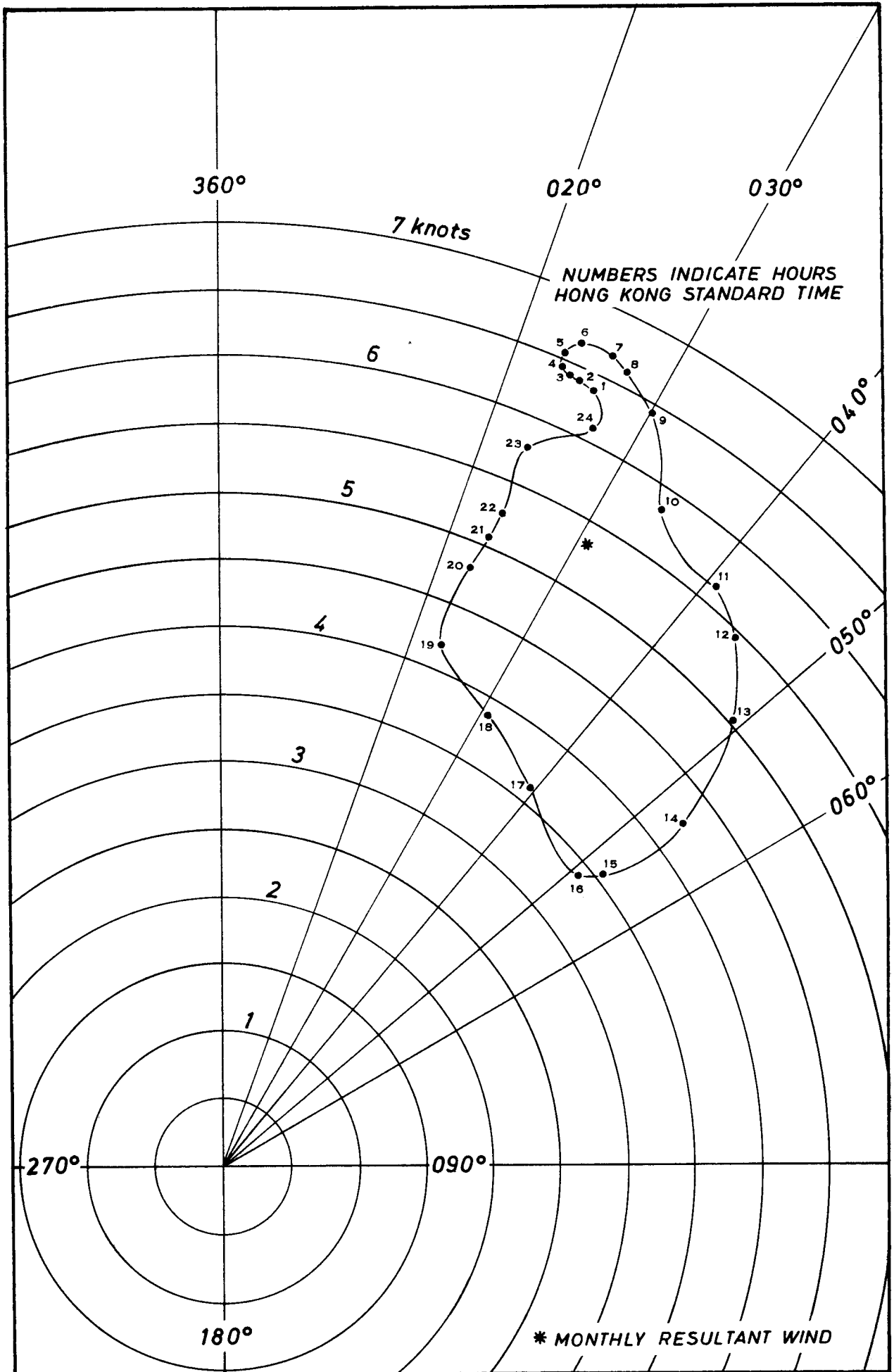
1968 - 1973



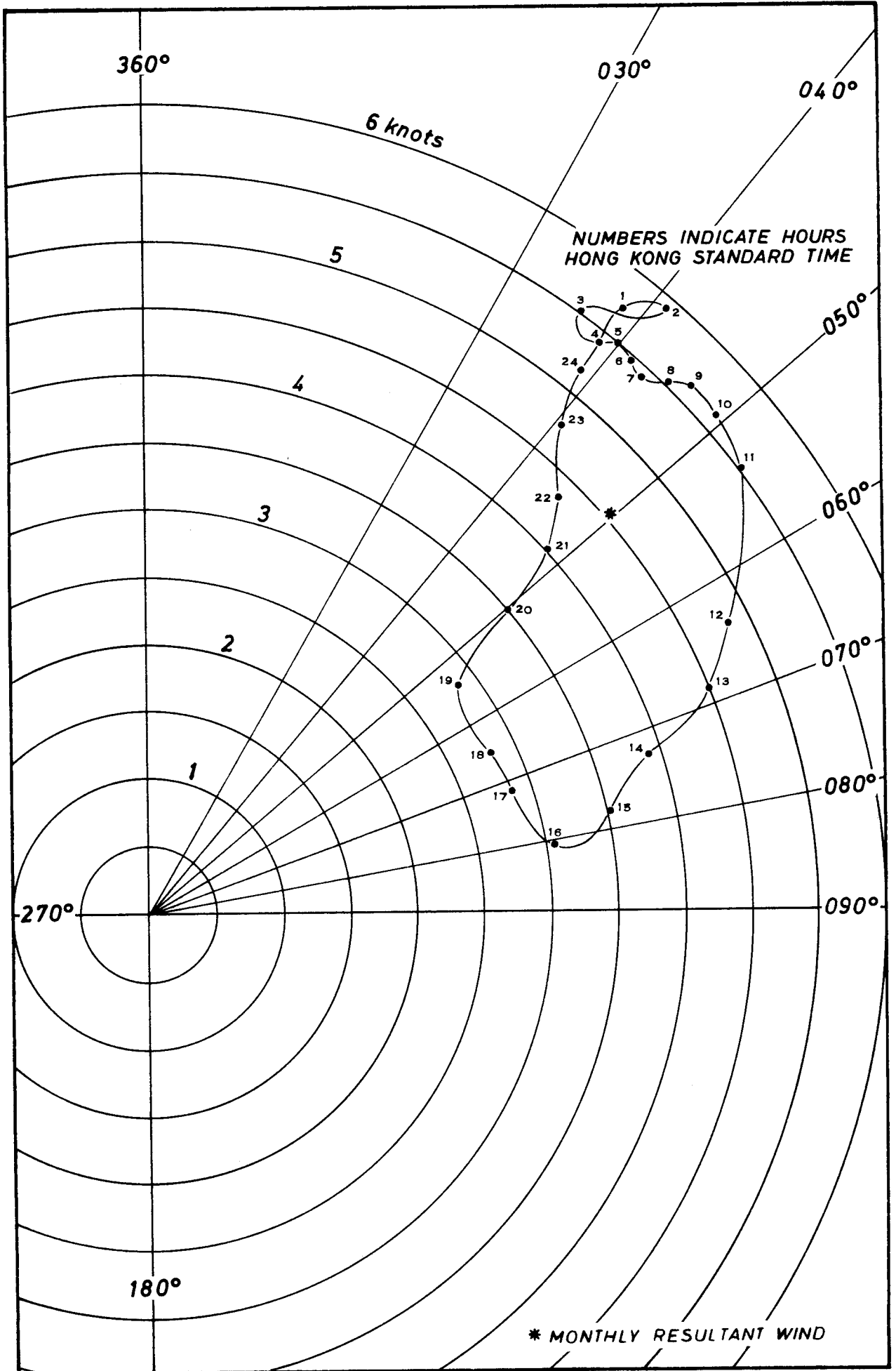
**VECTOR DIAGRAM SHOWING THE DIURNAL VARIATION
OF WIND DIRECTION AND SPEED AT CAPE COLLINSON
JANUARY, 1968 - 1973**



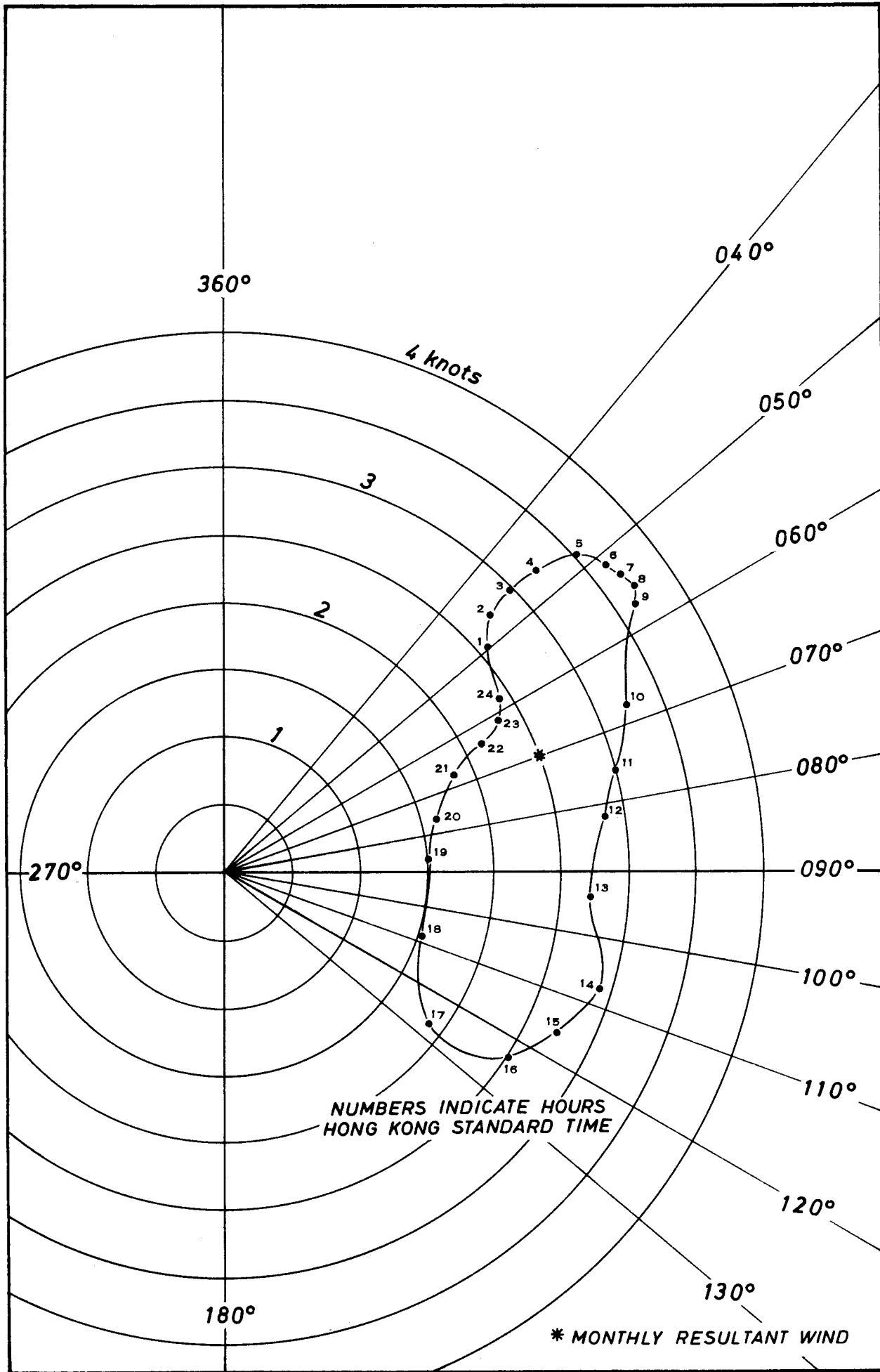
VECTOR DIAGRAM SHOWING THE DIURNAL VARIATION
OF WIND DIRECTION AND SPEED AT CAPE COLLINSON
FEBRUARY, 1968 - 1973



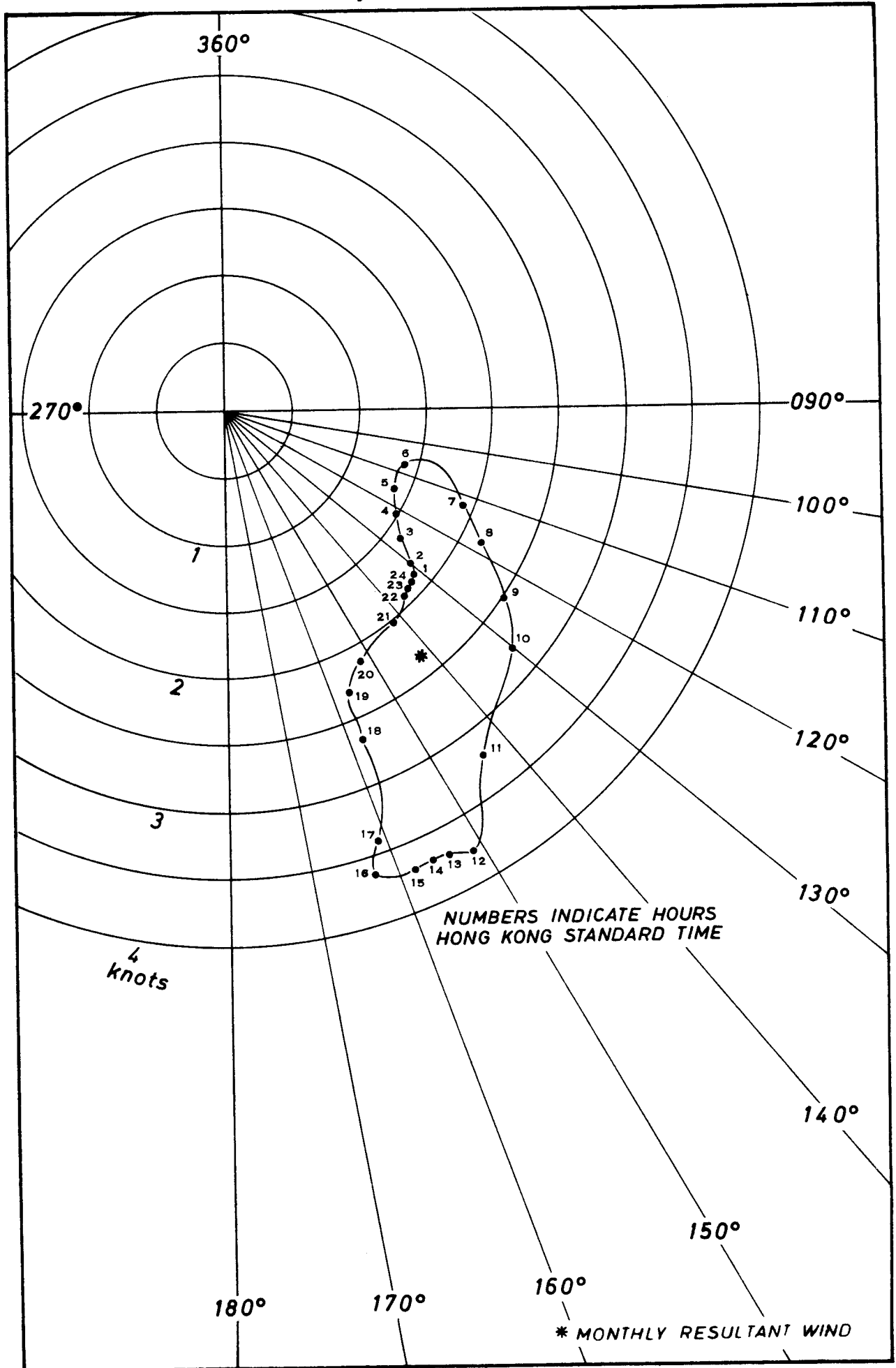
**VECTOR DIAGRAM SHOWING THE DIURNAL VARIATION
OF WIND DIRECTION AND SPEED AT CAPE COLLINSON
MARCH, 1968 – 1973**



