EAST AFRICAN METEOROLOGICAL DEPARTMENT

SUMMARY OF METEOROLOGICAL OBSERVATIONS

FOR

1953.

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

CONTENTS.

Kisauni
Wete, Pemba

Latitude 06° 13'S Longitude 39° 13'E Altitude 60 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	°F	%	%	ins.	ins.	
January	1010.4	1007.3	80.5	85.5	74.0	72.8	91.4	27	69.9	27	87.8	73.6	80.7	14.2	81	66	2.62	1.19	4
February	1010.2	1007.4	82.3	87.1	74.1	72.6	93.9	1	69.8	12	90.1	72.9	81.5	17.2	76	62	2.10	1.03	21
March	1010.0	1007.1	81.6	84.8	76.1	75.5	97.7	14	71.8	30	88.1	73.5	80.8	14.6	83	74	7.98	1.36	26
April	1010.8	1008.1	79.3	82.5	75.1	74.4	90.1	10	71.8	30	85.9	74.7	80.3	11.2	88	77	10.06	1.79	29
May	1013.1	1010.4	77.5	82.1	73.1	72.6	86.8	18	67.0	23	83.4	72.9	78.1	10.5	86	73	21.68	2.91	13
June	1014.5	1011.7	75.7	83.5	69.5	67.5	85.6	21,24	65.0	16,28	84.2	70.2	77.2	14.0	81	59	0.02	0.02	8
July	1016.4	1014.2	74.4	81.6	68.2	66.0	86.2	12	64.0	1,30	82.4	70.5	76.5	11.9	82	59	4.62	2.90	15
August	1016.7	1014.3	74.2	81.8	68.7	66.5	84.1	16	62.6	25	82.1	68.2	75.1	13.9	83	62	3.01	1.60	6
September	1015.4	1012.5	75.1	81.9	69.8	68.1	85.2	30	64.2	7	83.2	67.3	75.3	15.9	83	63	2.66	0.71	7
October	1014.2	1012.4	78.5	83.5	70.7	68.7	89.4	10	65.2	22,25,31	85.9	68.7	77.3	17.2	77	61	2.00	1.28	12
November	1012.4	1009.0	80.6	82.8	73.5	73.3	89.0	7	66.1	3	85.6	70.1	77.9	15.5	79	73	10.57	2.76	16
December	1009.8	1006.5	82.1	87.5	75.5	73.0	93.1	30	71.3	13	89.2	74.3	81.7	14.9	81	62	1.40	0.39	23
Year	1012.8	1010.1	78.5	83.6	72.4	70.9	97.7	Mar. 14	62.6	Aug. 25	85.6	71.4	78.5	14.2	82	66	68.72	2.91	May 13

Month	Prevailing Wind Direction (2) 0830	Prevailing Wind Direction (2) 1430	Mean Wind Speed 0830	Mean Wind Speed 1430	Cloud Amount (eighths) and Frequency of Total Cloud: Total 0830	Total 1430	Low 0830	Low 1430	0830: 0	1-2	3-5	6-7	8	1430: 0	1-2	3-5	6-7	8	Frequency of Visibility (3) 0830: Fog	Mist or Haze	Good	1430: Fog	Mist or Haze	Good	No. of days of Rain (4)	Thunder
			knots	knots																						
January	E/N	NE/E	5	8	5.4	4.5	4.7	2.5	0	5	6	11	9	0	5	12	8	6	0	0	31	0	0	31	11	6
February	NE/E	NE/E	5	8	2.9	4.6	2.3	3.3	0	14	11	2	1	0	3	14	8	3	0	0	28	0	0	28	9	3
March	E-SW	NE/N	2	3	4.7	5.6	3.6	3.5	0	3	15	6	6	0	0	13	10	8	0	0	30	0	1	30	24	7
April	SW	E-S	5	4	6.1	6.3	4.6	3.6	0	1	7	9	13	0	0	9	6	15	0	0	30	1	0	29	25	11
May	S	SE-S	4	5	5.2	5.3	4.1	2.8	0	7	5	6	13	0	8	6	7	10	0	3	28	0	0	31	21	1
June	S	NE/N	5	8	4.1	2.8	2.5	2.3	0	9	10	10	1	0	14	13	3	0	0	0	30	0	0	30	1	0
July	S	S	6	9	4.5	3.4	4.4	2.3	1	7	10	3	10	0	15	7	2	7	0	0	31	0	0	31	7	0
August	S/SW	SE-S	4	7	4.7	5.2	3.7	3.3	0	6	12	3	10	0	5	8	8	10	0	0	31	0	1	30	14	0
September	SE-SW	SE/SSW	5	9	5.5	3.9	5.8	2.9	0	3	8	10	9	0	7	17	5	1	0	0	30	0	0	30	15	0
October	SE-S	SE-S	5	7	5.4	4.3	4.9	3.1	0	1	15	9	6	0	8	12	7	4	0	0	31	0	0	31	11	2
November	E	SE-N	4	5	4.8	5.6	4.4	5.1	0	1	17	8	4	0	2	11	12	5	0	1	29	0	1	29	16	3
December	NE/N	NE/E	8	10	5.2	4.2	4.3	3.2	0	6	20	7	4	6	3	21	3	4	0	0	31	0	0	31	10	3
Year	S	SE-S	5	7	4.9	4.6	4.0	3.2	1	57	136	84	86	0	70	143	79	73	0	4	365	1	3	361	164	36

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 1953.

