BRITISH EAST AFRICAN, METEOROLOGICAL SERVICE.

SUMMARY OF METEOROLOGICAL OBSERVATIONS

IN ZANZIBAR

FOR

1946.

QC
991
.A1
S86

LIBRARY
MAR 26 1948
WEATHER BUREAU

National Oceanic and Atmospheric Administration

Environmental Data Rescue Program

ERRATA NOTICE

One or more conditions of the original document may affect the quality of the image, such as:

Discolored pages
Faded or light ink
Binding intrudes into the text

This document has been imaged through the NOAA Environmental Data Rescue Program. To view the original document, please contact the NOAA Central Library in Silver Spring, MD at (301) 713-2607 x124 or www.reference@nodc.noaa.gov.

Information Manufacturing Corporation
Imaging Subcontractor
Rocket Center, West Virginia
September 14, 1999

CONTENTS.

Chukwani
Kizimbani
Mwera
Victoria Gardens
Wete, Pemba

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT CHUKWANI PALACE ZANZIBAR, 1946.

Lat.: 6° 15'S Long.: 39° 13'E Alt.: 69. Ft. Standard Time 2h 45m East. Reference Number 96.39/03.

Month	Atmospheric Pressure @ 8.30 (ins.)	Atmospheric Pressure @ 14.30 (ins.)	Temperature Dry Bulb 8.30 (F.)	Temperature Dry Bulb 14.30 (F.)	Temperature Dew Point 8.30 (F.)	Temperature Dew Point 14.30 (F.)	Vapour Pressure 8.30 (ins.)	Vapour Pressure 14.30 (ins.)	Saturation Deficit 8.30 (ins.)	Saturation Deficit 14.30 (ins.)	Relative Humidity 8.30 (%)	Relative Humidity 14.30 (%)	Total Cloud Amt. 8.30	Total Cloud Amt. 14.30	Number of Occasions at 8.30h of Cloud Amounts 0	1-3	4-6	7-9	10	Rainfall Total (ins.)	Max. Fall in 24 hrs (ins.)	Date	Rain	Number of Days of Thunder.
January	29.846	29.737	82.2	90.1	74.3	74.3	.856	.856	.254	.573	77	60	6.5	5.5	0	2	13	16	0	5.6	0.23	0.19	12	3	4
February	29.825	29.707	81.2	92.2	73.4	74.8	.830	.871	.242	.650	77	57	7.1	5.1	0	0	8	19	1	2.3	0.09	0.09	27	1	2
March	29.816	29.701	82.8	91.9	75.2	77.0	.880	.926	.251	.576	78	62	6.5	5.4	0	1	13	16	1	30.7	1.24	0.65	1	7	6
April	29.855	29.75[illegible]	80.7	86.5	77.0	77.4	.933	.948	.127	.326	88	74	6.8	6.2	0	1	11	15	3	233.7	9.20	2.22	9	19	14
May	29.929	29.837	78.2	82.7	74.8	74.3	.868	.856	.107	.275	89	76	6.6	5.9	0	3	12	11	5	372.6	14.67	3.24	5	12	0
June	30.002	29.914	76.7	82.9	72.0	71.9	.788	.774	.136	.363	85	68	5.9	4.9	0	4	13	12	1	0.3	0.01	0.01	26	1	0
July	30.002	29.923	74.9	82.1	70.5	69.8	.753	.735	.118	.369	86	67	6.0	5.2	0	1	16	10	2	5.8	0.03	0.13	26	5	0
August	30.005	29.911	76.0	82.6	71.4	69.8	.774	.732	.130	.399	86	65	5.9	5.3	0	3	14	14	0	30.7	1.21	0.64	14	9	0
September	29.985	29.884	76.3	82.6	72.0	71.1	.791	.768	.122	.363	87	66	6.5	5.9	0	0	10	18	2	54.5	3.72	1.35	22	21	1
October	29.917	29.804	78.7	85.1	74.1	73.8	.850	.839	.135	.378	86	63	6.7	5.0	0	0	16	14	1	107.9	4.25	2.32	26	13	2
November	29.846	29.734	81.7	86.2	76.1	77.2	.907	.942	.183	.319	83	75	6.0	5.6	0	1	22	6	1	175.3	6.90	3.15	12	11	7
December	29.810	29.710	82.7	87.4	77.2	76.5	.942	.921	.189	.390	83	70	6.2	5.3	0	0	21	10	0	97.0	3.62	1.86	8	18	9
Year	29.903	29.801	79.3	86.1	74.0	73.9	.848	.848	.166	.415	84	68	6.4	5.4	0	16	171	161	17	1156.6	45.54	3.24	May 5	120	45