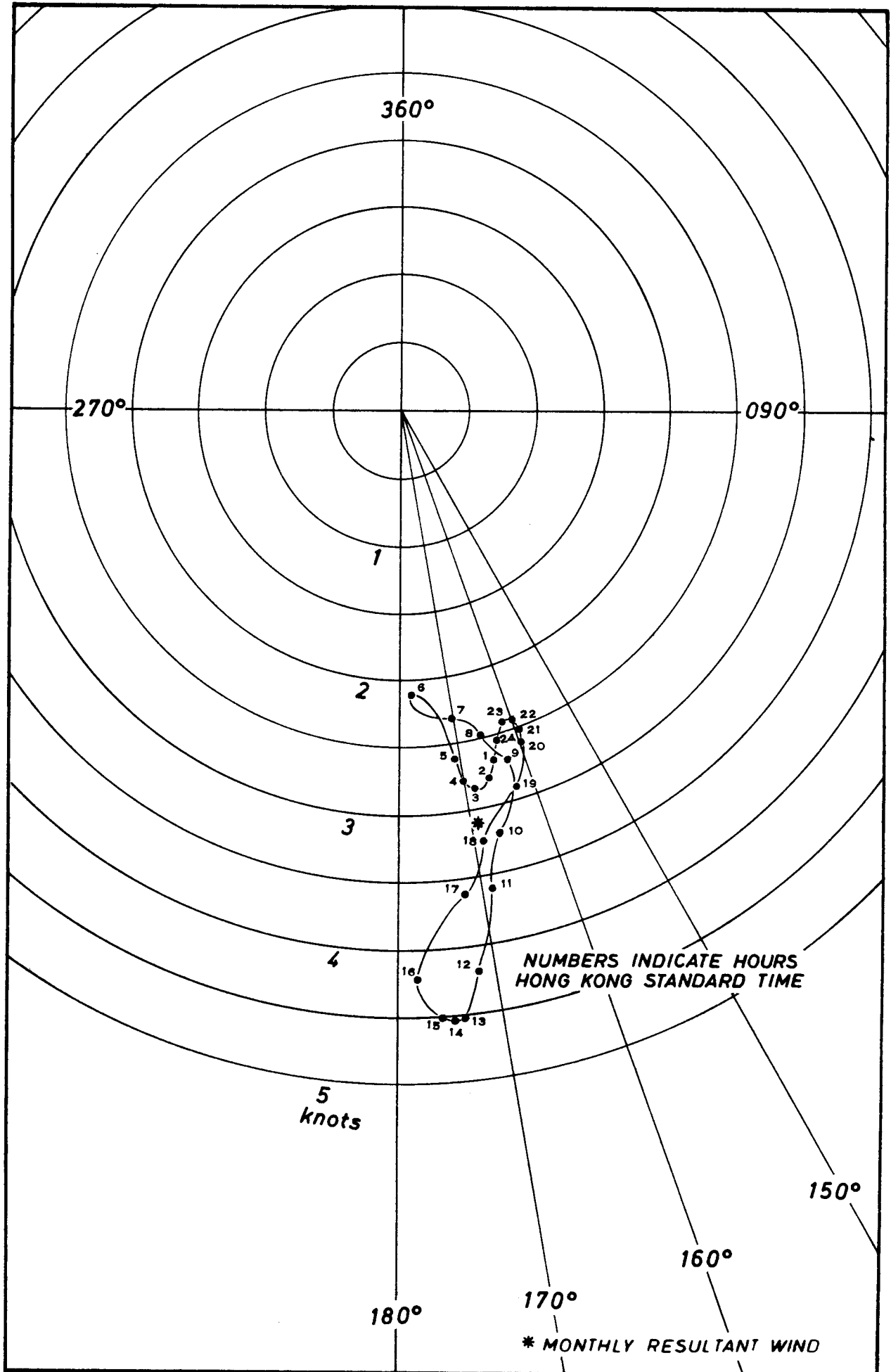
**VECTOR DIAGRAM SHOWING THE DIURNAL VARIATION
OF WIND DIRECTION AND SPEED AT CAPE COLLINSON
APRIL, 1968 - 1973**



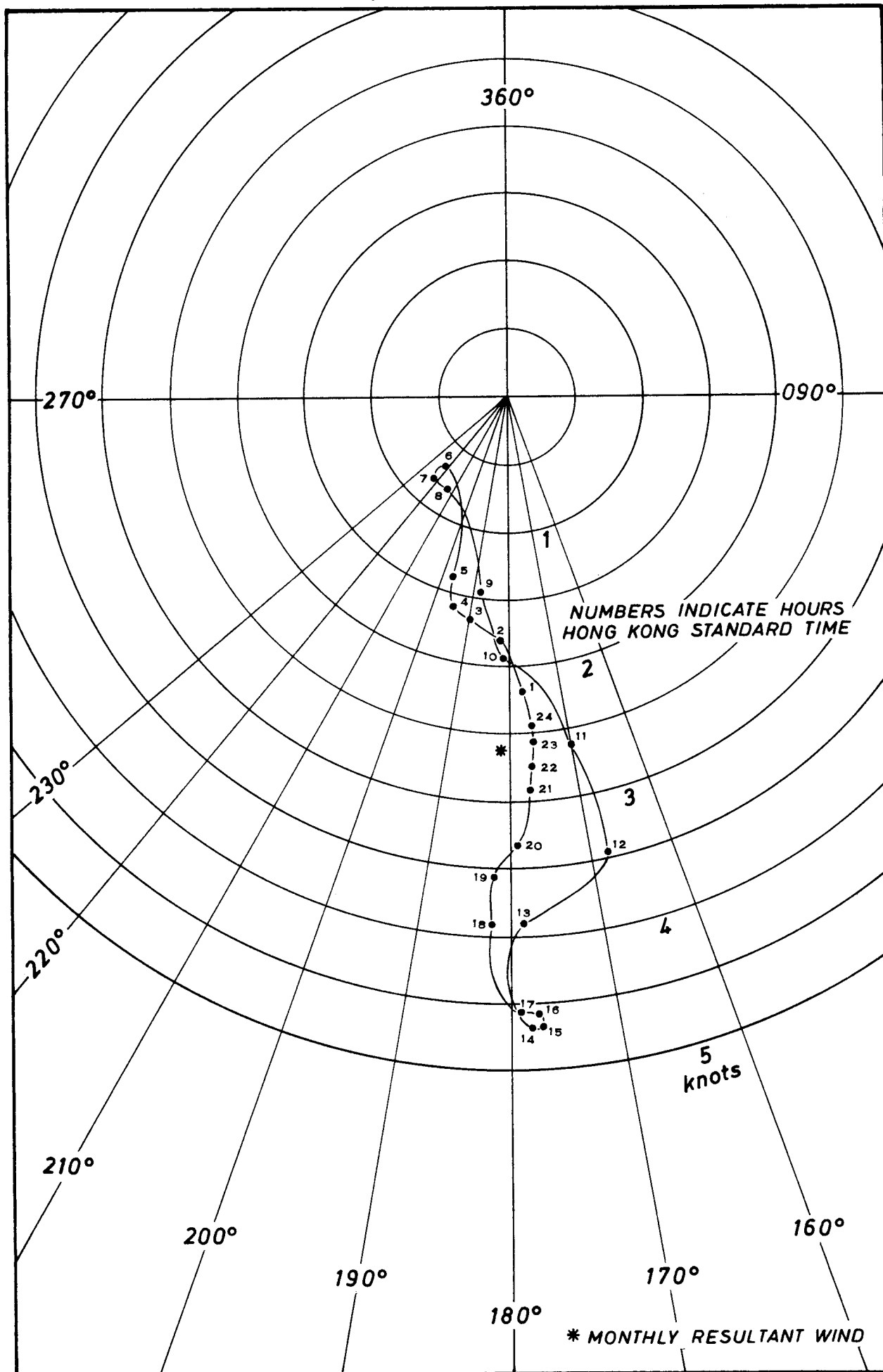
**VECTOR DIAGRAM SHOWING THE DIURNAL VARIATION
OF WIND DIRECTION AND SPEED AT CAPE COLLINSON
MAY, 1968 - 1973**



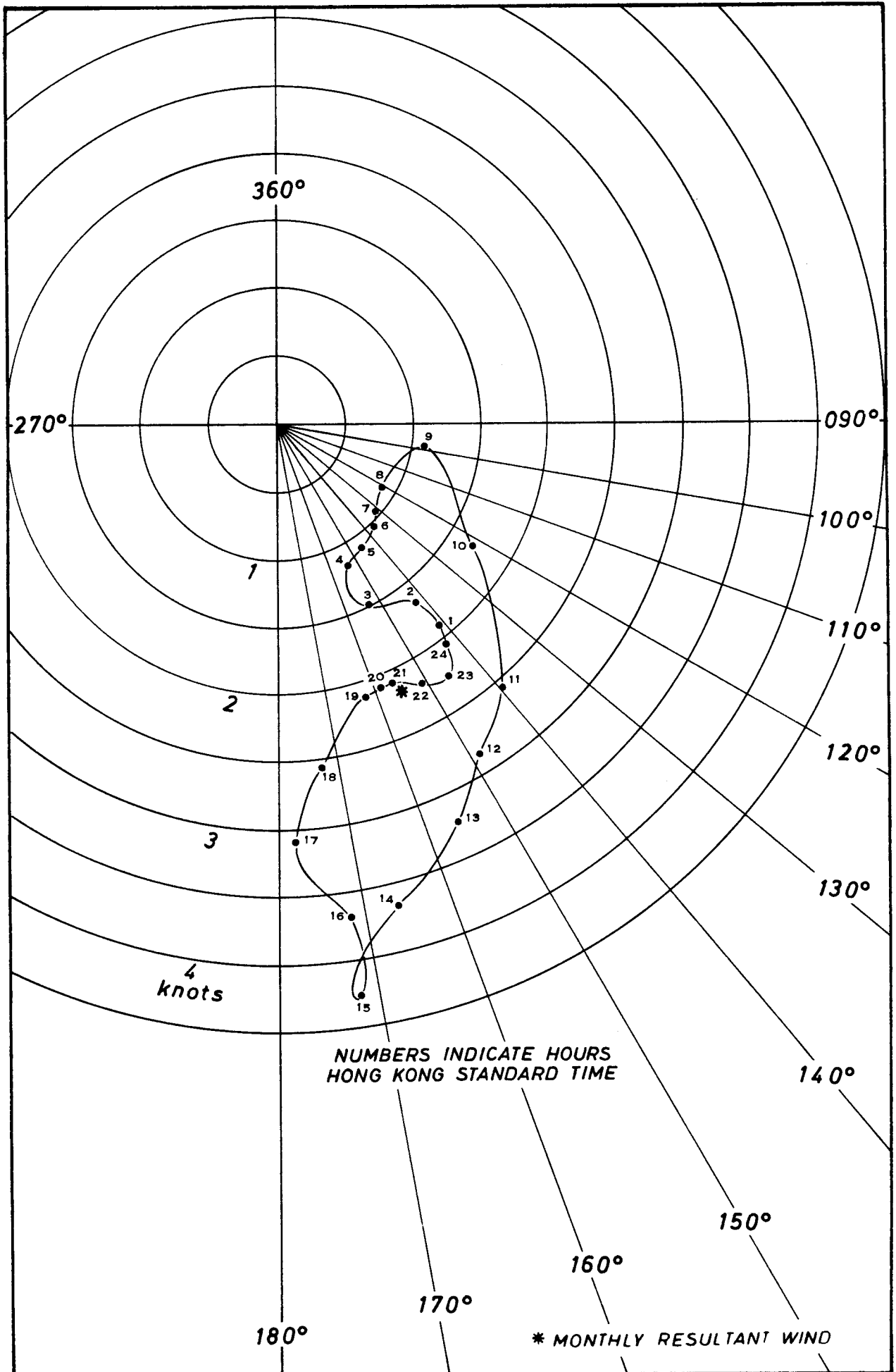
VECTOR DIAGRAM SHOWING THE DIURNAL VARIATION
OF WIND DIRECTION AND SPEED AT CAPE COLLINSON
JUNE, 1968 - 1973



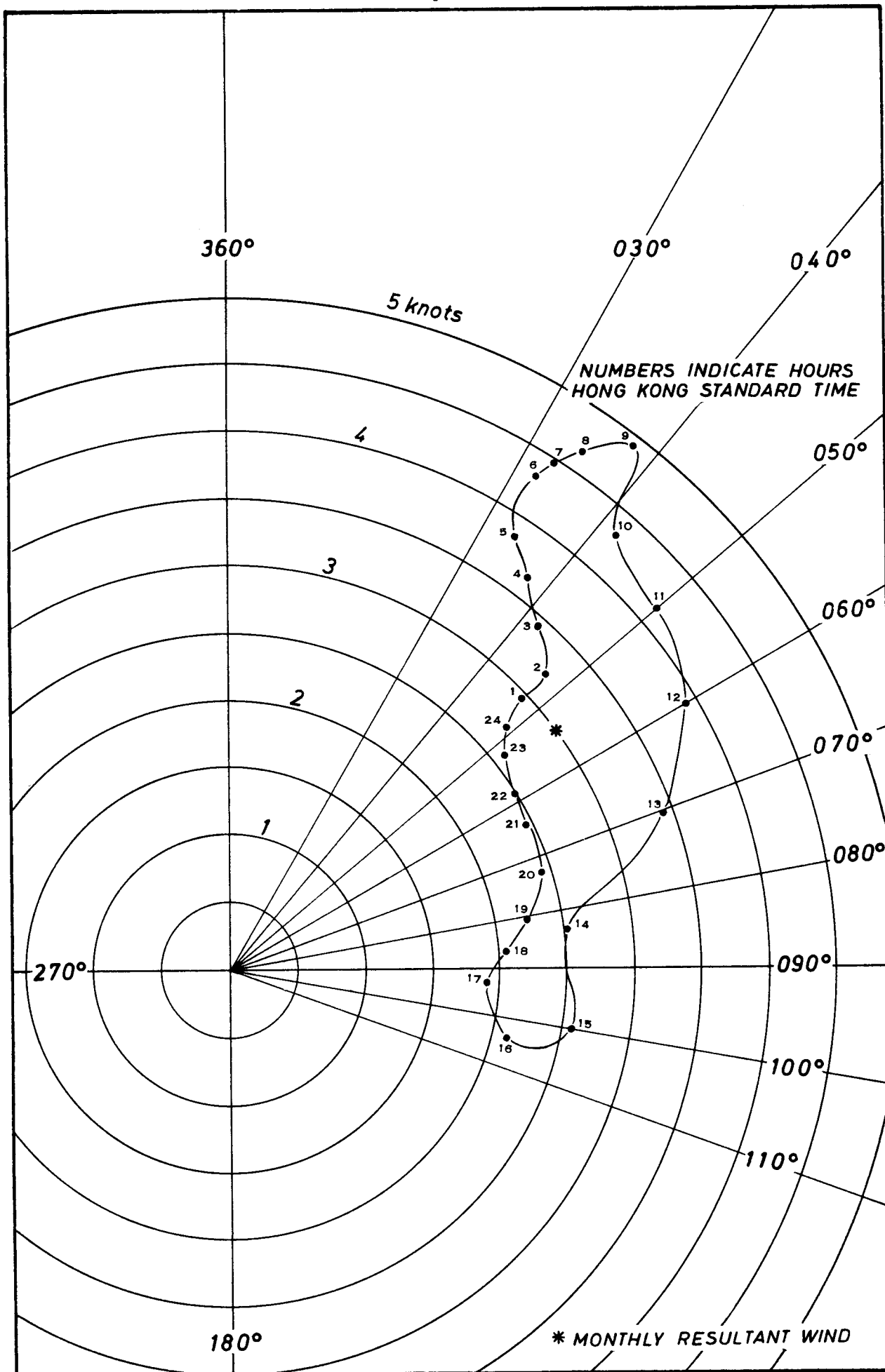
**VECTOR DIAGRAM SHOWING THE DIURNAL VARIATION
OF WIND DIRECTION AND SPEED AT CAPE COLLINSON
JULY, 1968 - 1973**



