EAST AFRICAN METEOROLOGICAL DEPARTMENT

SUMMARY OF METEOROLOGICAL OBSERVATIONS

FOR

1954.

PART IV - ZANZIBAR.

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Kisauni, Zanzibar
Wete, Pemba

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT KISAUNI, ZANZIBAR IN 1954.

Latitude 6° 13'S Longitude 39° 13'E Altitude 60 feet. Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature												Relative Humidity		Rainfall		
			Dry Bulb		Dew Point		Extremes of Temperature												
	0830	1430	0830	1430	0830	1430	Max.	Date	Min.	Date	Mean Max.	Mean Min.	Max. + Min. / 2	Mean Range	0830	1430	Total	Max. Fall in 24 hrs.	Date
	mb.	mb.	°F	°F	°F	°F	°F		°F		°F	°F	°F	°F	%	%	ins.	ins.	
January	1009.2	1005.9	80.1	87.3	73.5	71.4	92.6	19	69.5	31	89.4	73.7	81.5	15.7	80	59	0.94	0.30	8
February	1009.4	1006.2	81.5	87.7	74.1	72.1	94.1	10	68.2	1	90.4	72.9	81.7	17.5	79	60	3.42	2.41	15
March	1010.0	1007.0	80.6	86.7	74.7	72.6	92.5	26	70.1	17	89.5	73.5	81.5	16.0	82	63	2.41	0.68	31
April	1010.8	1008.1	79.0	84.3	74.1	73.9	90.6	2	72.0	12,30	86.4	75.2	80.8	11.2	85	69	11.41	3.29	29
May	1011.7	1009.1	77.5	83.1	73.3	71.8	89.0	1	69.8	20	84.7	73.3	79.0	11.4	87	69	10.90	2.59	22
June	1014.8	1012.1	75.3	82.4	69.1	68.0	86.0	2	66.6	20	83.6	72.1	77.9	11.5	81	62	0.23	0.18	24
July	1014.6	1012.1	74.2	81.7	68.6	66.2	87.5	21	62.7	27	83.1	68.6	75.9	14.5	83	60	0.98	0.61	2
August	1015.3	1012.8	74.7	82.3	68.7	66.5	86.0	4	63.0	30	84.0	69.0	76.5	15.0	82	59	2.03	0.96	24
September	1014.9	1011.6	76.4	84.4	70.0	67.4	90.0	10	64.8	24	86.2	67.3	76.7	18.9	81	57	1.35	0.26	22
October	1013.2	1009.8	78.5	83.2	70.5	69.2	90.0	21	64.0	24	85.2	67.2	76.2	18.0	76	63	5.98	2.18	23
November	1012.1	1008.9	81.2	83.5	73.3	73.0	88.8	6	65.0	3	86.2	70.2	78.2	16.0	77	71	6.10	1.34	12
December	1009.5	1006.2	81.8	85.0	74.6	72.9	90.1	11	67.0	29	87.7	72.1	79.9	15.6	79	67	3.84	1.13	31
Year	1012.1	1009.1	78.4	84.3	72.0	70.4	94.1	Feb. 10	62.7	July 27	86.4	71.3	78.9	15.1	81	63	49.59	3.29	April 29