@ At Station level: corrected for Temperature and to Standard Gravity.

Month	Frequency of Wind Direction at 8.30h N	NE	E	SE	S	SW	W	NW	Calm	Frequency of Wind Force at 8.30h 1-3	4-7	7	Mean Wind Velocity 8.30h (m.p.h.)	14.30h (m.p.h.)	Extremes of Temperature of the Air Max. (F.)	Date	Min. (F.)	Date	Mean Max. (F.)	Mean Min. (F.)	Max Min. (F.)	Ranges Max. (F.)	Min. (F.)	Mean (F.)	Frequency of Visibility at 8.30 Fog	Mist	Good Vis.
January	2	9	6	0	0	7	0	7	0	31	0	0	5.8	9.6	96.9	10	72.7	24	92.2	75.1	83.7	22.9	11.2	17.1	0	0	31
February	15	9	2	0	0	0	0	2	0	28	0	0	6.3	10.3	98.7	20,22	73.1	8	94.4	75.[illegible]	84.7	25.4	14.1	19.3	0	0	28
March	8	14	3	0	3	1	0	0	0	3	0	0	5.6	9.4	101.7	20	73.2	2	95.4	76.4	85.9	25.1	11.7	19.0	0	0	31
April	1	0	2	0	3	24	3	0	0	24	6	0	9.2	9.7	97.8	7	73.0	10	88.6	77.3	82.9	20.8	5.6	13.3	0	0	30
May	0	1	1	1	5	23	0	0	0	22	9	0	10.7	11.9	87.0	24,25	71.5	20	83.9	75.5	79.7	12.2	2.3	8.5	0	2	29
June	0	0	0	0	2	27	1	0	0	6	24	0	15.0	13.6	88.0	2	70.3	11	84.[illegible]	74.7	79.4	12.6	4.[illegible]	9.4	0	0	30
July	0	0	0	0	2	28	1	0	0	15	16	0	13.2	13.9	86.0	31	70.9	25	83.3	73.2	78.3	14.4	5.2	10.1	0	0	31
August	0	0	0	0	8	22	0	1	0	25	6	0	10.5	14.8	86.5	30	69.0	25	83.7	73.0	78.3	16.5	7.8	10.7	0	0	31
September	0	0	0	10	5	14	1	0	0	25	5	0	9.6	14.8	87.5	3	70.0	8	84.4	71.7	78.1	15.2	3.0	12.2	0	0	30
October	0	0	6	6	4	7	7	1	0	26	3	0	7.2	10.5	96.7	24	69.9	15	87.1	72.3	79.7	24.5	8.8	14.7	0	0	31
November	3	6	7	3	1	2	7	1	0	30	0	0	4.7	6.3	92.1	24	71.1	8	88.4	74.2	81.3	19.1	8.7	14.1	0	0	30
December	16	6	1	0	0	5	3	0	0	30	1	0	7.6	8.3	92.9	18	74.3	9	89.4	76.1	82.7	16.7	5.0	13.3	0	0	31
Year	45	45	26	21	33	160	20	13	0	295	70	0	8.8	11.0	101.7	Mar. 20	69.0	Aug. 25	87.9	74.5	81.2	25.4	2.3	13.4	0	2	363

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT KIZIMBANI, ZANZIBAR, 1946.