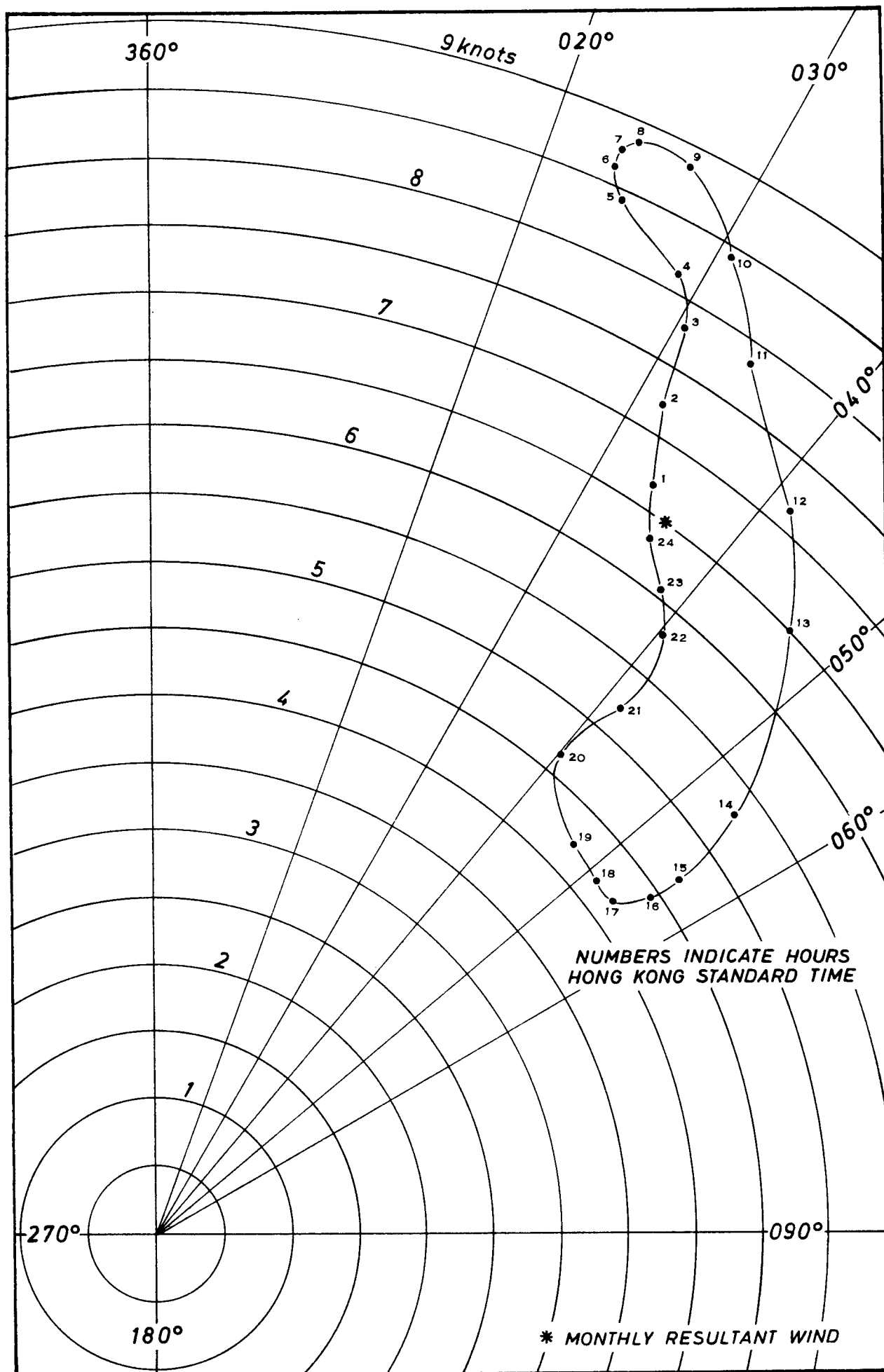
VECTOR DIAGRAM SHOWING THE DIURNAL VARIATION
OF WIND DIRECTION AND SPEED AT CAPE COLLINSON
AUGUST, 1968 - 1973



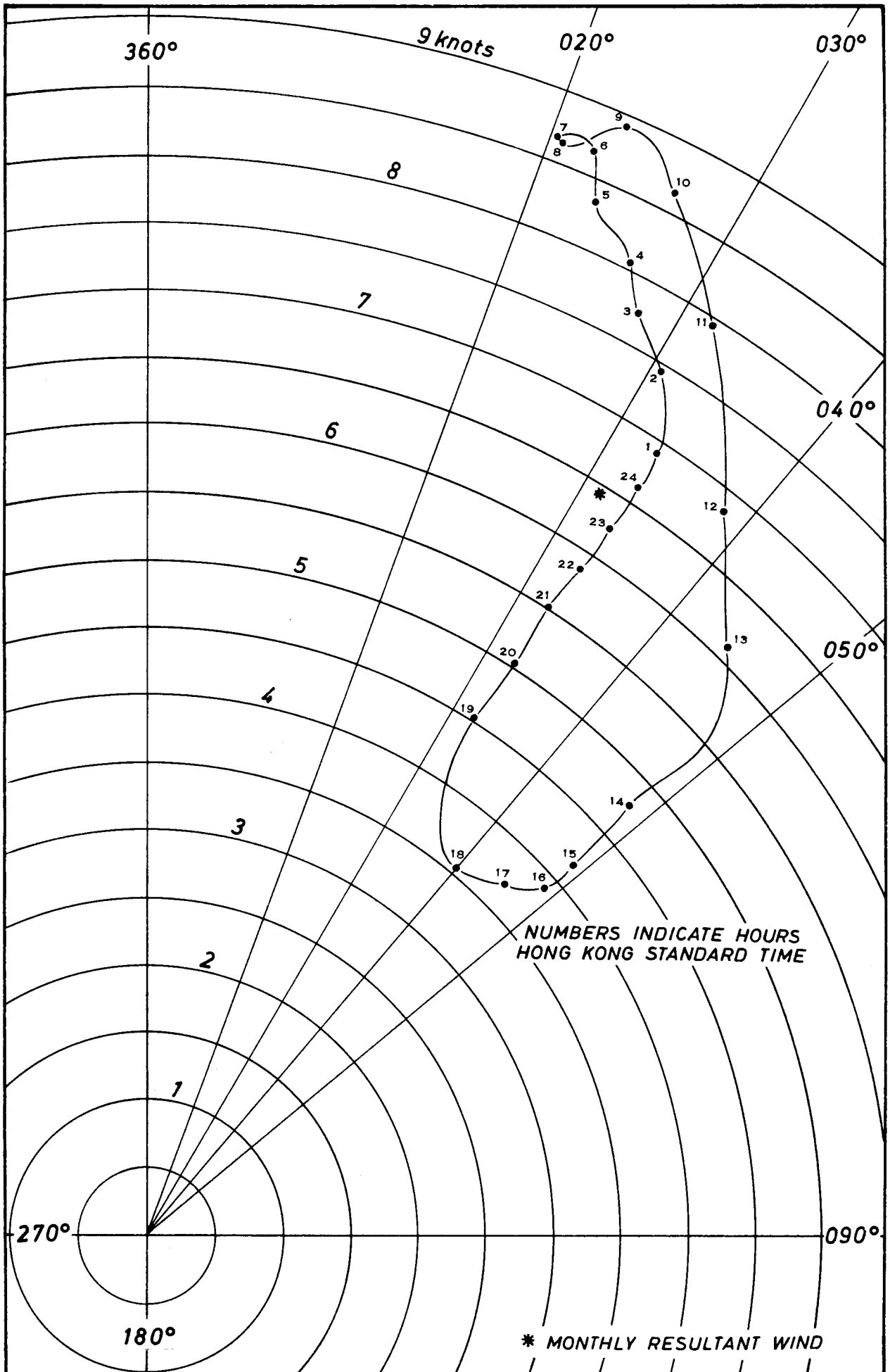
VECTOR DIAGRAM SHOWING THE DIURNAL VARIATION
OF WIND DIRECTION AND SPEED AT CAPE COLLINSON
SEPTEMBER, 1968 - 1973



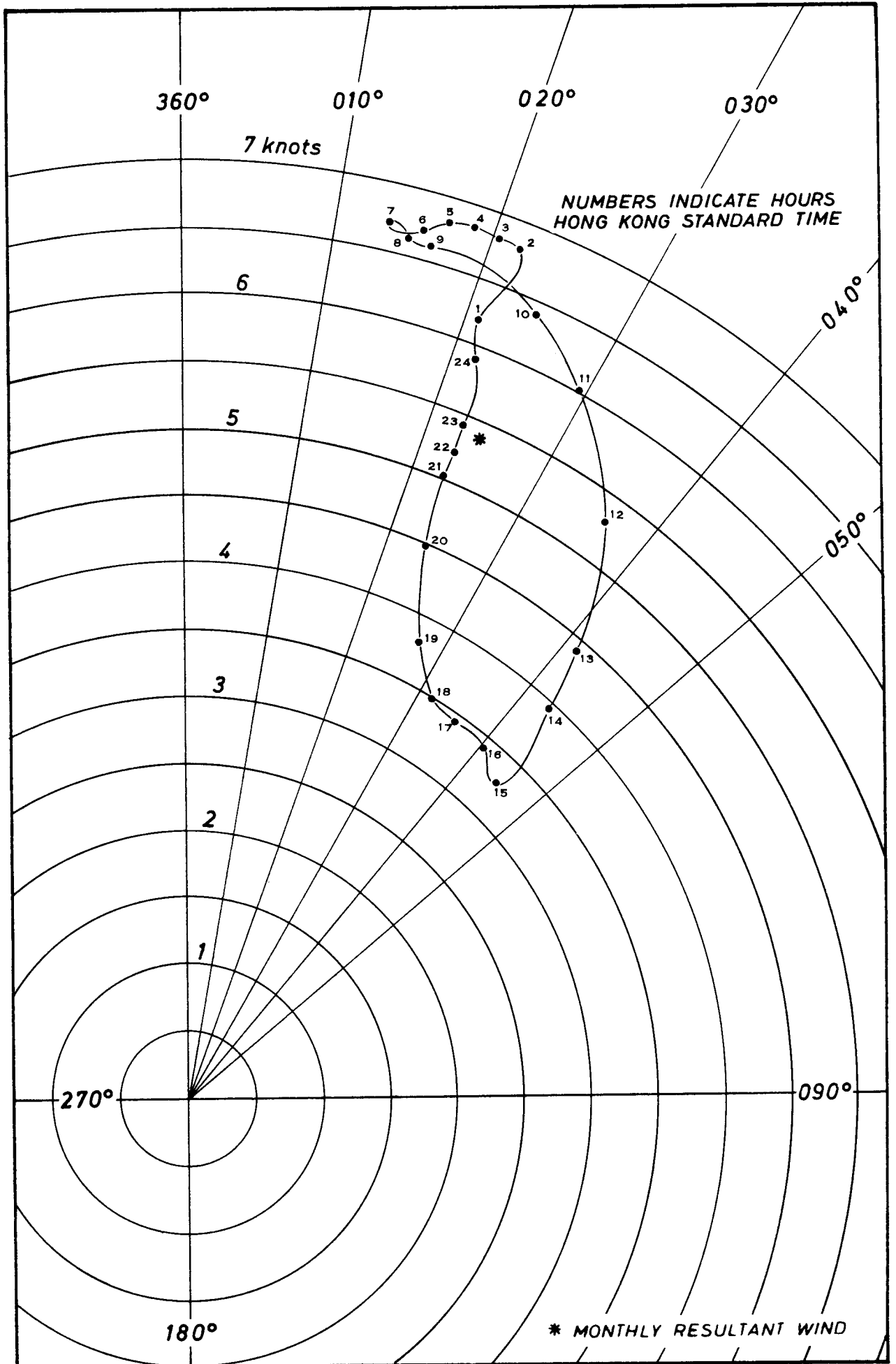
VECTOR DIAGRAM SHOWING THE DIURNAL VARIATION OF WIND DIRECTION AND SPEED AT CAPE COLLINSON OCTOBER, 1968 – 1973



VECTOR DIAGRAM SHOWING THE DIURNAL VARIATION
OF WIND DIRECTION AND SPEED AT CAPE COLLINSON
NOVEMBER, 1968 - 1973



**VECTOR DIAGRAM SHOWING THE DIURNAL VARIATION
OF WIND DIRECTION AND SPEED AT CAPE COLLINSON
DECEMBER, 1968 – 1973**



CAPE COLLINSON AERONAUTICAL METEOROLOGICAL STATION YEAR 1968-1973 JANUARY

MEAN NUMBER OF SIMULTANEOUS OCCURRENCES OF SPECIFIED VISIBILITY RANGES AND SPECIFIED RANGES OF THE HEIGHT OF THE BASE OF THE LOWEST CLOUD LAYER COVERING 5 OKTAS OR MORE OF THE SKY

VISIBILITY (IN KM)	HEIGHT OF BASE OF CLOUD (IN HUNDREDS OF FEET)													TOTAL
	00-01	01-02	02-03	03-04	04-05	05-06	06-08	08-10	10-15	15-30	30-80	80+	OBSC	
0-0.1														---
0.1-0.2									*				0.15	0.17
0.2-0.3								0.12					0.12	0.25
0.3-0.4								*					0.10	0.11
0.4-0.5													0.06	0.06
0.5-0.6									*				0.05	0.06
0.6-0.7									*	*			*	*
0.7-0.8									*				*	*
0.8-0.9									*	*			0.06	0.09
0.9-1.0									*				0.05	0.08
1.0-1.2		*							*	*				*
1.2-1.6		*	*	*				*	*	0.05				0.10
1.6-2.0						*			*	*				*
2.0-2.4			*	*				*	0.11	0.08				0.22
2.4-3.2			*	*				*	0.06	0.24	*			0.33
3.2-4.8			*	*					*	0.20	*			0.26
4.8-8.0			*					*	0.20	0.78	*			1.03
8.0-16.0								*	0.10	5.67	4.81	0.99		11.58
≥ 16.0										0.58	1.92	0.91		3.41
TOTAL	---	*	*	*	---	*	---	0.05	0.74	7.65	6.77	1.90	0.63	17.85

TIME OF OBSERVATION -- 0000-2300 GMT

TOTAL NUMBER OF OBSERVATIONS -- 4464

* INDICATES GREATER THAN 0 BUT LESS THAN 0.05

CAPE COLLINSON AERONAUTICAL METEOROLOGICAL STATION YEAR 1968-1973 FEBRUARY

MEAN NUMBER OF SIMULTANEOUS OCCURRENCES OF SPECIFIED VISIBILITY RANGES AND SPECIFIED RANGES OF THE HEIGHT OF THE BASE OF THE LOWEST CLOUD LAYER COVERING 5 OKTAS OR MORE OF THE SKY

VISIBILITY (IN KM)	HEIGHT OF BASE OF CLOUD (IN HUNDREDS OF FEET)													TOTAL
	00-01	01-02	02-03	03-04	04-05	05-06	06-08	08-10	10-15	15-30	30-80	80+	OBSC	
0-0.1											*		0.08	0.12
0.1-0.2													*	*
0.2-0.3								*	*				0.11	0.12
0.3-0.4													0.05	0.05
0.4-0.5			*								*		*	*
0.5-0.6									*				0.05	0.06
0.6-0.7								*		*			*	0.05
0.7-0.8										*			*	*
0.8-0.9								*	*				0.06	0.10
0.9-1.0									*	*			0.06	0.10
1.0-1.2									*	*			*	0.06
1.2-1.6									0.06	0.05				0.12
1.6-2.0									*	*				*
2.0-2.4				*					0.08	0.14		*		0.23
2.4-3.2				*				0.06	0.21	0.23				0.51
3.2-4.8		*						*	0.21	0.36				0.62
4.8-8.0					*			0.05	0.41	1.26	0.08			1.81
8.0-16.0			*		*	*	*		0.65	7.28	5.33	0.49		13.79
≥ 16.0									*	0.38	1.55	0.35		2.29
TOTAL	---	*	*	*	*	*	*	0.19	1.73	9.81	6.95	0.85	0.54	20.15

