EAST AFRICAN

METEOROLOGICAL DEPARTMENT

SUMMARY OF METEOROLOGICAL OBSERVATIONS

FOR

1950.

PART IV - ZANZIBAR.

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Rocket Center, West Virginia
September 14, 1999

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SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT CHUKWANI, ZANZIBAR, 1950.

Lat.: 6°15'S Long.: 39°13'E. Alt.: 61 ft. Standard Time = G.M.T. + 3 hours. Reference Number: 96.39/03.

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	1008.8	1005.3	81.9	88.9	75.2	75.0	96.3	16	74.2	4	91.2	76.1	83.7	15.1	80	62	1.06	0.53	25
February	1009.9	1006.4	81.2	90.6	74.4	75.5	100.6	5	73.0	14	93.2	75.9	84.5	17.3	80	62	1.61	0.50	15
March	1010.1	1006.7	80.8	86.5	77.4	78.1	97.4	3	74.0	3	90.6	76.6	83.6	14.0	90	76	8.11	1.76	7
April	1010.1	1007.5	79.7	83.8	77.0	76.7	92.4	4	73.0	9	86.5	76.1	81.3	10.4	92	80	10.10	2.16	12
May	1013.1	1010.6	77.3	82.7	72.4	72.7	87.0	1	72.9	15	83.9	75.1	79.5	8.8	85	72	7.10	1.94	6
June	1015.5	1012.5	76.4	81.9	71.6	70.8	86.2	9	69.0	4	83.8	73.1	78.5	10.7	85	70	0.41	0.27	3
July	1016.0	1013.6	75.5	81.1	71.0	68.4	86.5	26	69.0	7	83.1	71.9	77.5	11.2	86	65	1.11	0.57	9
August	1015.6	1012.8	75.8	82.0	70.9	68.6	87.0	11	67.6	21	83.8	71.4	77.6	12.4	85	64	1.72	0.91	22
September	1016.4	1013.3	76.8	83.7	72.1	70.8	92.2	21	69.0	Often	85.8	70.7	78.3	15.0	85	66	1.67	0.54	28
October	1013.8	1010.1	79.2	86.1	72.9	72.6	97.0	24	69.4	18	89.3	71.5	80.4	17.8	81	64	0.99	0.28	4
November	1011.2	1007.7	82.1	88.3	75.5	76.0	99.9	13	72.0	5	91.6	73.9	82.8	17.7	81	67	4.31	1.18	19
December	1010.7	1007.4	81.9	86.8	76.5	76.2	91.8	31	74.0	29	89.1	75.5	82.3	13.6	84	71	5.36	1.32	7
Year	1012.6	1009.5	79.1	85.2	73.9	73.5	100.6	Feb. 5	67.6	Aug. 21	87.7	74.0	80.8	13.7	85	68	43.55	2.16	April 12

Month	Prevailing Wind Direction (2)		Mean Wind Speed		Cloud Amount (eighths) and Frequency of Total Cloud.														Frequency of Vibility (3)						No. of days of	
					Total		Low		0830					1430					0830			1430				
	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	Rain (4)	Thunder
			knots	knots																						
January	N	NE/N	3	6	5.8	4.9	4.2	3.1	0	0	14	9	8	0	6	12	8	5	0	0	31	0	0	31	8	6
February	N	N	3	6	5.4	5.0	2.9	2.7	0	3	11	6	8	0	4	13	3	8	0	0	28	0	0	28	9	4
March	SW	S/SW	3	3	6.5	6.1	4.9	3.6	0	2	6	8	15	0	0	13	6	12	0	0	31	0	1	30	19	23
April	SW	S/SW	6	5	5.7	5.9	5.3	5.1	0	0	14	5	11	0	1	11	10	8	0	0	30	0	2	28	23	19
May	SW	S	8	7	6.1	5.5	4.6	3.3	0	3	5	8	14	0	5	8	10	8	0	1	29	0	0	31	14	2
June	SW	S	5	6	3.9	5.0	2.2	3.1	0	9	14	5	2	0	4	13	6	7	0	0	30	0	0	30	2	0
July	SW	S	6	6	5.5	6.0	3.4	2.7	0	1	14	8	8	0	0	12	9	10	0	0	31	0	0	31	10	0
August	SW	S	5	8	4.7	5.6	3.5	2.2	0	6	14	5	6	0	4	9	10	8	0	0	31	0	0	31	9	0
September	S-W	S	3	8	5.9	4.7	4.7	3.2	0	0	12	13	5	0	4	16	4	6	0	0	30	0	0	30	14	0
October	S/SW	S	3	5	5.8	4.1	4.8	3.3	0	1	9	16	5	0	5	19	5	2	0	0	31	0	0	31	6	0
November	S-W	S	1	3	5.1	4.8	4.5	3.8	0	2	16	8	4	0	4	14	8	4	0	0	30	0	1	29	15	9
December	N	N	2	4	5.9	5.5	4.0	3.3	0	0	11	11	9	0	2	12	13	4	0	0	31	0	0	31	16	11
Year	SW	S	4	5	5.5	5.3	4.1	3.3	0	27	140	102	95	0	39	152	92	82	0	1	363	0	4	361	145	74