Lat.: 6° 05'S Long.: 39° 16'E Alt.: 220 feet Standard Time 2h 45m East Reference Number 96.39/.1

Month	Atmospheric Pressure @		Temperature				Vapour Pressure		Saturation Deficit		Relative Humidity		Total Cloud Amt.		Number of Occasions at 8.30h of Cloud Amounts					Rainfall				Number of Days of	
	h	h	Dry Bulb		Dew Point		h	h	h	h	h	h	h	h	0	1-3	4-6	7-9	10	Total		Max 24 hrs.		Thunder.	
	8.30	14.30	8.30	14.30	8.30	14.30	8.30	14.30	8.30	14.30	8.30	14.30	8.30	14.30						ms.	ins.	in 24hrs.	Date	Rain	
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%										ins.			
January			81.[illegible]		73.2		0.824		0.248		76		5.3		0	8		12	0	13.6	0.14	0.06	2	3	
February			81.2		72.1		0.794		0.278		73		3.9		0	14	10	4	0	3.0	0.12	0.12	27	1	
March			83.3		73.6		0.856		0.315		72		3.9		0	16	12	3	0	56.1	2.21	0.87	1	5	
April			80.8		75.2		0.880		0.180		85		5.2		0	6	17	7	0	264.2	10.40	2.28	11	18	
May			79.4		73.0		0.82		0.189		81		4.6		0	10	14	7	0	280.2	11.03	3.50	16	13	
June			76.5		71.		0.758		0.151		85		4.2		0	12	14	4	0	22.9	0.90	0.49	26	5	
July			74.9		70.5		0.753		0.118		85		3.6		0	17	11	1	2	41.4	1.63	0.63	19	10	
August			75.0		70.7		0.756		0.121		86		6.7		0	4	11	11	5	110.2	4.34	0.85	11	16	
September			76.6		71.4		0.774		0.151		83		6.4		0	1	15	14	0	117.6	4.63	1.24	20	22	
October			79.5		73.6		0.855		0.185		82		5.1		0	7	15	8	1	193.8	7.63	3.00	27	11	
November			80.2		73.9		0.849		0.227		78		5.6		0	2	22	5	0	164.2	6.46	3.29	12	13	
December			81.4		75.2		0.889		0.198		81		5.6		0	2	20	9	0	188.2	7.41	2.84	9	14	
Year			79.2		72.8		0.814		0.196		80		5.1		0	99	172	85	9	1445.3	56.90	3.50	May 16	131	

@ At station level: corrected for temperature and to standard gravity.