TIME OF OBSERVATION -- 0000-2300 GMT

TOTAL NUMBER OF OBSERVATIONS -- 4080

* INDICATES GREATER THAN 0 BUT LESS THAN 0.05

CAPE COLLINSON AERONAUTICAL METEOROLOGICAL STATION YEAR 1968-1973 MARCH

MEAN NUMBER OF SIMULTANEOUS OCCURRENCES OF SPECIFIED VISIBILITY RANGES AND SPECIFIED RANGES OF THE HEIGHT OF THE BASE OF THE LOWEST CLOUD LAYER COVERING 5 ORTAS OR MORE OF THE SKY

VISIBILITY (IN KM)	HEIGHT OF BASE OF CLOUD (IN HUNDREDS OF FEET)												OBSC	TOTAL
	00-01	01-02	02-03	03-04	04-05	05-06	06-08	08-10	10-15	15-30	30-80	80+		
0-0.1										*			*	*
0.1-0.2										*			0.15	0.16
0.2-0.3										*			0.50	0.51
0.3-0.4									*				0.19	0.19
0.4-0.5									*				0.19	0.20
0.5-0.6									*	*			0.11	0.13
0.6-0.7			*						*				0.05	0.06
0.7-0.8													*	*
0.8-0.9									*	*			0.11	0.15
0.9-1.0										*			0.07	0.08
1.0-1.2													*	*
1.2-1.6								*	0.06	0.08	*	*		0.19
1.6-2.0								*	*	*				0.09
2.0-2.4								*	0.15	0.16	*			0.33
2.4-3.2					*			0.07	0.12	0.37	*	*		0.60
3.2-4.8					*			*	0.24	0.70	*	*		1.02
4.8-8.0					*			*	0.35	2.08	0.17	0.08		2.72
8.0-16.0					*			*	0.29	8.02	3.31	0.70		12.33
≥ 16.0										0.61	1.70	0.68		2.99
TOTAL	---	---	*	---	*	---	---	0.20	1.31	12.12	5.23	1.49	1.41	21.78

TIME OF OBSERVATION -- 0000-2300 GMT

TOTAL NUMBER OF OBSERVATIONS -- 4464

* INDICATES GREATER THAN 0 BUT LESS THAN 0.05

CAPE COLLINSON AERONAUTICAL METEOROLOGICAL STATION YEAR 1968-1973 APRIL

MEAN NUMBER OF SIMULTANEOUS OCCURRENCES OF SPECIFIED VISIBILITY RANGES AND SPECIFIED RANGES OF THE HEIGHT OF THE BASE OF THE LOWEST CLOUD LAYER COVERING 5 ORTAS OR MORE OF THE SKY

VISIBILITY (IN KM)	HEIGHT OF BASE OF CLOUD (IN HUNDREDS OF FEET)												OBSC	TOTAL
	00-01	01-02	02-03	03-04	04-05	05-06	06-08	08-10	10-15	15-30	30-80	80+		
0-0.1													0.05	0.05
0.1-0.2													0.32	0.32
0.2-0.3									*	*			0.23	0.26
0.3-0.4										*			0.12	0.12
0.4-0.5										*			0.12	0.14
0.5-0.6										*			*	0.06
0.6-0.7										*			*	*
0.7-0.8										*			*	*
0.8-0.9					*		*		*	*			0.07	0.11
0.9-1.0									*	*			0.08	0.11
1.0-1.2							*		*	*				0.05
1.2-1.6						*			0.08	0.10				0.18
1.6-2.0										*				*
2.0-2.4							*	*	0.06	0.08				0.16
2.4-3.2					*			*	0.07	0.30	*	*		0.41
3.2-4.8					*		*	*	0.13	0.51	*	*		0.75
4.8-8.0			*	*			*	0.05	0.44	1.78	*	0.19		2.52
8.0-16.0					*		*	0.05	0.81	8.37	2.69	1.24		13.15
≥ 16.0									*	0.51	1.23	0.81		2.56
TOTAL	---	---	*	*	*	*	0.08	0.16	1.66	11.80	3.97	2.27	1.08	21.06

TIME OF OBSERVATION -- 0000-2300 GMT

TOTAL NUMBER OF OBSERVATIONS -- 4320

* INDICATES GREATER THAN 0 BUT LESS THAN 0.05

CAPE COLLINSON AERONAUTICAL METEOROLOGICAL STATION YEAR 1968-1973 MAY

MEAN NUMBER OF SIMULTANEOUS OCCURRENCES OF SPECIFIED VISIBILITY RANGES AND SPECIFIED RANGES OF THE HEIGHT OF THE BASE OF THE LOWEST CLOUD LAYER COVERING 5 DKTS OR MORE OF THE SKY

VISIBILITY (IN KM)	HEIGHT OF BASE OF CLOUD (IN HUNDREDS OF FEET)													TOTAL	
	00-01	01-02	02-03	03-04	04-05	05-06	06-08	08-10	10-15	15-30	30-80	80+	OBSC		
0-0.1															---
0.1-0.2													0.10		0.10
0.2-0.3													*		*
0.3-0.4													0.06		0.06
0.4-0.5													*		*
0.5-0.6									*				*		*
0.6-0.7										*			*		*
0.7-0.8															---
0.8-0.9								*	*						*
0.9-1.0															---
1.0-1.2										*			*		*
1.2-1.6									*	*	*				*
1.6-2.0															---
2.0-2.4						*			*	0.07					0.12
2.4-3.2						*			0.05	0.15	*	*			0.23
3.2-4.8									0.06	0.25	*	*			0.34
4.8-8.0									0.11	1.24	0.08	0.16			1.59
8.0-16.0								*	0.57	8.87	1.43	3.01			13.90
> 16.0									0.09	1.77	0.38	1.22			3.46
TOTAL	---	---	---	---	---	*	---	*	0.94	12.40	1.91	4.42	0.24		19.94

TIME OF OBSERVATION -- 0000-2300 GMT

TOTAL NUMBER OF OBSERVATIONS -- 4464

* INDICATES GREATER THAN 0 BUT LESS THAN 0.05

CAPE COLLINSON AERONAUTICAL METEOROLOGICAL STATION YEAR 1968-1973 JUNE

MEAN NUMBER OF SIMULTANEOUS OCCURRENCES OF SPECIFIED VISIBILITY RANGES AND SPECIFIED RANGES OF THE HEIGHT OF THE BASE OF THE LOWEST CLOUD LAYER COVERING 5 DKTS OR MORE OF THE SKY

VISIBILITY (IN KM)	HEIGHT OF BASE OF CLOUD (IN HUNDREDS OF FEET)													TOTAL	
	00-01	01-02	02-03	03-04	04-05	05-06	06-08	08-10	10-15	15-30	30-80	80+	OBSC		
0-0.1															---
0.1-0.2															---
0.2-0.3															---
0.3-0.4															---
0.4-0.5															---
0.5-0.6										*					*
0.6-0.7									*						*
0.7-0.8									*						*
0.8-0.9															---
0.9-1.0															---
1.0-1.2															---
1.2-1.6									*	*					*
1.6-2.0															---
2.0-2.4									*	0.05		*			0.06
2.4-3.2									0.09	0.14					0.23
3.2-4.8									0.05	0.22		*			0.29
4.8-8.0									0.20	0.74	*	0.16			1.14
8.0-16.0									0.42	5.15	0.70	3.94			10.22
> 16.0									*	1.08	0.36	2.90			4.34
TOTAL	---	---	---	---	---	---	---	---	0.80	7.40	1.10	7.03	---		16.33

TIME OF OBSERVATION -- 0000-2300 GMT

TOTAL NUMBER OF OBSERVATIONS -- 4320

* INDICATES GREATER THAN 0 BUT LESS THAN 0.05

CAPE COLLINSON AERONAUTICAL METEOROLOGICAL STATION YEAR 1968-1973 JULY

MEAN NUMBER OF SIMULTANEOUS OCCURRENCES OF SPECIFIED VISIBILITY RANGES AND SPECIFIED RANGES OF THE HEIGHT OF THE BASE OF THE LOWEST CLOUD LAYER COVERING 5 OKTAS OR MORE OF THE SKY

VISIBILITY (IN KM)	HEIGHT OF BASE OF CLOUD (IN HUNDREDS OF FEET)													TOTAL
	00-01	01-02	02-03	03-04	04-05	05-06	06-08	08-10	10-15	15-30	30-80	80+	OBSC	
0-0.1														---
0.1-0.2														---
0.2-0.3														---
0.3-0.4														---
0.4-0.5														---
0.5-0.6														---
0.6-0.7														---
0.7-0.8														---
0.8-0.9														---
0.9-1.0														---
1.0-1.2														---
1.2-1.6														---
1.6-2.0														---
2.0-2.4										*				*
2.4-3.2										0.06		*		0.08
3.2-4.8									*	0.12		*		0.17
4.8-8.0									*	0.33	*	0.17		0.54
8.0-16.0									0.06	2.58	0.40	3.65		6.68
≥ 16.0										0.78	0.45	4.00		5.23
TOTAL	---	---	---	---	---	---	---	---	0.09	3.87	0.87	7.87	---	12.70

TIME OF OBSERVATION -- 0000-2300 GMT

TOTAL NUMBER OF OBSERVATIONS -- 4464

* INDICATES GREATER THAN 0 BUT LESS THAN 0.05

CAPE COLLINSON AERONAUTICAL METEOROLOGICAL STATION YEAR 1968-1973 AUGUST

MEAN NUMBER OF SIMULTANEOUS OCCURRENCES OF SPECIFIED VISIBILITY RANGES AND SPECIFIED RANGES OF THE HEIGHT OF THE BASE OF THE LOWEST CLOUD LAYER COVERING 5 OKTAS OR MORE OF THE SKY

VISIBILITY (IN KM)	HEIGHT OF BASE OF CLOUD (IN HUNDREDS OF FEET)													TOTAL
	00-01	01-02	02-03	03-04	04-05	05-06	06-08	08-10	10-15	15-30	30-80	80+	OBSC	
0-0.1														---
0.1-0.2														---
0.2-0.3														---
0.3-0.4										*				*
0.4-0.5														---
0.5-0.6														---
0.6-0.7														---
0.7-0.8														---
0.8-0.9								*		*				*
0.9-1.0														---
1.0-1.2										*				*
1.2-1.6										*				*
1.6-2.0										*				*
2.0-2.4										0.08		*		0.08
2.4-3.2									*	0.06		0.08		0.17
3.2-4.8									*	0.08		0.10		0.19
4.8-8.0									0.07	0.45	*	0.35		0.89
8.0-16.0									0.10	3.51	0.36	4.90		8.86
≥ 16.0										0.65	0.10	2.99		3.73
TOTAL	---	---	---	---	---	---	---	*	0.20	4.87	0.47	8.42	---	13.98

TIME OF OBSERVATION -- 0000-2300 GMT

TOTAL NUMBER OF OBSERVATIONS -- 4464

* INDICATES GREATER THAN 0 BUT LESS THAN 0.05

CAPE COLLINSON AERONAUTICAL METEOROLOGICAL STATION YEAR 1968-1973 SEPTEMBER

MEAN NUMBER OF SIMULTANEOUS OCCURRENCES OF SPECIFIED VISIBILITY RANGES AND SPECIFIED RANGES OF THE HEIGHT OF THE BASE OF THE LOWEST CLOUD LAYER COVERING 5 OKTAS OR MORE OF THE SKY

VISIBILITY (IN KM)	HEIGHT OF BASE OF CLOUD (IN HUNDREDS OF FEET)												TOTAL	
	00-01	01-02	02-03	03-04	04-05	05-06	06-08	08-10	10-15	15-30	30-80	80+		OBSC
0-0.1														---
0.1-0.2														---
0.2-0.3														---
0.3-0.4														---
0.4-0.5														---
0.5-0.6														---
0.6-0.7														---
0.7-0.8														---
0.8-0.9														---
0.9-1.0														---
1.0-1.2														---
1.2-1.6										*				*
1.6-2.0										*				*
2.0-2.4										*				*
2.4-3.2									*	*		*		0.07
3.2-4.8									*	0.10		0.06		0.17
4.8-8.0									*	0.26	*	0.19		0.47
8.0-16.0									*	2.42	0.66	3.42		6.55
≥ 16.0									*	0.51	0.88	2.51		3.94
TOTAL	---	---	---	---	---	---	---	---	0.10	3.35	1.55	6.22	---	11.22

TIME OF OBSERVATION -- 0000-2300 GMT

TOTAL NUMBER OF OBSERVATIONS -- 4320

* INDICATES GREATER THAN 0 BUT LESS THAN 0.05

CAPE COLLINSON AERONAUTICAL METEOROLOGICAL STATION YEAR 1968-1973 OCTOBER

MEAN NUMBER OF SIMULTANEOUS OCCURRENCES OF SPECIFIED VISIBILITY RANGES AND SPECIFIED RANGES OF THE HEIGHT OF THE BASE OF THE LOWEST CLOUD LAYER COVERING 5 OKTAS OR MORE OF THE SKY

VISIBILITY (IN KM)	HEIGHT OF BASE OF CLOUD (IN HUNDREDS OF FEET)												TOTAL	
	00-01	01-02	02-03	03-04	04-05	05-06	06-08	08-10	10-15	15-30	30-80	80+		OBSC
0-0.1														---
0.1-0.2														---
0.2-0.3														---
0.3-0.4														---
0.4-0.5														---
0.5-0.6														---
0.6-0.7														---
0.7-0.8														---
0.8-0.9														---
0.9-1.0														---
1.0-1.2														---
1.2-1.6														---
1.6-2.0														---
2.0-2.4										*				*
2.4-3.2										*				*
3.2-4.8										0.06				0.06
4.8-8.0										0.10	*			0.11
8.0-16.0									*	2.86	2.24	1.22		6.32
≥ 16.0									*	0.80	2.29	2.28		5.40
TOTAL	---	---	---	---	---	---	---	---	*	3.84	4.54	3.50	---	11.91

TIME OF OBSERVATION -- 0000-2300 GMT

TOTAL NUMBER OF OBSERVATIONS -- 4464

* INDICATES GREATER THAN 0 BUT LESS THAN 0.05

CAPE COLLINSON AERONAUTICAL METEOROLOGICAL STATION YEAR 1968-1973 NOVEMBER

MEAN NUMBER OF SIMULTANEOUS OCCURRENCES OF SPECIFIED VISIBILITY RANGES AND SPECIFIED RANGES OF THE HEIGHT OF THE BASE OF THE LOWEST CLOUD LAYER COVERING 5 OKTAS OR MORE OF THE SKY

VISIBILITY (IN KM)	HEIGHT OF BASE OF CLOUD (IN HUNDREDS OF FEET)													TOTAL
	00-01	01-02	02-03	03-04	04-05	05-06	06-08	08-10	10-15	15-30	30-80	80+	OBSC	
0-0.1														---
0.1-0.2														---
0.2-0.3														---
0.3-0.4														---
0.4-0.5														---
0.5-0.6														---
0.6-0.7														---
0.7-0.8														---
0.8-0.9														---
0.9-1.0														---
1.0-1.2														---
1.2-1.6														---
1.6-2.0														---
2.0-2.4														---
2.4-3.2														---
3.2-4.8														---
4.8-8.0									*	0.10	*	*		0.17
8.0-16.0								*		1.85	3.07	1.70		6.62
≥ 16.0								*		0.47	1.54	2.30		4.31
TOTAL	---	---	---	---	---	---	---	*	*	2.41	4.66	4.01	---	11.12