Latitude 05° 04'S Longitude 39° 43'E Altitude 60 feet. Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature				Extremes of Temperature								Relative Humidity		Rainfall		
			Dry Bulb		Dew Point														
	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	-	-	82.0	-	77.7	-	89.4	30,31	73.0	25,27	86.6	75.8	81.2	10.8	88		1.47	0.30	8
February	-	-	83.8	-	75.2	-	92.4	13	70.0	22	89.6	75.3	82.5	14.3	76	-	2.81	1.65	27
March	-	-	84.2	-	77.9	-	91.8	3	73.0	17,24	89.4	75.7	82.5	13.7	82	-	11.01	4.20	16
April	-	-	80.2	-	76.8	-	92.0	14	73.0	22,26	86.6	75.1	80.9	11.5	89	-	19.77	3.80	21
May	-	-	78.7	-	76.1	-	90.0	7	70.0	23	85.6	73.1	79.3	12.5	92	-	20.82	3.30	15
June	-	-	77.9	-	73.8	-	87.7	5	67.7	16	85.2	70.5	77.9	14.7	87	-	1.40	0.70	1
July	-	-	75.6	-	72.3	-	86.2	13	67.0	1,24	82.1	69.7	75.9	12.4	90	-	6.07	1.15	17
August	-	-	76.0	-	72.0	-	83.6	26	65.0	3	82.1	68.9	75.5	13.2	87	-	4.08	1.30	6
September	-	-	78.3	-	72.8	-	85.5	26	67.0	9,12	83.3	68.8	76.1	14.5	84	-	1.54	0.55	5
October	-	-	79.8	-	74.0	-	87.0	7	64.0	31	84.5	70.7	77.6	13.8	82	-	6.59	3.90	10
November	-	-	82.2	-	76.4	-	88.0	Often	64.0	2	85.9	72.6	79.3	13.3	83	-	10.16	3.35	15
December	-	-	82.8	-	77.1	-	89.0	Often	74.0	12	87.3	76.9	82.1	10.4	83	-	3.20	0.87	12
Year	-	-	80.1	-	75.2	-	92.4	Feb. 13	64.0	Oct. 31 Nov. 2	85.7	72.8	79.3	12.9	85	-	88.92	4.20	Mar. 16

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	-	2	-	6.1	-	3.1	-	00	0	8	22	1	-	-	-	-	-	0	24	7	-		-	8	0
February	NE	-	1	-	4.9	-	2.3	-	0	1	17	10	0	-	-	-	-	-	0	4	24			-	6	0
March	NE	-	1	-	4.9	-	2.4	-	0	1	18	12	0	-	-	-	-	-	0	10	21	-	-	-	14	1
April	CALM	-	1	-	6.3	-	3.2	-	0	0	11	7	12	-	-	-	-	-	0	24	6	-		-	25	0
May	SW		1	-	6.0	-	3.9	-	0	1	12	5	13	-	-	-	-	-	0	20	11	-	-	-	24	0
June	SE	-	2	-	4.4	-	2.5	-	0	1	21	6	2	-	-	-	-		0	12	18	-	-		5	0
July	SE	-	3	-	5.6	-	3.8	-	0	2	12	9	8	-	-	-	-	-	0	17	14	-	-	-	15	0
August	SE	-	1	-	5.2	-	3.2	-	0	1	19	7	4	-	-	-	-	-	0	13	18	-	-	-	16	0
September	SE	-	1	-	5.5	-	3.1	-	0	0	15	13	2	-	-	-	-	-	0	16	14	-	-	-	9	0
October	SE/SW	-	1	-	6.0	-	3.5	-	0	0	9	19	3		-	-	-	-	0	21	10	-	-	-	9	0
November	SE/NW	-	3	-	4.8	-	2.4	-	0	0	23	4	3	-	-	-	-	-	0	0	30	-	-	-	12	0
December	SE	-	5	-	4.7	-	2.3	-	0	0	25	6	0	-	-	-		-	0	0	31	-	-		16	0
Year	SE	-	2	-	5.4	-	3.0	-	0	7	190	120	48	-	-	-	-	-	0	161	204	-	-	-	159	1

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.
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