Month	Frequency of Wind Direction at 8.30h									Frequency of Wind Force at 8.30h			Mean Wind Velocity		Extremes of Temperature of the Air.													Frequency of Visibility at 8.30	
	N	NE	E	SE	S	SW	W	NW	Calm	1-3	4-7	>7	h 8.30	h 14.30	Max	Date	Min.	Date	Mean Max.	Mean Min.	Mean Max.	Range Max.	Range Min.	Range Mean	Fog	Mist	Good Vis.
													m.p.h.	m.p.h.	F.		F.		F.	F.	F.	F.	F.	F.			
January	16	5	0	0	0	0	0	8	2	29	0	0			90.0	6	65.0	30	87.1	72.2	79.8	23.0	10.5	15.2			
February	15	0	0	0	0	0	0	7	6	22	0	0			94.8	27	70.0	3	88.1	72.6	80.3	21.3	7.8	15.5			
March	11	5	0	1	2	1	0	7	4	27	0	0			92.8	22	71.2	18	90.1	73.5	81.9	20.8	11.1	16.5			
April	0	0	0	5	13	7	0	1	4	26	0	0			90.7	7	71.5	10	86.2	73.9	80.1	17.1	7.8	12.3			
May	2	1	0	11	10	5	0	0	2	29	0	0			89.0	27	69.8	17	84.4	72.3	78.3	16.6	5.4	12.2			
June	2	0	0	6	11	10	0	0	1	29	0	0			86.8	3	68.8	29	82.9	71.0	76.9	16.7	9.8	12.8			
July	0	0	0	3	25	2	0	0	1	30	0	0			83.5	18,19	68.0	4	81.5	72.9	77.4	14.5	5.8	9.0			
August	0	0	0	3	19	3	0	0	6	25	0	0			85.0	30	68.3	5	81.7	72.7	77.2	14.0	5.9	8.9			
September	1	1	2	5	17	0	0	0	4	26	0	0			85.0	17	65.0	9	81.8	69.5	75.7	16.5	6.0	12.5			
October	1	6	1	14	4	0	0	0	5	26	0	0			86.0	6	66.0	8,10	83.4	70.5	76.9	19.0	4.9	13.3			
November	7	0	3	2	1	0	0	0	17	13	0	0			88.1	23	67.0	2	85.8	71.3	78.5	20.0	8.5	16.7			
December	24	0	0	1	0	0	1	0	5	26	0	0			89.0	5,11,19	70.8	13	86.4	73.9	80.1	18.2	9.8	12.7			
Year	79	18	6	50	103	28	0	24	57	308	0	0			94.8	Feb. 27	65.0	Jan 30 Sept 9	85.1	72.2	78.6	18.1	7.6	12.9			

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT MBERA, ZANZIBAR, 1946.

Lat.: 6° 09'S Long.: 39° 16'E Alt.: 80 feet Standard Time 2h 45m East Reference Number 96.39/21.

Month	Atmospheric Pressure @		Temperature				Vapour Pressure		Saturation Deficit		Relative Humidity		Total Cloud Amt.		Number of occasions at 8.30h of Cloud Amounts					Rainfall					Number of Days of	
	h	h	Dry Bulb		Dew Point		h	h	h	h	h	h	h	h						Total		Max.Fall				Thun-
	8.30	14.30	8.30	14.30	8.30	14.30	8.30	14.30	8.30	14.30	8.30	14.30	8.30	14.30	0	1-3	4-6	7-9	10	mm.	ins.	in 24hrs ins.	Date	Rain	der.
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%													
January	-	-	83.4	-	72.3	-	0.797	-	0.357	-	68	-	5.4	-	0	9	10	12	0	0.5	0.02	0.02	17	1	-
February	-	-	82.1	-	75.4	-	0.886	-	0.219	-	80	-	4.3	-	0	10	15	3	0	3.8	0.15	0.15	27	1	-
March	-	-	80.4	-	75.4	-	0.883	-	0.165	-	84	-	4.3	-	0	9	19	3	0	70.6	2.78	1.51	29	5	-
April	-	-	81.3	-	76.3	-	0.910	-	0.168	-	85	-	2.0	-	0	27	2	1	0	466.6	18.37	3.20	11	23	-
May	-	-	79.5	-	74.1	-	0.848	-	0.168	-	83	-	2.0	-	0	30	1	0	0	327.4	12.89	4.00	18	13	-
June	-	-	83.2	-	76.3	-	0.913	-	0.290	-	79	-	2.9	-	0	16	14	0	0	109.2	4.30	4.00	26	2	-
July	-	-	78.1	-	74.1	-	0.850	-	0.118	-	87	-	7.3	-	0	0	8	23	0	29.7	1.17	0.23	25	13	-
August	-	-	78.0	-	71.2	-	0.771	-	0.198	-	80	-	6.6	-	0	2	9	20	0	64.8	2.55	0.68	14	12	-
September	-	-	78.7	-	70.5	-	0.753	-	0.233	-	76	-	7.2	-	0	0	7	23	0	108.2	4.26	0.72	17	16	-
October	-	-	79.8	-	71.8	-	0.786	-	0.242	-	77	-	7.2	-	0	0	7	24	0	233.5	9.19	2.30	26	13	-
November	-	-	80.0	-	70.5	-	0.750	-	0.284	-	72	-	6.7	-	0	0	11	19	0	201.2	7.92	2.02	26	11	-
December	-	-	79.6	-	69.4	-	0.726	-	0.289	-	71	-	6.4	-	0	0	15	16	0	197.4	7.77	2.76	9	12	-
Year	-	-	80.3	-	73.1	-	0.823	-	0.223	-	79	-	5.2	-	0	103	118	144	0	1812.9	71.37	4.00	(1)	122	-