TIME OF OBSERVATION -- 0000-2300 GMT

TOTAL NUMBER OF OBSERVATIONS -- 4320

* INDICATES GREATER THAN 0 BUT LESS THAN 0.05

CAPE COLLINSON AERONAUTICAL METEOROLOGICAL STATION YEAR 1968-1973 DECEMBER

MEAN NUMBER OF SIMULTANEOUS OCCURRENCES OF SPECIFIED VISIBILITY RANGES AND SPECIFIED RANGES OF THE HEIGHT OF THE BASE OF THE LOWEST CLOUD LAYER COVERING 5 OKTAS OR MORE OF THE SKY

VISIBILITY (IN KM)	HEIGHT OF BASE OF CLOUD (IN HUNDREDS OF FEET)													TOTAL
	00-01	01-02	02-03	03-04	04-05	05-06	06-08	08-10	10-15	15-30	30-80	80+	OBSC	
0-0.1														---
0.1-0.2														---
0.2-0.3														---
0.3-0.4														---
0.4-0.5														---
0.5-0.6														---
0.6-0.7														---
0.7-0.8														---
0.8-0.9														---
0.9-1.0														---
1.0-1.2														---
1.2-1.6														---
1.6-2.0														---
2.0-2.4														---
2.4-3.2									*		*			*
3.2-4.8									*	0.08	*			0.11
4.8-8.0								*	0.05	0.28	0.12			0.47
8.0-16.0								*	0.17	4.04	3.87	1.32		9.42
≥ 16.0										0.47	1.84	0.89		3.20
TOTAL	---	---	---	---	---	---	---	*	0.25	4.87	5.86	2.21	---	13.23

TIME OF OBSERVATION -- 0000-2300 GMT

TOTAL NUMBER OF OBSERVATIONS -- 4464

* INDICATES GREATER THAN 0 BUT LESS THAN 0.05

CAPE COLLINSON AERONAUTICAL METEOROLOGICAL STATION YEAR 1968-1973 JANUARY

MEAN NUMBER OF SIMULTANEOUS OCCURRENCES OF SPECIFIED VISIBILITY RANGES AND SPECIFIED RANGES OF THE HEIGHT OF THE BASE OF THE LOWEST CLOUD LAYER COVERING 1 OKTA OR MORE OF THE SKY

VISIBILITY (IN KM)	HEIGHT OF BASE OF CLOUD (IN HUNDREDS OF FEET)													DBSC	TOTAL
	00-01	01-02	02-03	03-04	04-05	05-06	06-08	08-10	10-15	15-30	30-80	80+			
0-0.1				*											
0.1-0.2			*											0.15	0.17
0.2-0.3			0.12											0.12	0.25
0.3-0.4			*											0.10	0.11
0.4-0.5														0.06	0.06
0.5-0.6			*											0.05	0.06
0.6-0.7			*											*	*
0.7-0.8			*											*	*
0.8-0.9			*	*										0.06	0.09
0.9-1.0		*	*											0.05	0.08
1.0-1.2		*	*					*							*
1.2-1.6		*	*	*	*			*							0.10
1.6-2.0		*	*					*							*
2.0-2.4		*	0.10	0.05	*		*		*						0.22
2.4-3.2		*	0.08	0.07	0.08	*	*	*	*						0.33
3.2-4.8		*	0.06	*	*	*	0.08	*	*	*					0.29
4.8-8.0			0.12	0.10	0.12	0.14	0.30	0.08	0.17	0.07					1.09
8.0-16.0		*	*	0.11	0.16	0.47	0.69	0.90	2.92	9.42	1.63	0.14			16.46
≥ 16.0					*	*	*	0.12	0.26	4.28	2.19	0.10			6.99
TOTAL	---	0.11	0.62	0.40	0.46	0.66	1.14	1.17	3.41	13.77	3.82	0.24	0.63		26.42

TIME OF OBSERVATION -- 0000-2300 GMT

TOTAL NUMBER OF OBSERVATIONS -- 4464

* INDICATES GREATER THAN 0 BUT LESS THAN 0.05

CAPE COLLINSON AERONAUTICAL METEOROLOGICAL STATION YEAR 1968-1973 FEBRUARY

MEAN NUMBER OF SIMULTANEOUS OCCURRENCES OF SPECIFIED VISIBILITY RANGES AND SPECIFIED RANGES OF THE HEIGHT OF THE BASE OF THE LOWEST CLOUD LAYER COVERING 1 OKTA OR MORE OF THE SKY

VISIBILITY (IN KM)	HEIGHT OF BASE OF CLOUD (IN HUNDREDS OF FEET)													DBSC	TOTAL
	00-01	01-02	02-03	03-04	04-05	05-06	06-08	08-10	10-15	15-30	30-80	80+			
0-0.1				*	*									0.08	0.10
0.1-0.2					*									*	*
0.2-0.3		*			*									0.11	0.12
0.3-0.4				*										0.05	0.05
0.4-0.5			*	*	*									*	*
0.5-0.6			*	*	*									0.05	0.08
0.6-0.7			*	*	*									*	0.07
0.7-0.8			*	*	*									*	*
0.8-0.9			*	*	*									0.06	0.12
0.9-1.0			*	*										0.06	0.10
1.0-1.2		*	*	*	*		*							*	0.08
1.2-1.6			*	0.08	*										0.12
1.6-2.0			*	*	*										*
2.0-2.4		*	0.05	0.14	*	*									0.26
2.4-3.2		*	0.08	0.19	0.18	0.05	*	*	*	*					0.55
3.2-4.8		*	0.05	0.19	0.14	0.13	0.08	*	*	*					0.65
4.8-8.0			*	0.18	0.46	0.33	0.44	0.14	0.24	0.06	*	*			1.92
8.0-16.0	*		*	*	0.47	0.42	1.37	1.56	4.09	8.52	1.76	*			18.29
≥ 16.0			*	*			*		0.18	2.09	1.70	0.29			4.31
TOTAL	*	0.05	0.43	0.93	1.39	0.95	1.92	1.73	4.54	10.69	3.48	0.34	0.54		26.97

TIME OF OBSERVATION -- 0000-2300 GMT

TOTAL NUMBER OF OBSERVATIONS -- 4080

* INDICATES GREATER THAN 0 BUT LESS THAN 0.05

CAPE COLLINSON AERONAUTICAL METEOROLOGICAL STATION YEAR 1968-1973 MARCH

MEAN NUMBER OF SIMULTANEOUS OCCURRENCES OF SPECIFIED VISIBILITY RANGES AND SPECIFIED RANGES OF THE HEIGHT OF THE BASE OF THE LOWEST CLOUD LAYER COVERING 1 OKTA OR MORE OF THE SKY

VISIBILITY (IN KM)	HEIGHT OF BASE OF CLOUD (IN HUNDREDS OF FEET)													TOTAL
	00-01	01-02	02-03	03-04	04-05	05-06	06-08	08-10	10-15	15-30	30-80	80+	OBSC	
0-0.1													*	*
0.1-0.2				*									0.15	0.16
0.2-0.3			*	*	*	*							0.50	0.51
0.3-0.4		*	*		*								0.19	0.21
0.4-0.5					*								0.19	0.20
0.5-0.6					*	*							0.11	0.13
0.6-0.7			*		*	*							0.05	0.08
0.7-0.8										*			*	*
0.8-0.9		*	*		*		*						0.11	0.17
0.9-1.0			*										*	*
1.0-1.2						*				*	*		0.07	0.10
1.2-1.6			0.05	*	0.05	*	*			*			*	*
1.6-2.0			*	*	*	*	*							0.19
2.0-2.4			*	0.17	0.08	*	*	*	*		*			0.35
2.4-3.2		*	*	0.19	0.15	0.15	0.07	*	*		*			0.64
3.2-4.8		*	*	0.26	0.31	0.19	0.15	0.07	0.06	*	*			1.09
4.8-8.0			0.07	0.34	0.40	0.51	0.71	0.31	0.37	0.26	*			2.99
8.0-16.0			*	0.19	0.26	0.79	1.55	1.86	3.92	7.56	0.71	0.09		16.94
≥ 16.0								0.07	0.40	3.39	1.12	0.41		5.39
TOTAL	---	*	0.28	1.23	1.28	1.75	2.53	2.35	4.77	11.27	1.89	0.50	1.41	29.29

TIME OF OBSERVATION -- 0000-2300 GMT

TOTAL NUMBER OF OBSERVATIONS -- 4464

* INDICATES GREATER THAN 0 BUT LESS THAN 0.05

CAPE COLLINSON AERONAUTICAL METEOROLOGICAL STATION YEAR 1968-1973 APRIL

MEAN NUMBER OF SIMULTANEOUS OCCURRENCES OF SPECIFIED VISIBILITY RANGES AND SPECIFIED RANGES OF THE HEIGHT OF THE BASE OF THE LOWEST CLOUD LAYER COVERING 1 OKTA OR MORE OF THE SKY

VISIBILITY (IN KM)	HEIGHT OF BASE OF CLOUD (IN HUNDREDS OF FEET)													TOTAL
	00-01	01-02	02-03	03-04	04-05	05-06	06-08	08-10	10-15	15-30	30-80	80+	OBSC	
0-0.1													0.05	0.05
0.1-0.2													0.32	0.32
0.2-0.3			*	*	*	*							0.23	0.26
0.3-0.4					*				*				0.12	0.13
0.4-0.5			*	*									0.12	0.15
0.5-0.6		*			*	*				*			*	0.08
0.6-0.7		*		*						*			*	0.06
0.7-0.8			*										*	*
0.8-0.9			*	*	*					*			0.07	0.12
0.9-1.0		*		*	*								0.08	0.11
1.0-1.2			*	*										0.05
1.2-1.6		*	*	0.07	0.06	*	*							0.19
1.6-2.0				*										*
2.0-2.4		*	0.06	*	*	*	*							0.16
2.4-3.2		*	0.10	0.06	0.12	0.11		*						0.41
3.2-4.8			*	0.26	0.17	0.21	0.05	*	*	*				0.78
4.8-8.0		*	0.08	0.31	0.51	0.51	0.78	0.22	0.21	0.12	0.05			2.80
8.0-16.0			0.06	0.10	0.44	0.72	2.43	2.33	4.30	7.16	0.58	0.41		18.53
≥ 16.0				*		*	0.08	0.08	0.40	3.41	0.56	0.55		5.12
TOTAL	---	0.07	0.51	0.90	1.36	1.60	3.37	2.66	4.92	10.74	1.19	0.96	1.08	29.37

TIME OF OBSERVATION -- 0000-2300 GMT

TOTAL NUMBER OF OBSERVATIONS -- 4320

* INDICATES GREATER THAN 0 BUT LESS THAN 0.05

CAPE COLLINSON AERONAUTICAL METEOROLOGICAL STATION YEAR 1968-1973 MAY

MEAN NUMBER OF SIMULTANEOUS OCCURRENCES OF SPECIFIED VISIBILITY RANGES AND SPECIFIED RANGES OF THE HEIGHT OF THE BASE OF THE LOWEST CLOUD LAYER COVERING 1 OKTA OR MORE OF THE SKY

VISIBILITY (IN KM)	HEIGHT OF BASE OF CLOUD (IN HUNDREDS OF FEET)												TOTAL	
	00-01	01-02	02-03	03-04	04-05	05-06	06-08	08-10	10-15	15-30	30-80	80+		OBSC
0-0.1														---
0.1-0.2													0.10	0.10
0.2-0.3													*	*
0.3-0.4													0.06	0.06
0.4-0.5													*	*
0.5-0.6						*							*	*
0.6-0.7			*										*	*
0.7-0.8														---
0.8-0.9		*			*									*
0.9-1.0														---
1.0-1.2							*	*	*				*	*
1.2-1.6			*	*		*			*					*
1.6-2.0														---
2.0-2.4			*	*	*	*	*	*	*	*				0.12
2.4-3.2	*	*	*	*	*	*	*	*	*	*				0.24
3.2-4.8		*	0.06	0.05	0.10	0.07	*	*	*	*				0.38
4.8-8.0	*	*	*	0.08	0.11	0.20	0.46	0.26	0.44	0.07	*			1.67
8.0-16.0	*	*	*	0.12	0.42	0.49	1.78	2.70	7.89	6.09	0.11	0.06		19.71
> 16.0					0.23	*	0.13	0.25	2.33	5.13	0.22	0.14		8.47
TOTAL	*	*	0.18	0.30	0.93	0.88	2.47	3.29	10.74	11.31	0.34	0.19	0.24	30.92

TIME OF OBSERVATION -- 0000-2300 GMT

TOTAL NUMBER OF OBSERVATIONS -- 4464

* INDICATES GREATER THAN 0 BUT LESS THAN 0.05

CAPE COLLINSON AERONAUTICAL METEOROLOGICAL STATION YEAR 1968-1973 JUNE

MEAN NUMBER OF SIMULTANEOUS OCCURRENCES OF SPECIFIED VISIBILITY RANGES AND SPECIFIED RANGES OF THE HEIGHT OF THE BASE OF THE LOWEST CLOUD LAYER COVERING 1 OKTA OR MORE OF THE SKY

VISIBILITY (IN KM)	HEIGHT OF BASE OF CLOUD (IN HUNDREDS OF FEET)												TOTAL	
	00-01	01-02	02-03	03-04	04-05	05-06	06-08	08-10	10-15	15-30	30-80	80+		OBSC
0-0.1														---
0.1-0.2														---
0.2-0.3														---
0.3-0.4														---
0.4-0.5														---
0.5-0.6										*				*
0.6-0.7							*							*
0.7-0.8				*										*
0.8-0.9														---
0.9-1.0														---
1.0-1.2										*				*
1.2-1.6			*			*	*		*					*
1.6-2.0														---
2.0-2.4					*	*	*	*	*	*				0.06
2.4-3.2			*	*	*	0.06	*	*	0.05					0.24
3.2-4.8				*	*	*	0.06	*	0.12	*				0.29
4.8-8.0				0.06	0.10	0.15	0.24	0.15	0.43	0.06				1.17
8.0-16.0	*			*	0.28	0.26	0.81	1.61	7.71	4.92	0.07			15.68
> 16.0	*					*	0.07	0.18	3.44	8.51	0.13	*		12.39
TOTAL	*	---	*	0.11	0.47	0.53	1.24	2.01	11.81	13.50	0.20	*	---	29.92

TIME OF OBSERVATION -- 0000-2300 GMT

TOTAL NUMBER OF OBSERVATIONS -- 4320

* INDICATES GREATER THAN 0 BUT LESS THAN 0.05

CAPE COLLINSON AERONAUTICAL METEOROLOGICAL STATION YEAR 1968-1973 JULY

MEAN NUMBER OF SIMULTANEOUS OCCURRENCES OF SPECIFIED VISIBILITY RANGES AND SPECIFIED RANGES OF THE HEIGHT OF THE BASE OF THE LOWEST CLOUD LAYER COVERING 1 OKTA OR MORE OF THE SKY

VISIBILITY (IN KM)	HEIGHT OF BASE OF CLOUD (IN HUNDREDS OF FEET)													TOTAL
	00-01	01-02	02-03	03-04	04-05	05-06	06-08	08-10	10-15	15-30	30-80	80+	OBSC	
0-0.1														---
0.1-0.2														---
0.2-0.3														---
0.3-0.4														---
0.4-0.5														---
0.5-0.6														---
0.6-0.7														---
0.7-0.8														---
0.8-0.9														---
0.9-1.0														---
1.0-1.2														---
1.2-1.6														---
1.6-2.0														---
2.0-2.4								*						*
2.4-3.2						*	*		0.06					0.09
3.2-4.8							*		0.16	*				0.19
4.8-8.0						*	0.06	0.08	0.38	*				0.57
8.0-16.0						*	0.24	0.42	4.51	6.18	*			11.36
≥ 16.0	*						*	0.11	1.83	16.18	0.47	0.15		18.77
TOTAL	*	---	---	---	---	*	0.36	0.61	6.94	22.42	0.49	0.15	---	30.99