Month	Prevailing Wind Direction (2)		Mean Wind Speed		Cloud Amount (eighths) and Frequency of Total Cloud.															Frequency of Visibility (3)						No. of days of	
					Total		Low		0830					1430						0830			1430			Rain (4)	Thunder
	0830	1430	0830	1430	0830	1430	0830	1430	0	1-2	3-5	6-7	8	0	1-2	3-5	6-7	8		Fog	Mist or Haze	Good	Fog	Mist or Haze	Good		
			knots	knots																							
January	NE/N	NE/N	5	9	5.8	4.7	3.3	2.3	0	4	4	4	19	0	5	14	3	9		0	0	31	0	0	31	10	2
February	E/N	E/S	5	7	4.5	4.6	3.4	3.7	0	9	5	9	5	0	4	15	7	2		0	0	28	0	0	28	7	4
March	S/N	E/SE	4	7	4.7	5.1	4.1	3.7	0	6	12	8	5	0	2	16	6	7		0	0	31	0	0	31	10	5
April	S	SE/S	6	8	5.7	5.8	5.1	3.2	0	5	5	10	10	0	4	10	6	10		0	1	29	0	1	29	16	3
May	S/W	SE/S	7	10	6.0	4.4	5.7	3.3	0	3	6	10	12	0	12	7	5	7		0	2	29	0	0	31	17	2
June	S-W	SE-S	9	11	4.6	3.8	4.1	3.0	0	8	6	9	7	0	12	8	8	2		0	0	30	0	0	30	2	0
July	S-W	SE	6	10	4.7	3.8	3.6	2.5	0	7	9	10	5	0	15	7	3	6		0	0	31	0	0	31	5	0
August	S-W	SE-S	5	10	5.2	4.8	4.9	3.0	0	7	5	13	6	0	9	5	11	6		0	0	31	0	0	31	7	0
September	SE-W	SE/SSE	4	10	5.6	2.9	5.0	1.8	0	2	10	15	3	0	16	10	1	1		0	0	30	0	0	30	10	0
October	SE/S	SE/S	5	7	5.0	4.3	4.5	3.4	0	6	15	6	4	0	15	8	7	1		0	2	29	0	0	31	13	1
November	E-S	E-W	4	5	4.2	5.3	3.8	4.3	0	9	14	7	0	0	5	15	10	0		0	0	30	0	0	30	19	6
December	E	E	7	10	4.3	4.8	3.5	3.9	0	9	12	8	2	0	5	11	13	2		0	0	31	0	0	31	15	9
Year	S-W	SE/S	6	9	5.0	4.5	4.3	3.2	0	75	103	109	78	0	104	126	82	53		0	5	360	0	1	364	131	32

Notes: (1) Pressure is given at Station Level.
(2) Two wind directions separated by a solidus (/) mean that there were these two predominant directions: two directions separated by a hyphen (-) mean that the wind was from between these two directions.
(3) The following definitions are used in this table: Fog = visibility less than 1100 yards; Mist or Haze = visibility 1100 yards to 6 miles; Good = Visibility 6½ miles or over.
(4) A day of rain is one on which 0.01 inch or more of rain falls.

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT WETE, PEMBA IN 1954.