@ At station level: corrected for temperature and to standard gravity. (1) Several dates:- 18th May and 26th June, 1946.

Month	Frequency of Wind Direction at 8.30h.									Frequency of Wind Force at 8.30h				Mean Wind Velocity			Extremes of Temperature of the Air.										Frequency of Visibility at 8.30		
	N	NE	E	SE	S	SW	W	NW	Calm	1-3	4-7	>7	h 8.30	h 14.30	Max.	Date	Min.	Date	Mean Max.	Mean Min.	½ Max - Min	Range Max.	Range Min.	Range Mean	Fog	Mist	Good Vis.
													m.p.h.	m.p.h.	F.		F.		F.	F.	F.	F.	F.	F.			
January	-	-	-	-	-	-	-	-	0	27	4	0	-	-	92.0	9,13,14	-	-	89.9	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-	0	19	9	0	-	-	96.0	27	-	-	86.3	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-	0	31	0	0	-	-	96.0	29	75.0	20,30,31	89.3	77.2	83.3	19.0	6.0	11.7	-	-	-
April	-	-	-	-	-	-	-	-	0	29	1	0	-	-	93.0	17,23	70.0	6	88.7	77.1	82.9	17.8	6.0	11.3	-	-	-
May	-	-	-	-	-	-	-	-	0	31	0	0	-	-	91.0	30	-	-	83.3	-	-	-	-	-	-	-	-
June	-	-	-	-	-	-	-	-	0	30	0	0	-	-	91.2	1	-	-	83.2	-	-	-	-	-	-	-	-
July	-	-	-	-	-	-	-	-	0	21	10	0	-	-	85.0	19	67.0	28,29	82.2	74.8	78.5	16.0	3.0	7.1	-	-	-
August	-	-	-	-	-	-	-	-	0	29	2	0	-	-	88.0	27	66.0	5,12,21	83.2	69.8	76.5	17.0	6.0	13.2	-	-	-
September	-	-	-	-	-	-	-	-	0	27	3	0	-	-	90.0	2	-	-	83.5	-	-	-	-	-	-	-	-
October	-	-	-	-	-	-	-	-	0	30	1	0	-	-	89.0	2	-	-	84.3	-	-	-	-	-	-	-	-
November	-	-	-	-	-	-	-	-	0	23	7	0	-	-	90.0	6	-	-	85.7	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-	0	18	13	0	-	-	89.0	12	-	-	85.3	-	-	-	-	-	-	-	-
Year	-	-	-	-	-	-	-	-	0	315	50	0	-	-	96.0	Feb27 Mar29	-	-	85.4	-	-	-	-	-	-	-	-

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT VICTORIA GARDENS ZANZIBAR, 1946.

Lat.: 6° 10'S Long.: 39° 11'E Alt.: 18ft. Standard Time 2h 45m East Reference Number 96.39/12.