TIME OF OBSERVATION -- 0000-2300 GMT

TOTAL NUMBER OF OBSERVATIONS -- 4464

* INDICATES GREATER THAN 0 BUT LESS THAN 0.05

CAPE COLLINSON AERONAUTICAL METEOROLOGICAL STATION YEAR 1968-1973 AUGUST

MEAN NUMBER OF SIMULTANEOUS OCCURRENCES OF SPECIFIED VISIBILITY RANGES AND SPECIFIED RANGES OF THE HEIGHT OF THE BASE OF THE LOWEST CLOUD LAYER COVERING 1 OKTA OR MORE OF THE SKY

VISIBILITY (IN KM)	HEIGHT OF BASE OF CLOUD (IN HUNDREDS OF FEET)													TOTAL
	00-01	01-02	02-03	03-04	04-05	05-06	06-08	08-10	10-15	15-30	30-80	80+	OBSC	
0-0.1														---
0.1-0.2														---
0.2-0.3														---
0.3-0.4														---
0.4-0.5														---
0.5-0.6														---
0.6-0.7														---
0.7-0.8														---
0.8-0.9						*	*							*
0.9-1.0														---
1.0-1.2									*					*
1.2-1.6									*					*
1.6-2.0							*		*					*
2.0-2.4								*	0.05					0.09
2.4-3.2				*	*	*	0.06	*	0.07					0.19
3.2-4.8						*	*	*	0.11	*				0.21
4.8-8.0					*	*	0.14	0.23	0.52	0.08				0.99
8.0-16.0				*	*	0.12	0.28	0.65	6.17	7.87	*			15.13
≥ 16.0						*	0.06	0.15	2.23	11.67	0.12	*		14.28
TOTAL	---	---	---	*	*	0.17	0.57	1.14	9.18	19.66	0.15	*	---	30.95

TIME OF OBSERVATION -- 0000-2300 GMT

TOTAL NUMBER OF OBSERVATIONS -- 4464

* INDICATES GREATER THAN 0 BUT LESS THAN 0.05

CAPE COLLINSON AERONAUTICAL METEOROLOGICAL STATION YEAR 1968-1973 SEPTEMBER

MEAN NUMBER OF SIMULTANEOUS OCCURRENCES OF SPECIFIED VISIBILITY RANGES AND SPECIFIED RANGES OF THE HEIGHT OF THE BASE OF THE LOWEST CLOUD LAYER COVERING 1 OKTA OR MORE OF THE SKY

VISIBILITY (IN KM)	HEIGHT OF BASE OF CLOUD (IN HUNDREDS OF FEET)													TOTAL
	00-01	01-02	02-03	03-04	04-05	05-06	06-08	08-10	10-15	15-30	30-80	80+	OBSC	
0-0.1														---
0.1-0.2														---
0.2-0.3														---
0.3-0.4														---
0.4-0.5														---
0.5-0.6														---
0.6-0.7														---
0.7-0.8														---
0.8-0.9														---
0.9-1.0														---
1.0-1.2														---
1.2-1.6									*					*
1.6-2.0							*							*
2.0-2.4									*	*				*
2.4-3.2					*		*	*	0.05					0.07
3.2-4.8							*	*	0.09	*				0.17
4.8-8.0							*	0.08	0.29	0.12				0.53
8.0-16.0					*	0.06	0.15	0.29	2.88	10.67	0.47	0.08		14.60
≥ 16.0						*	*	0.12	0.69	12.26	0.98	0.36		14.46
TOTAL	---	---	---	---	*	0.06	0.28	3.50	4.02	23.09	1.44	0.44	---	29.86

TIME OF OBSERVATION -- 0000-2300 GMT

TOTAL NUMBER OF OBSERVATIONS -- 4320

* INDICATES GREATER THAN 0 BUT LESS THAN 0.05

CAPE COLLINSON AERONAUTICAL METEOROLOGICAL STATION YEAR 1968-1973 OCTOBER

MEAN NUMBER OF SIMULTANEOUS OCCURRENCES OF SPECIFIED VISIBILITY RANGES AND SPECIFIED RANGES OF THE HEIGHT OF THE BASE OF THE LOWEST CLOUD LAYER COVERING 1 OKTA OR MORE OF THE SKY

VISIBILITY (IN KM)	HEIGHT OF BASE OF CLOUD (IN HUNDREDS OF FEET)													TOTAL
	00-01	01-02	02-03	03-04	04-05	05-06	06-08	08-10	10-15	15-30	30-80	80+	OBSC	
0-0.1														---
0.1-0.2														---
0.2-0.3														---
0.3-0.4														---
0.4-0.5														---
0.5-0.6														---
0.6-0.7														---
0.7-0.8														---
0.8-0.9														---
0.9-1.0														---
1.0-1.2														---
1.2-1.6														---
1.6-2.0														---
2.0-2.4							*							*
2.4-3.2						*		*						*
3.2-4.8						*	*	*	*					0.06
4.8-8.0						*	*	*	0.07	*				0.12
8.0-16.0					*	0.08	0.12	0.24	1.96	8.30	0.64	*		11.36
≥ 16.0	*					*	*	*	0.62	12.51	4.22	0.74		18.17
TOTAL	*	---	---	---	*	0.12	0.17	0.31	2.67	20.82	4.86	0.76	---	29.74

TIME OF OBSERVATION -- 0000-2300 GMT

TOTAL NUMBER OF OBSERVATIONS -- 4464

* INDICATES GREATER THAN 0 BUT LESS THAN 0.05

CAPE COLLINSON AERONAUTICAL METEOROLOGICAL STATION YEAR 1968-1973 NOVEMBER

MEAN NUMBER OF SIMULTANEOUS OCCURRENCES OF SPECIFIED VISIBILITY RANGES AND SPECIFIED RANGES OF THE HEIGHT OF THE BASE OF THE LOWEST CLOUD LAYER COVERING 1 OKTA OR MORE OF THE SKY

VISIBILITY (IN KM)	HEIGHT OF BASE OF CLOUD (IN HUNDREDS OF FEET)													TOTAL
	00-01	01-02	02-03	03-04	04-05	05-06	06-08	08-10	10-15	15-30	30-80	80+	OBSC	
0-0.1														---
0.1-0.2														---
0.2-0.3														---
0.3-0.4														---
0.4-0.5														---
0.5-0.6														---
0.6-0.7														---
0.7-0.8														---
0.8-0.9														---
0.9-1.0														---
1.0-1.2														---
1.2-1.6														---
1.6-2.0														---
2.0-2.4														---
2.4-3.2														---
3.2-4.8							*			*				---
4.8-8.0							*	*	0.12	*				0.18
8.0-16.0						*	0.11	0.46	1.51	7.01	1.86	0.36		11.34
≥ 16.0							*	*	0.20	10.10	4.51	1.46		16.32
TOTAL	---	---	---	---	---	*	0.15	0.52	1.83	17.14	6.37	1.82	---	27.85

TIME OF OBSERVATION -- 0000-2300 GMT

TOTAL NUMBER OF OBSERVATIONS -- 4320

* INDICATES GREATER THAN 0 BUT LESS THAN 0.05

CAPE COLLINSON AERONAUTICAL METEOROLOGICAL STATION YEAR 1968-1973 DECEMBER

MEAN NUMBER OF SIMULTANEOUS OCCURRENCES OF SPECIFIED VISIBILITY RANGES AND SPECIFIED RANGES OF THE HEIGHT OF THE BASE OF THE LOWEST CLOUD LAYER COVERING 1 OKTA OR MORE OF THE SKY

VISIBILITY (IN KM)	HEIGHT OF BASE OF CLOUD (IN HUNDREDS OF FEET)													TOTAL
	00-01	01-02	02-03	03-04	04-05	05-06	06-08	08-10	10-15	15-30	30-80	80+	OBSC	
0-0.1														---
0.1-0.2														---
0.2-0.3														---
0.3-0.4														---
0.4-0.5														---
0.5-0.6														---
0.6-0.7														---
0.7-0.8														---
0.8-0.9														---
0.9-1.0														---
1.0-1.2														---
1.2-1.6														---
1.6-2.0														---
2.0-2.4										*				---
2.4-3.2				*	*			*		*				0.06
3.2-4.8				*	*	0.06	*	*	*	*	*			0.14
4.8-8.0				*	*	0.12	0.13	0.08	0.08	0.07				0.54
8.0-16.0				*	0.09	0.32	0.64	0.62	3.23	8.41	3.72	0.38		17.42
≥ 16.0					*	*	*	0.08	0.32	4.90	2.01	1.06		8.40
TOTAL	---	---	---	0.07	0.16	0.51	0.79	0.80	3.65	13.40	5.75	1.44	---	26.57

TIME OF OBSERVATION -- 0000-2300 GMT

TOTAL NUMBER OF OBSERVATIONS -- 4464

* INDICATES GREATER THAN 0 BUT LESS THAN 0.05

Cape Collinson Aeronautical Meteorological Station
Climatological Summary for 1968 - 1973

Month	Pressure mean sea level mbar	Air Temperature						Dew Point °C	Relative Humidity %	Wind Speed knots	
		24-hour mean °C	Mean		Absolute extremes						
			maximum °C	minimum °C	maximum °C	date	minimum °C				date
January	1019.0	15.0	17.9	13.0	25.7	20th 1969	5.3	31st 1971	10.9	78	8.7
February	1018.1	14.8	17.4	12.9	26.7	27th 1973	3.7	9th 1972	11.7	83	7.7
March	1016.4	17.3	19.9	15.4	29.7	31st 1973	7.4	3rd 1968	14.4	84	6.4
April	1013.7	21.1	23.6	19.1	30.4	26th 1973	9.6	5th 1969	18.3	85	5.6
May	1008.7	25.1	27.5	23.3	31.9	31st 1970	18.3	5th 1971	23.2	89	6.0
June	1006.0	26.9	29.1	25.2	33.6	16th 1971	21.7	4th 1968	24.7	88	6.7
July	1003.6	28.2	30.8	26.0	35.1	23rd 1972	22.9	28th 1972	25.2	84	6.6
August	1005.1	27.5	30.3	25.5	34.2	3rd 1969	22.4	17th 1971	24.8	86	5.7
September	1008.2	27.4	30.2	25.4	33.8	14th 1972	19.1	30th 1970	23.5	80	7.0
October	1013.7	24.2	26.8	22.4	32.1	13th 1970	16.2	31st 1970	19.3	75	9.1
November	1017.8	20.8	23.8	18.7	29.7	6th 1972	10.8	30th 1971	15.1	71	8.4
December	1019.2	17.4	20.5	15.2	29.0	4th 1968	6.5	25th 1973	11.9	72	8.0
Year	1012.5	22.1	24.8	20.2	35.1	23rd Jul 1972	3.7	9th Feb 1972	18.6	81	7.2

Cape Collinson Aeronautical Meteorological Station
Climatological Summary for 1968 - 1973

Month	Cloud amount %	Rainfall			Number of days with rain					
		Total mm	Daily Maximum mm	Hourly maximum mm	≥ 0.1 mm	≥ 1.0 mm	≥ 10.0 mm	≥ 25.0 mm	≥ 50.0 mm	≥ 100.0 mm
January	63	32.7	30.4	6.4	8	4	1			
February	77	24.1	19.5	10.2	10	5	1			
March	75	47.2	38.9	19.7	9	5	2			
April	76	72.6	99.2	35.3	9	5	2	1	1	
May	77	308.9	172.9	57.2	18	14	7	3	2	
June	74	436.6	190.5	60.2	18	15	8	4	2	1
July	65	226.1	165.9	31.8	19	15	6	3	1	
August	66	323.0	172.6	53.3	18	14	8	4	2	
September	61	228.3	199.2	63.8	12	9	4	3	1	1
October	58	45.2	39.7	21.5	8	5	2	1		
November	52	21.5	48.7	28.1	4	2	1			
December	53	42.9	58.5	16.8	6	4	1			
Year	66	1809.1	199.2	63.8	139	97	43	19	9	2

HOURLY MEAN OF MEAN SEA LEVEL PRESSURE AT CAPE COLLINSON 1968-1973

MILLIBARS

HOURS H.K.ST.T.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0100	1019.4	1018.4	1015.9	1014.1	1008.9	1006.2	1003.9	1005.4	1008.5	1013.7	1017.9	1019.5
0200	1019.1	1018.2	1015.4	1013.7	1008.5	1005.8	1003.5	1005.1	1008.1	1013.4	1017.8	1019.3
0300	1018.9	1017.9	1015.1	1013.2	1008.3	1005.5	1003.3	1004.8	1007.8	1013.1	1017.4	1019.0
0400	1018.7	1017.7	1015.8	1013.0	1008.1	1005.4	1003.2	1004.6	1007.6	1012.9	1017.2	1018.9
0500	1018.7	1017.5	1015.9	1013.1	1008.2	1005.5	1003.2	1004.6	1007.6	1013.0	1017.4	1018.8
0600	1018.9	1017.9	1015.2	1013.4	1008.4	1005.7	1003.4	1004.7	1007.9	1013.3	1017.5	1019.1
0700	1019.3	1018.4	1016.8	1013.9	1008.7	1006.2	1003.7	1005.1	1008.3	1013.9	1018.2	1019.5
0800	1020.0	1019.0	1017.4	1014.5	1009.4	1006.5	1004.0	1005.5	1008.9	1014.5	1018.8	1020.2
0900	1020.5	1019.5	1018.0	1015.1	1009.8	1006.8	1004.3	1005.9	1009.3	1015.0	1019.2	1020.8
1000	1020.9	1019.9	1018.3	1015.3	1010.0	1007.0	1004.4	1006.1	1009.5	1015.2	1019.4	1021.0
1100	1020.7	1019.8	1018.2	1015.2	1010.0	1007.0	1004.4	1006.1	1009.5	1015.0	1019.2	1020.7
1200	1020.0	1019.2	1017.5	1014.9	1009.7	1006.8	1004.2	1005.8	1009.1	1014.4	1018.4	1020.0
1300	1018.9	1018.3	1015.9	1014.2	1009.2	1006.4	1003.9	1005.4	1008.4	1013.5	1017.5	1018.9
1400	1018.0	1017.4	1015.9	1013.4	1008.5	1005.9	1003.4	1004.9	1007.8	1012.8	1016.7	1018.1
1500	1017.5	1016.7	1015.2	1012.7	1008.1	1005.3	1003.0	1004.4	1007.2	1012.4	1016.3	1017.6
1600	1017.5	1016.4	1014.7	1012.3	1007.5	1005.0	1002.5	1003.9	1006.9	1012.2	1015.2	1017.4
1700	1017.7	1016.5	1014.8	1012.2	1007.4	1004.8	1002.4	1003.8	1006.9	1012.4	1015.4	1017.7
1800	1018.0	1016.8	1014.9	1012.4	1007.5	1004.9	1002.4	1003.9	1007.1	1012.7	1015.8	1018.0
1900	1018.3	1017.1	1015.3	1012.7	1007.8	1005.2	1002.8	1004.2	1007.5	1013.1	1017.3	1018.5
2000	1018.8	1017.5	1015.8	1013.2	1008.4	1005.5	1003.3	1004.7	1008.1	1013.7	1017.9	1019.9
2100	1019.2	1018.1	1016.4	1013.8	1008.8	1006.1	1003.7	1005.3	1008.8	1014.2	1018.3	1019.4
2200	1019.3	1018.3	1016.9	1014.3	1009.2	1006.5	1004.2	1005.9	1009.1	1014.4	1018.4	1019.5
2300	1019.4	1018.5	1017.0	1014.5	1009.4	1006.7	1004.4	1005.9	1009.1	1014.4	1018.5	1019.7
2400	1019.3	1018.5	1017.0	1014.4	1009.2	1006.5	1004.3	1005.8	1008.9	1014.3	1018.3	1019.5
MEAN	1019.0	1018.1	1015.4	1013.7	1008.7	1006.0	1003.5	1005.1	1008.2	1013.7	1017.8	1019.2