Latitude 05° 04'S. Longitude 39° 43'E. Altitude 50 feet. Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1) 0830	Atmospheric Pressure (1) 1430	Temperature Dry Bulb 0830	Temperature Dry Bulb 1430	Temperature Dew Point 0830	Temperature Dew Point 1430	Extremes of Temperature Max.	Date	Min.	Date	Mean Max.	Mean Min.	Max. + Min. ÷ 2	Mean Range	Relative Humidity 0830	Relative Humidity 1430	Rainfall Total	Max. fall in 24 hrs.	Date
	mb.	mb.	°F	°F	°F	°F	°F		°F		°F	°F		°F			ins.	ins.	
January	[illegible]	[illegible]	81.2	[illegible]	74.5	[illegible]	90.0	6,7	72.0	31	87.5	76.0	81.7	11.5	80	[illegible]	0.94	0.07	10
February	[illegible]	[illegible]	82.4	[illegible]	75.4	[illegible]	91.0	Often	72.0	3	89.6	76.8	82.8	13.6	81	[illegible]	2.50	0.82	16
March	[illegible]	[illegible]	82.6	[illegible]	77.7	[illegible]	92.0	19	73.0	16,18	88.7	75.8	82.3	12.9	85	[illegible]	2.98	0.62	10
April	[illegible]	[illegible]	80.0	[illegible]	76.5	[illegible]	91.0	5	73.0	17,24,25	84.9	75.2	80.1	9.7	89	[illegible]	26.33	5.60	28
May	[illegible]	[illegible]	78.8	[illegible]	75.2	[illegible]	87.0	28,31	70.0	26	82.1	74.4	78.3	7.7	89	[illegible]	12.94	1.35	7,22
June	[illegible]	[illegible]	77.5	[illegible]	73.0	[illegible]	87.0	4,12	70.0	Often	82.9	72.6	77.7	10.3	86	[illegible]	4.59	2.40	24
July	[illegible]	[illegible]	76.6	[illegible]	71.8	[illegible]	88.0	3	66.0	26,27	82.9	71.3	77.1	11.6	85	[illegible]	1.84	0.55	2
August	[illegible]	[illegible]	75.7	[illegible]	72.1	[illegible]	87.0	13	67.0	25	82.5	71.8	77.1	10.7	89	[illegible]	3.40	1.00	5
September	[illegible]	[illegible]	79.2	[illegible]	73.0	[illegible]	86.0	12	67.0	2	83.5	71.9	77.7	11.6	87	[illegible]	0.80	0.19	16
October	[illegible]	[illegible]	80.5	[illegible]	74.9	[illegible]	87.2	22	68.0	Often	85.0	70.8	77.7	14.6	83	[illegible]	4.24	1.50	31
November	[illegible]	[illegible]	81.4	[illegible]	73.8	[illegible]	88.0	29	69.3	2	85.2	73.9	79.5	11.3	81	[illegible]	11.88	2.30	16
December	[illegible]	[illegible]	81.5	[illegible]	74.3	[illegible]	89.0	Often	71.2	30	86.8	75.4	81.1	11.4	79		2.88	1.40	1
Year	0830	1430	0830	1430	0830	1430	92.0	March 19	66.0	July 26,27	85.1	73.7	79.4	11.6	85		73.62	5.60	April 28

Month	Prevailing Wind Direction (2) 0830	Prevailing Wind Direction (2) 1430	Prevailing Wind Speed 0830 knots	Prevailing Wind Speed 1430 knots	Cloud Amount (eighths) and Frequency of Total Cloud. 0830 Total	0830 Low	0830 0	0830 1-2	0830 3-5	0830 6-7	0830 8	1430 0	1430 1-2	1430 3-5	1430 6-7	1430 8	Frequency of Visibility (3) 0830 Fog	0830 Mist or Haze	0830 Good	1430 Fog	1430 Mist or Haze	1430 Good	No. of days of Rain (4)	Thunder
January	SE/NW	[illegible]	3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	31	[illegible]	[illegible]	[illegible]	3	0
February	SE/NW	[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	28	[illegible]	[illegible]	[illegible]	6	0
March	SE/NW	[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	31	[illegible]	[illegible]	[illegible]	14	0
April	SE/NW	[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	30	[illegible]	[illegible]	[illegible]	21	0
May	SE/NW	[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	31	[illegible]	[illegible]	[illegible]	20	0
June	SE/NW	[illegible]	6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	30	[illegible]	[illegible]	[illegible]	9	0
July	SE/NW	[illegible]	3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	31	[illegible]	[illegible]	[illegible]	8	0
August	SE/NW	[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	31	[illegible]	[illegible]	[illegible]	12	0
September	SE/SW	[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	30	[illegible]	[illegible]	[illegible]	8	0
October	SE/NW	[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	31	[illegible]	[illegible]	[illegible]	10	0
November	[illegible]	[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	30	[illegible]	[illegible]	[illegible]	14	0
December	[illegible]	[illegible]	3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	31	[illegible]	[illegible]	[illegible]	4	0
Year	SE/NW		3				0	0	313	52	0						0	0	365				129	0

Notes: (1) Pressure is given at Station Level.
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(3) The following definitions are used in this table: Fog = visibility less than 1100 yards; Mist or Haze = visibility 1100 yards to 6 miles; Good = Visibility 6½ miles or over.
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