Month	Atmospheric Pressure @ h 8.30	h 14.30	Temperature Dry Bulb h 8.30	h 14.30	Dew Point h 8.30	h 14.30	Vapour Pressure h 8.30	h 14.30	Saturation Deficit h 8.30	h 14.30	Relative Humidity h 8.30	h 14.30	Total Cloud Amt. h 8.30	h 14.30	Number of Occasions at 8.30h of Cloud Amounts 0	1-3	4-6	7-9	10	Rainfall Total mm.	ins.	Max. Fall in 24 hrs ins.	Date	Rain	Number of Days of Thun der.
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%													
January	-	-	81.4	88.4	74.7	73.2	.865	.827	.213	.523	80	61	6.5	4.2	0	6	6	16	3	4.1	0.16	0.05	2	5	0
February	-	-	81.1	89.3	73.8	72.3	.839	.800	.233	.588	78	58	6.1	2.9	0	6	9	10	3	5.6	0.22	0.20	27	2	0
March	-	-	83.4	89.7	75.4	74.5	.886	.859	.269	.553	77	61	6.0	4.0	0	10	5	13	3	19.3	0.76	0.26	27	3	0
April	-	-	81.5	86.2	76.8	76.8	.930	.927	.154	.334	86	74	7.5	6.7	0	2	6	18	4	258.3	10.17	2.90	13	19	0
May	-	-	79.3	83.1	74.3	74.5	.856	.859	.154	.284	85	75	6.7	5.7	0	7	2	17	5	322.3	12.69	3.85	18	13	0
June	-	-	77.3	84.2	72.3	70.7	.800	.759	.148	.425	84	64	6.0	4.6	0	7	5	16	2	1.3	0.05	0.05	26	1	0
July	-	-	75.6	83.1	71.1	70.0	.765	.738	.127	.405	86	65	5.9	5.1	0	11	3	17	0	15.2	0.60	0.30	29	6	0
August	-	-	76.1	83.8	71.6	69.8	.760	.735	.127	.439	86	63	7.4	6.2	0	1	5	24	1	42.4	1.67	0.58	14	14	0
September	-	-	77.1	83.0	72.1	71.1	.794	.768	.148	.369	84	68	7.1	5.9	0	5	7	12	6	143.3	5.64	0.97	17	20	0
October	-	-	78.6	83.1	73.0	72.9	.821	.815	.165	.328	83	71	6.6	5.2	0	6	8	13	4	211.6	8.33	2.89	23	14	0
November	-	-	82.0	84.7	75.7	75.2	.895	.880	.269	.325	81	74	5.3	5.1	0	10	8	11	1	222.2	8.75	2.82	12	14	0
December	-	-	83.1	87.7	76.3	74.7	.913	.865	.230	.455	80	65	6.1	4.2	0	7	7	17	0	84.1	3.31	0.98	9	12	0
Year	-	-	79.7	85.5	73.9	73.0	.845	.819	.181	.419	83	67	6.4	5.0	0	76	71	184	32	1329.7	52.35	3.85	May 18	126	0

@ At Station level: corrected for Temperature and to Standard Gravity.