HOURLY MEAN OF AIR TEMPERATURE AT CAPE COLLINSON 1968-1973

DEGREES CELSIUS

HOUR H.K.ST.T.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0100	14.5	14.2	16.5	20.3	24.3	26.2	27.3	26.6	26.5	23.5	20.2	16.7
0200	14.4	14.1	16.4	20.2	24.3	26.1	27.2	26.5	26.5	23.4	20.0	16.6
0300	14.2	14.0	16.3	20.1	24.2	26.0	27.1	26.5	26.4	23.3	19.9	16.4
0400	14.1	13.9	16.2	20.0	24.2	25.9	27.1	26.4	26.2	23.1	19.7	16.3
0500	13.9	13.8	16.2	19.9	24.1	25.9	26.9	26.3	26.1	23.0	19.6	16.1
0600	13.8	13.7	16.1	19.9	24.1	25.9	25.9	26.3	26.0	22.9	19.4	15.9
0700	13.7	13.6	16.1	20.0	24.4	26.3	27.3	26.5	26.2	22.9	19.3	15.8
0800	13.8	13.8	16.5	20.4	24.9	26.8	28.0	27.2	25.8	23.3	19.7	15.1
0900	14.4	14.4	17.0	21.0	25.4	27.3	28.5	27.9	27.6	24.1	20.5	15.9
1000	15.2	15.0	17.6	21.6	25.9	27.7	28.9	28.5	28.2	24.7	21.3	17.8
1100	15.8	15.6	18.2	22.1	26.3	27.9	29.4	28.9	28.5	25.3	21.8	19.4
1200	16.2	16.0	18.5	22.5	26.4	28.1	29.7	29.3	29.0	25.6	22.2	18.8
1300	16.5	16.2	18.8	22.6	26.5	28.2	29.9	29.3	29.3	25.8	22.5	19.2
1400	16.8	16.3	18.8	22.5	26.5	28.2	29.9	29.3	29.3	26.0	22.8	19.4
1500	16.8	16.3	18.8	22.4	26.3	28.2	29.7	29.1	29.1	25.9	22.9	19.6
1600	16.6	16.1	18.5	22.2	26.1	27.9	29.4	28.7	28.9	25.5	22.3	19.2
1700	15.9	15.5	18.0	21.8	25.7	27.6	28.9	28.2	28.2	25.0	21.6	18.3
1800	15.3	15.1	17.5	21.4	25.3	27.2	28.4	27.7	27.5	24.5	21.0	17.8
1900	15.0	14.8	17.2	21.1	25.0	26.9	29.0	27.3	27.3	24.2	20.7	17.4
2000	14.9	14.6	17.1	20.8	24.8	26.6	27.7	27.1	27.1	24.1	20.5	17.3
2100	14.8	14.6	17.0	20.7	24.7	26.5	27.7	27.0	26.9	24.0	20.4	17.1
2200	14.7	14.5	17.0	20.6	24.6	26.4	27.6	26.9	26.8	23.8	20.3	17.0
2300	14.6	14.5	16.8	20.5	24.5	26.4	27.5	26.8	26.7	23.7	20.3	16.9
2400	14.5	14.4	16.7	20.5	24.5	26.3	27.4	26.7	26.6	23.6	20.2	16.7
MEAN	15.0	14.8	17.3	21.1	25.1	26.9	28.2	27.5	27.4	24.2	20.8	17.4

HOURLY MEAN OF WET BULB TEMPERATURE AT CAPE COLLINSON 1968-1973

DEGREES CELSIUS

HOUR H.K.S.T.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0100	12.8	13.0	15.4	19.2	23.4	25.1	25.7	25.3	24.4	21.0	17.5	14.4
0200	12.7	12.9	15.3	19.1	23.4	25.0	25.7	25.2	24.4	20.8	17.4	14.2
0300	12.5	12.8	15.2	18.9	23.4	25.0	25.5	25.2	24.2	20.7	17.2	14.1
0400	12.3	12.7	15.1	18.9	23.3	24.9	25.5	25.1	24.1	20.6	17.0	13.9
0500	12.2	12.6	15.0	18.8	23.3	24.8	25.4	25.1	24.1	20.4	16.7	13.8
0600	12.1	12.5	14.9	18.7	23.3	24.8	25.5	25.0	24.0	20.3	16.5	13.7
0700	12.0	12.5	14.9	18.8	23.5	25.1	25.7	25.3	24.2	20.3	16.5	13.5
0800	12.0	12.5	15.1	19.1	23.7	25.3	25.0	25.6	24.6	20.6	16.8	13.7
0900	12.4	12.8	15.4	19.4	23.9	25.5	25.3	25.9	24.9	20.9	17.2	14.2
1000	12.9	13.2	15.7	19.7	24.2	25.7	25.3	26.1	25.2	21.2	17.5	14.6
1100	13.2	13.6	16.0	19.9	24.4	25.8	25.5	26.3	25.3	21.5	17.8	15.0
1200	13.5	13.8	16.2	20.0	24.4	25.9	26.7	26.4	25.4	21.6	18.0	15.2
1300	13.7	13.9	16.3	20.0	24.4	25.9	26.8	26.4	25.5	21.7	18.1	15.4
1400	13.8	14.0	16.3	20.0	24.4	25.9	26.7	26.3	25.5	21.8	18.3	15.5
1500	13.8	14.0	16.4	20.0	24.3	25.8	26.6	26.2	25.4	21.9	18.4	15.7
1600	13.8	13.9	16.3	19.9	24.2	25.8	25.5	26.1	25.3	21.7	18.2	15.5
1700	13.5	13.6	16.1	19.8	24.0	25.6	26.3	25.8	25.1	21.5	17.9	15.1
1800	13.2	13.4	15.9	19.7	23.9	25.4	26.1	25.6	24.8	21.4	17.7	14.9
1900	13.1	13.3	15.8	19.5	23.7	25.3	25.9	25.5	24.7	21.3	17.7	14.8
2000	13.1	13.2	15.8	19.4	23.7	25.3	25.8	25.4	24.6	21.3	17.7	14.8
2100	13.0	13.3	15.8	19.4	23.7	25.2	25.8	25.5	24.5	21.2	17.6	14.7
2200	12.9	13.3	15.7	19.3	23.6	25.2	25.9	25.3	24.5	21.2	17.6	14.7
2300	12.9	13.2	15.7	19.4	23.6	25.2	25.9	25.3	24.5	21.1	17.6	14.6
2400	12.8	13.1	15.6	19.3	23.6	25.2	25.8	25.3	24.4	21.0	17.5	14.4
MEAN	12.9	13.2	15.7	19.4	23.8	25.4	25.0	25.6	24.7	21.1	17.5	14.5

HOURLY MEAN OF DEW POINT AT CAPE COLLINGSBY 1968-1973

DEGREES CELSIUS

HOUR H.K.ST.G.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0100	11.0	11.9	14.5	18.4	23.0	24.6	25.0	24.7	23.4	19.4	15.5	12.1
0200	10.9	11.7	14.4	18.3	23.0	24.6	25.0	24.7	23.3	19.2	15.4	11.9
0300	10.8	11.5	14.2	18.2	22.9	24.5	25.0	24.6	23.2	19.1	15.1	11.7
0400	10.5	11.4	14.1	18.0	22.8	24.4	24.9	24.5	23.1	18.9	14.9	11.5
0500	10.4	11.3	13.9	18.0	22.8	24.4	24.8	24.5	23.1	18.8	14.6	11.4
0600	10.3	11.3	13.8	17.9	22.9	24.4	24.8	24.5	23.1	18.7	14.4	11.2
0700	10.2	11.2	13.8	18.0	23.0	24.6	25.0	24.7	23.3	18.7	14.3	11.1
0800	10.2	11.3	13.9	18.1	23.2	24.7	25.2	24.9	23.6	18.8	14.5	11.2
0900	10.4	11.4	14.0	18.3	23.3	24.7	25.3	25.1	23.7	19.0	14.7	11.5
1000	10.7	11.6	14.2	18.4	23.4	24.8	25.3	25.1	23.9	19.1	14.9	11.6
1100	10.8	11.7	14.3	18.5	23.5	24.9	25.4	25.2	23.8	19.2	14.9	11.7
1200	10.9	11.7	14.4	18.5	23.4	24.9	25.5	25.3	23.8	19.3	14.9	11.8
1300	11.0	11.8	14.4	18.5	23.5	24.9	25.5	25.3	23.8	19.3	14.9	12.0
1400	11.0	11.9	14.4	18.4	23.4	24.9	25.5	25.2	23.8	19.4	15.2	12.1
1500	11.2	12.0	14.5	18.5	23.4	24.9	25.3	25.1	23.8	19.5	15.3	12.3
1600	11.2	12.0	14.5	18.4	23.3	24.9	25.4	25.0	23.7	19.5	15.3	12.3
1700	11.1	12.0	14.5	18.5	23.3	24.8	25.2	24.9	23.7	19.5	15.3	12.2
1800	11.1	11.9	14.7	18.4	23.2	24.7	25.2	24.8	23.6	19.6	15.4	12.2
1900	11.2	11.9	14.7	18.4	23.1	24.7	25.1	24.7	23.5	19.6	15.4	12.3
2000	11.2	11.9	14.8	18.4	23.2	24.7	25.1	24.6	23.5	19.7	15.6	12.3
2100	11.2	12.0	14.8	18.4	23.2	24.7	25.1	24.6	23.4	19.7	15.5	12.3
2200	11.2	12.0	14.8	18.5	23.1	24.7	25.2	24.6	23.4	19.5	15.5	12.4
2300	11.2	12.0	14.8	18.5	23.1	24.6	25.2	24.7	23.4	19.5	15.6	12.4
2400	11.0	12.0	14.7	18.5	23.2	24.6	25.1	24.7	23.3	19.5	15.5	12.2
MEAN	10.9	11.7	14.4	18.3	23.2	24.7	25.2	24.8	23.5	19.3	15.1	11.9

HOURLY MEAN OF RELATIVE HUMIDITY AT CAPE COLLINSON 1959-1973

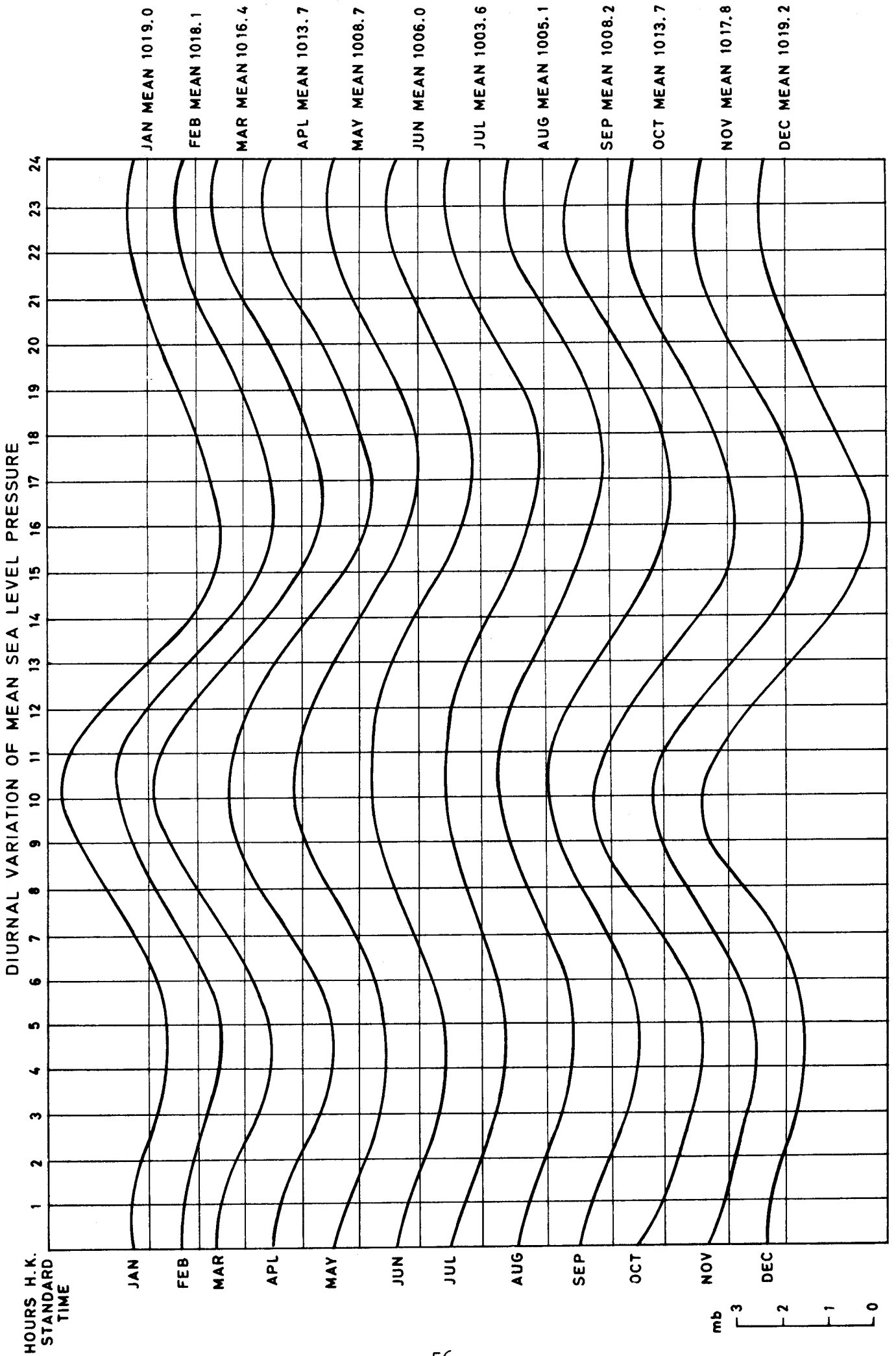
PER CENT

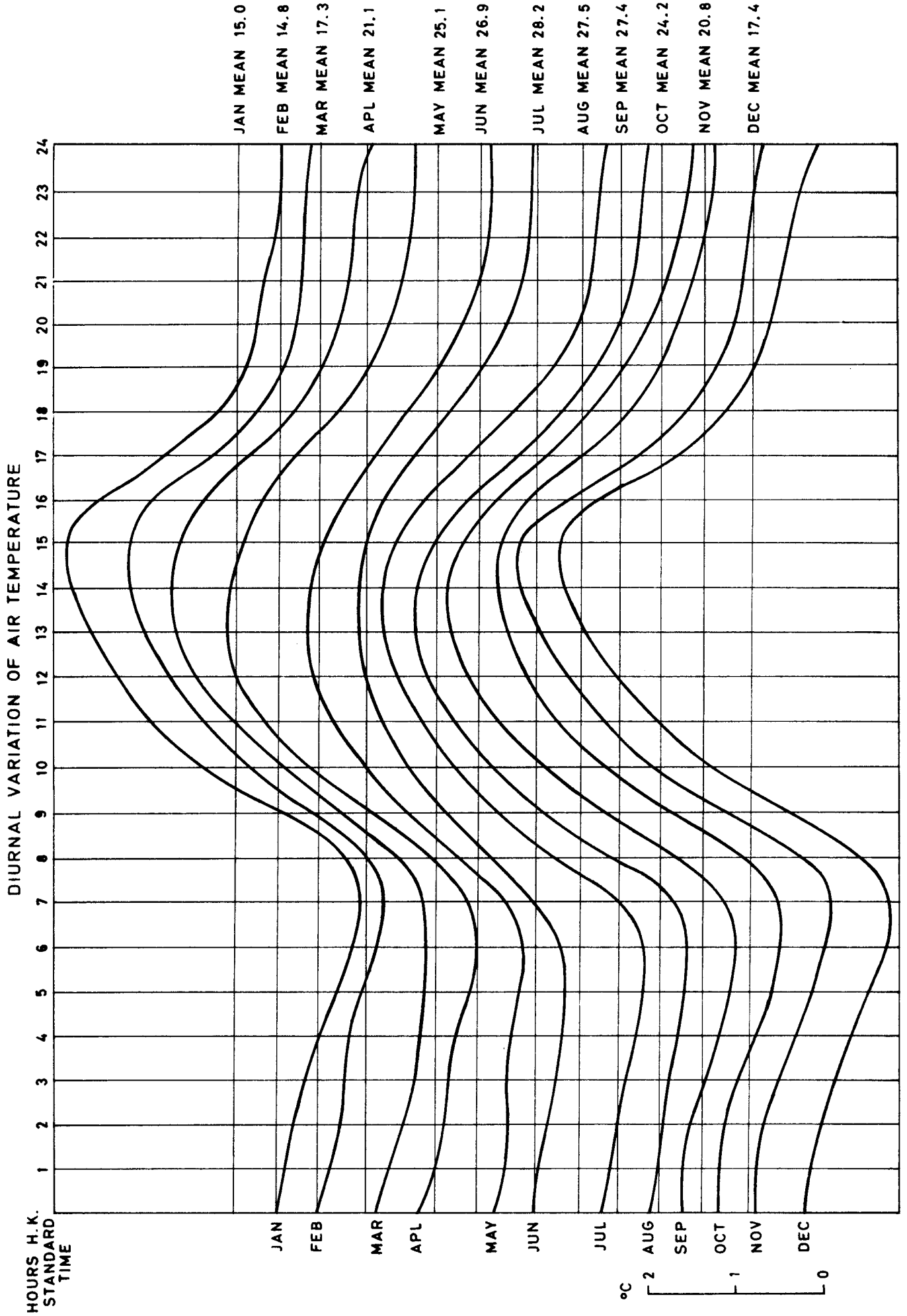
HOUR H.K.S.T.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0100	80.9	86.5	88.2	89.1	92.4	91.0	87.8	89.2	83.1	78.0	75.3	75.9
0200	81.0	86.2	88.2	89.3	92.6	91.2	87.9	89.4	83.4	77.8	75.1	75.8
0300	81.0	85.9	87.8	89.0	92.5	91.5	87.9	89.6	83.4	78.2	74.5	75.5
0400	80.5	85.9	87.8	88.7	92.5	91.5	89.0	89.6	83.6	78.0	74.3	75.3
0500	80.6	85.7	87.2	88.8	92.5	91.5	88.2	89.9	84.2	78.1	73.7	75.5
0600	80.5	85.9	86.9	88.8	92.7	91.5	89.5	90.2	84.5	78.3	73.1	75.4
0700	80.4	86.3	86.7	88.5	92.2	90.3	87.8	89.8	84.6	78.1	73.3	75.4
0800	80.1	85.5	85.8	87.2	90.4	88.5	85.3	87.7	83.0	76.8	72.7	74.7
0900	78.1	83.0	83.7	85.2	88.4	86.4	82.9	85.0	80.3	74.2	69.9	72.2
1000	75.4	80.8	81.4	82.8	86.7	84.8	81.1	82.6	78.1	71.9	57.6	58.9
1100	73.5	78.3	79.4	80.8	85.0	84.4	79.8	80.8	76.2	70.3	55.7	67.0
1200	72.0	77.0	78.1	79.2	84.2	83.4	79.7	80.0	74.7	69.1	64.2	65.5
1300	70.8	76.3	77.4	78.5	84.1	82.8	77.9	79.8	73.4	68.6	53.5	65.1
1400	70.4	76.1	77.0	78.5	84.2	82.7	77.7	79.6	73.1	68.5	63.2	64.7
1500	71.2	76.5	77.7	79.3	84.5	83.1	79.0	79.8	73.9	68.9	53.5	64.9
1600	72.3	78.0	79.5	80.1	85.4	84.0	79.3	81.2	74.9	70.5	55.6	55.5
1700	74.7	80.1	81.5	81.7	87.1	84.9	80.9	82.8	77.5	72.6	58.5	69.3
1800	77.4	81.9	83.5	83.8	88.2	85.5	82.9	84.4	79.2	74.5	71.1	72.0
1900	79.0	83.5	85.5	85.5	89.5	88.0	84.3	85.8	80.4	76.0	72.7	73.5
2000	79.5	84.4	85.5	85.5	90.7	89.2	85.5	86.3	81.2	77.0	74.2	74.4
2100	80.0	84.7	87.0	87.1	91.2	90.0	85.2	86.9	81.7	77.5	74.7	75.1
2200	80.5	85.0	87.5	87.7	91.5	90.1	85.7	87.4	82.3	77.8	75.1	75.9
2300	80.9	85.5	88.0	88.3	91.5	90.1	87.1	87.9	82.5	78.4	75.4	75.4
2400	80.8	85.9	88.2	88.9	92.3	90.8	87.2	88.4	82.7	78.8	75.3	75.3
MEAN	77.6	82.7	84.2	85.1	89.3	87.8	84.1	85.6	80.1	74.9	70.9	72.1

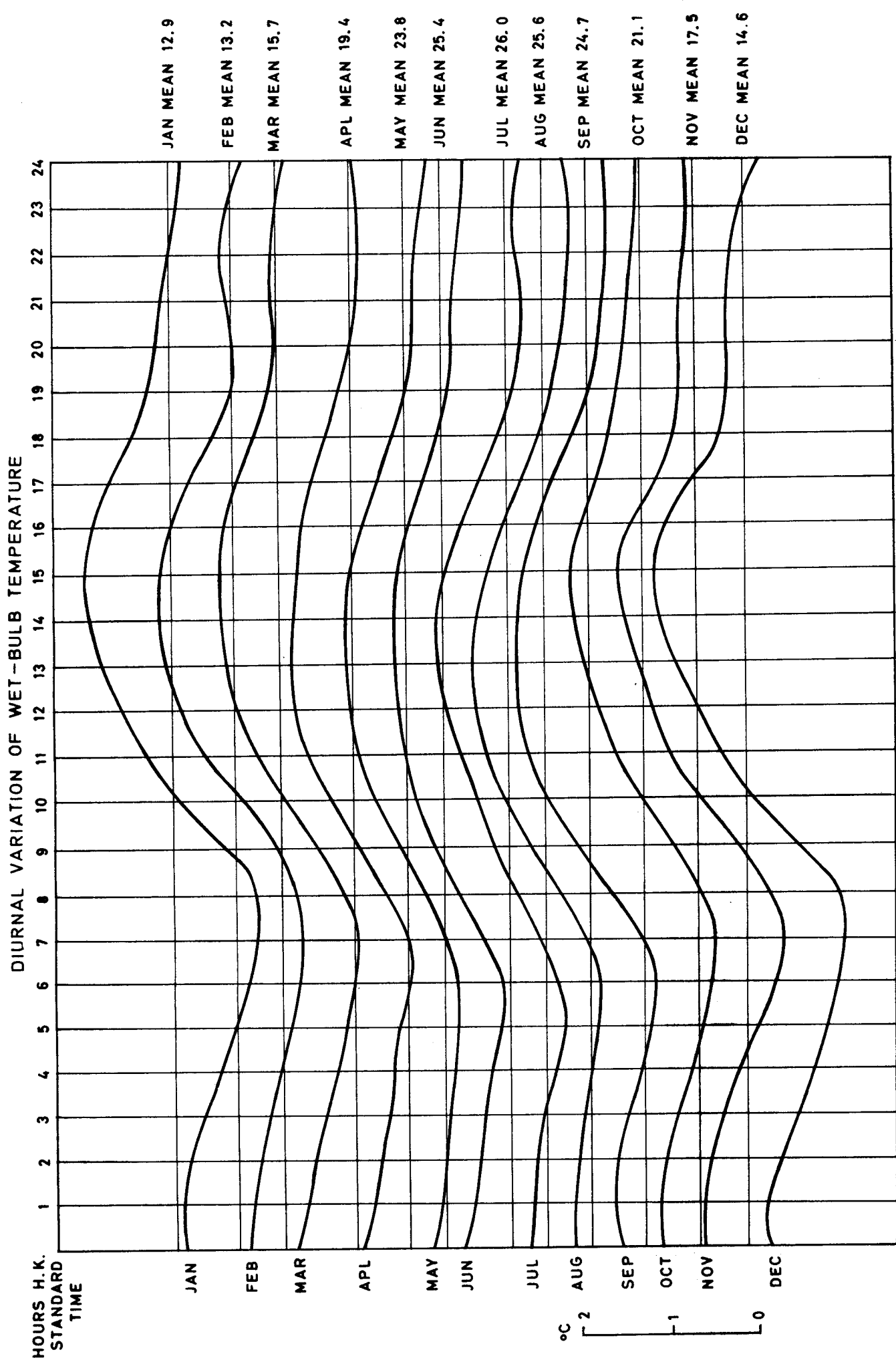
HOURLY MEAN OF CLOUD AMOUNT AT CAPE COLLINSON 1968-1973

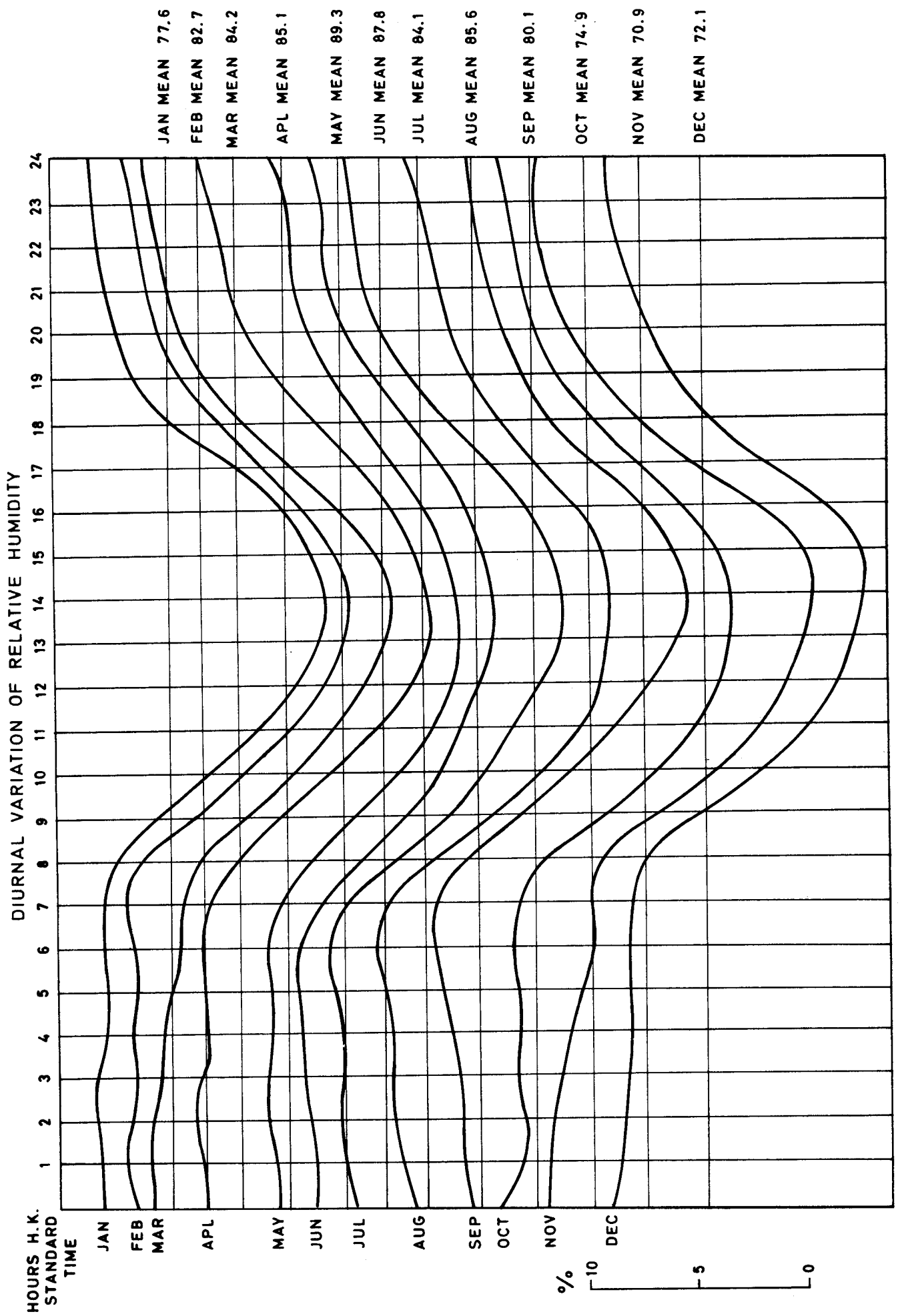
PER CENT

HOURLY H.K.ST.T.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0100	64.2	77.0	75.0	76.0	72.3	68.2	57.5	62.0	56.5	58.1	53.2	54.7
0200	64.9	77.9	76.5	77.4	74.0	58.5	57.9	62.3	57.8	59.1	53.5	55.8
0300	66.6	79.1	77.9	77.9	74.2	68.9	58.8	62.0	58.0	59.6	53.7	56.9
0400	66.4	79.7	77.6	77.2	75.9	68.6	58.7	62.2	57.4	59.4	52.8	55.9
0500	67.8	79.8	78.4	78.2	76.1	72.4	60.8	62.9	57.1	61.4	53.7	54.7
0600	68.1	79.9	80.5	81.1	79.5	77.7	65.7	67.1	63.1	63.7	56.3	54.6
0700	59.3	82.7	80.1	81.0	80.7	77.8	65.0	67.6	65.5	64.0	57.9	57.3
0800	67.6	81.1	79.6	82.4	81.0	78.3	65.9	68.1	64.9	63.9	57.9	55.3
0900	66.3	79.5	78.4	81.3	81.5	78.7	68.9	68.6	64.7	65.1	55.2	54.8
1000	54.7	78.7	76.9	79.0	80.7	77.7	69.9	68.7	64.4	62.2	52.3	53.4
1100	63.4	77.3	76.1	78.0	78.8	77.5	68.2	68.7	63.9	58.7	51.0	53.3
1200	62.2	76.9	74.3	77.1	77.5	76.2	68.4	68.5	62.5	56.7	50.3	52.3
1300	61.6	75.3	73.4	75.9	77.5	75.6	69.0	68.2	60.7	55.5	48.6	50.4
1400	59.2	74.5	71.3	76.0	78.6	75.2	67.3	67.5	61.8	54.5	47.9	49.6
1500	58.9	73.8	70.9	75.1	77.3	75.5	69.0	68.3	62.7	56.1	46.7	48.9
1600	59.0	73.9	71.7	74.0	77.8	75.6	67.4	67.9	62.9	54.8	48.3	48.3
1700	59.0	72.0	71.7	72.5	78.0	75.1	66.7	67.8	64.3	54.7	49.1	50.1
1800	50.6	73.1	72.8	73.1	78.9	74.8	68.0	68.6	65.4	55.8	51.5	52.7
1900	51.0	74.7	73.2	74.1	80.1	76.1	68.3	69.5	64.6	54.2	51.0	53.0
2000	50.9	73.3	71.8	72.5	77.6	75.7	65.9	65.9	60.1	53.4	51.5	53.8
2100	62.0	73.6	73.1	72.6	75.2	72.3	62.9	62.2	57.4	53.8	50.7	53.5
2200	51.1	74.1	73.8	72.1	74.5	70.7	60.5	62.2	55.7	53.7	52.4	53.5
2300	52.6	75.9	74.8	74.1	72.7	69.7	60.3	61.8	54.5	55.8	53.7	53.5
2400	53.9	77.9	75.1	73.5	71.9	67.0	59.4	61.9	54.0	56.5	53.8	54.4
MEAN	63.4	76.7	75.2	76.3	77.2	73.9	64.6	65.9	60.8	57.9	52.2	53.4









DIURNAL VARIATION OF CLOUD AMOUNT