Month	Frequency of Wind Direction at 8.30h N	NE	E	SE	S	SW	W	NW	Calm	Frequency of Wind Force at 8.30h 1-3	4-7	>7	Mean Wind Velocity h 8.30	h 14.30	Extremes of Temperature of the Air Max.	Date	Min.	Date	Mean Max.	Mean Min.	Range ½ Max + Min	Max.	Min.	Mean	Frequency of Visibility at 8.30 Fog	Mist	Good Vis.
													m.p.h.	m.p.h.	F.		F.		F.	F.	F.	F.	F.				
January	-	-	-	-	-	-	-	-	5	26	0	0	4.5	8.7	92.5	5	74.0	26	90.0	76.4	83.2	16.3	9.6	13.6	0	0	31
February	-	-	-	-	-	-	-	-	4	24	0	0	4.7	9.4	93.4	21	73.8	18	90.9	76.1	83.5	18.0	12.0	14.7	0	0	28
March	-	-	-	-	-	-	-	-	13	21	0	0	3.6	7.8	100.0	27	74.2	2	92.1	76.7	84.4	24.0	9.3	15.4	0	0	31
April	-	-	-	-	-	-	-	-	13	7	0	0	2.2	3.	93.0	2,6	73.4	10	88.	76.8	82.5	17.0	6.3	11.4	0	0	30
May	-	-	-	-	-	-	-	-	9	11	1	0	2.2	3.4	88.8	10	71.6	20	85.	74.9	80.0	14.9	2.4	10.2	0	1	30
June	-	-	-	-	-	-	-	-	9	20	1	0	4.5	7.4	87.0	4,5,6	72.0	3	85.2	74.7	79.9	14.0	6.0	10.5	0	0	30
July	-	-	-	-	-	-	-	-	9	21	1	0	4.3	6.9	85.7	4,19	69.5	17	84.2	72.1	78.1	15.5	7.8	12.2	0	0	31
August	-	-	-	-	-	-	-	-	16	13	0	0	1.6	6.0	87.6	30	68.5	25	85.	72.0	78.5	18.6	8.6	13.1	0	0	31
September	-	-	-	-	-	-	-	-	16	14	0	0	2.7	5.	89.0	14	68.4	10	84.8	70.8	77.6	20.0	3.2	14.0	0	0	30
October	-	-	-	-	-	-	-	-	18	13	0	0	1.8	4.9	89.2	21	68.3	15	85.2	71.2	78.2	17.9	5.4	13.9	0	0	31
November	-	-	-	-	-	-	-	-	16	14	0	0	2.7	4.0	91.0	22,23	70.4	2,8	87.1	73.6	80.3	17.6	10.2	13.5	0	0	30
December	-	-	-	-	-	-	-	-	8	23	0.	0	4.7	7.4	91.7	6	73.0	11	89.2	76.4	82.8	18.0	6.5	12.8	0	0	31
Year	-	-	-	-	-	-	-	-	145	217	3	0	3.3	6.2	100.0	Mar. 27	68.3	Oct. 15	87.3	74.3	80.8	24.0	2.4	12.9	0	1	364

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT WETE, PEMBA 1946.

Lat.: 5° 04'S Long.: 39° 45'E Alt.: 60 feet Standard Time 2h 45m East. Reference Number 95.39/01

Month	Atmospheric Pressure @ h 8.30 ins.	h 14.30 ins.	Temperature Dry Bulb 8.30 F.	14.30 F.	Dew Point 8.30 F.	14.30 F.	Vapour Pressure h 8.30 ins.	h 14.30 ins.	Saturation Deficit h 8.30 ins.	h 14.30 ins.	Relative Humidity h 8.30 %	h 14.30 %	Total Cloud Amt. h 8.30	h 14.30	Number of Occasions at 8.30h of Cloud Amounts 0	1-3	4-6	7-9	10	Rainfall Total mm.	Max. Fall in 24hrs ins.	Date	Rain	Number of Days of Thunder.
January	-	-	81.9	-	72.7	-	.809	-	.290	-	74	-	8.2	-	0	0	3	25	3	9.9	0.39	11	3	0
February	-	-	81.5	-	72.4	-	.794	-	.284	-	74	-	8.5	-	0	0	3	21	4	.5	0.06	0.03	27	3	0
March	-	-	80.1	-	73.2	-	.827	-	.348	-	70	-	7.5	-	0	3	4	21	3	27.9	.50	0.56	29	4	2
April	-	-	82.6	-	75.9	-	.904	-	.218	-	81	-	7.2	-	0	1	10	18	-	399.5	15.73	2.20	11	22	0
May	-	-	79.9	-	73.6	-	.836	-	.92	-	84	-	6.9	-	0	0	15	9	7	590.0	23.25	7.68	16	18	0
June	-	-	78.7	-	72.3	-	.800	-	.186	-	81	-	7.0	-	0	2	8	16	4	55.4	2.18	0.95	27	15	0
July	-	-	77.2	-	71.4	-	.774	-	.168	-	82	-	6.6	-	0	5	8	15	3	29.7	.17	0.25	21	15	0
August	-	-	77.6	-	7 .2	-	.771	-	.183	-	81	-	6.3	-	0	3	13	12	3	54.1	2.3	0.4	6	14	0
September	-	-	78.7	-	7 .6	-	.780	-	.206	-	79	-	6.6	-	0	3	11	11	5	126.0	6.95	3.58	22	14	0
October	-	-	80.1	-	72.7	-	.812	-	.222	-	79	-	7.1	-	0	0	9	18	4	142.2	5.60	2.35	27	13	0
November	-	-	83.2	-	75.2	-	.883	-	.260	-	77	-	5.3	-	0	5	14	11	0	205.2	8.08	.32	26	18	0
December	-	-	83.4	-	76.1	-	.910	-	.245	-	79	-	6.5	-	0	1	15	13	2	52.6	2.07	0.61	5	10	0
Year	-	-	80.7	-	73.2	-	.823	-	.233	-	78	-	7.0	-	0	23	113	190	39	1744.0	68.67	7.68	May 16	149	2

@ At station levels corrected for Temperature and to standard gravity.

Month	Frequency of Wind Direction at 8.30h N	NE	E	SE	S	SW	W	NW	Calms	Frequency of Wind Force at 8.30h 1-3	4-7	≥7	Mean Wind Velocity h 8.30 m.p.h.	h 14.30 m.p.h.	Extremes of Temperature of the Air: Max. F.	Date	Min. F.	Date	Mean Max. F.	Mean Min. F.	Range Max. F.	Range Min. F.	Range Mean F.	Frequency of Visibility at 8.30 Fog	Mist	Good Vis.
January	28	0	1	0	0	2	2	0	0	29	2	0	7.4	-	89.0	often	69.5	28	87.0	74.6	80.8	7.3	7.3	12.4	0	5	26
February	20	2	0	0	1	0	1	2	1	23	4	0	8.9	-	90.7	27	70.9	10	88.0	74.0	81.0	19.5	7.0	14.1	0	8	20
March	14	5	6	0	1	0	3	2	0	18	13	0	10.5	-	92.8	26	72.3	2	89.8	75.1	82.5	19.8	7.5	14.7	0	5	26
April	0	1	4	0	8	1	1	0	5	22	3	0	5.1	-	92.0	6	73.5	24	87.3	75.4	81.3	17.0	7.0	11.9	0	5	25
May	1	0	1	17	7	2	0	0	3	28	0	0	4.5	-	88.0	9,12	69.5	19	83.8	73.2	78.5	15.1	3.0	7	0	8	23
June	0	0	1	18	11	0	0	0	0	28	2	0	5.1	-	85.2	6	68.2	29	82.4	72.4	77.4	14.0	5.0	10.0	0	13	17
July	0	0	0	12	10	2	0	0	7	24	0	0	3.4	-	84.0	20,28	67.9	2	81.8	70.8	76.3	14.5	4.0	11.1	0	11	20
August	0	0	0	17	7	0	0	0	7	24	0	0	2.7	-	84.0	often	67.0	1	82.4	69.9	76.1	15.4	8.0	12.5	0	10	21
September	0	0	0	12	7	2	0	0	9	21	0	0	2.9	-	85.7	17	67.0	1	83.5	69.4	76.5	17.2	9.0	14.1	0	8	22
October	1	0	4	14	2	0	0	0	10	21	0	0	2.0	-	86.2	17	67.5	15	84.4	70.4	77.4	16.8	5.2	13.9	0	5	26
November	0	15	6	6	1	0	0	0	2	28	0	0	2.7	-	90.0	4	69.7	2	87.0	73.2	80.1	18.7	8.5	13.8	0	1	29
December	5	17	4	2	0	1	0	0	2	27	2	0	4.3	-	88.7	2,26	73.8	1	87.3	75.5	81.4	13.5	9.0	11.8	0	3	28
Year	69	40	28	108	55	8	7	4	46	293	26	0	5.0	-	92.8	March 26	67.0	Aug. 1 Sept. 1	85.4	72.8	79.1	19.8	5.3	12.6	0	82	283