Notes: (1) Pressure is given at Station Level.
(2) Two wind directions separated by a solidius (/) 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 KIZIMBANI, ZANZIBAR IN 1950

Latitude 6° 05'S Longitude 39° 16'E Altitude 220 feet Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature				Extremes of Temperature								Relative Humidity		Rainfall			No. of Days of Rain
			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	--	--	81.5	-	74.1	--	91.0	30	70.0	3	87.5	73.6	80.5	13.8	78	--	0.97	0.46	25	5
February	--	--	80.8	--	74.7	--	92.0	26	71.0	often	89.7	74.7	82.2	15.0	82	--	0.87	0.35	26	7
March	--	--	80.2	--	75.6	--	91.0	9,24	70.7	12	87.5	74.3	80.9	13.2	86	--	11.95	2.45	25	24
April	--	--	79.0	--	74.9	--	91.0	6	72.0	often	85.4	73.6	79.5	11.6	86	--	17.87	2.00	30	28
May	--	--	76.9	--	71.7	--	87.0	4	69.0	24	83.3	72.4	77.9	10.9	84	--	10.73	5.28	1	16
June	--	--	75.5	--	71.1	--	89.0	13	63.0	5,17	82.7	69.0	75.9	13.8	86	--	1.20	0.35	3, 4	6
July	--	--	73.8	--	70.7	--	84.3	10	61.2	4	82.1	67.2	74.7	15.0	90	--	2.32	0.47	31	12
August	--	--	74.5	--	69.8	--	89.5	14	64.0	13	83.5	67.3	75.4	16.2	85	--	0.90	0.13	21	12
September	--	--	75.9	--	70.1	--	87.0	11	61.2	16	83.8	66.5	75.1	17.3	83	--	5.11	2.08	20	17
October	--	--	78.6	--	71.2	--	87.0	27	65.0	2,10,12	83.3	67.6	75.5	15.7	76	--	2.90	1.00	9	16
November	--	--	80.9	--	73.3	--	89.0	10	69.0	4,5,14	85.8	70.8	78.3	15.0	78	--	7.50	0.95	19	16
December	--	--	80.6	--	74.9	--	88.0	3,22	70.8	23	86.2	72.4	79.3	13.8	83	--	7.48	1.53	6	22
Year	--	--	78.2	-	72.7	-	92.0	Feb. 26	61.2	July 4 Sept. 16	85.1	70.8	77.9	14.3	83	--	69.80	5.28	May 1	181

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT MKWAJUNI, ZANZIBAR, IN 1950.

Latitude 5° 53'S Longitude 39° 17'E Altitude 165 feet Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature				Extremes of Temperature								Relative Humidity		Rainfall			No. of Days of Rain
			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	--	--	86.0	--	72.5	--	91.0	often	73.5	30	89.0	74.9	81.9	14.0	64	-	0.33	0.23	3	2
February	--	--	83.4	--	72.3	--	93.8	7	71.0	26	89.8	75.0	82.4	14.9	69	--	0.14	0.07	5, 16	2
March	--	--	82.2	-	75.8	--	93.0	2	72.0	2	87.7	74.6	81.1	13.1	81	--	16.05	2.12	11	21
April	--	--	79.4	--	75.1	--	88.0	5,10,22	71.0	21	85.3	73.3	79.3	12.0	87	--	15.72	2.00	26	25
May	--	--	76.9	--	71.0	--	84.0	often	70.0	often	82.3	71.5	76.9	10.9	82	--	10.40	1.90	1	19
June	--	--	76.4	--	70.7	--	85.8	26	67.0	often	83.2	69.4	76.3	13.8	82	--	1.86	0.74	28	6
July	--	--	74.9	--	69.7	--	86.4	6	65.0	3,9, 9	80.9	70.9	75.9	10.0	84	--	2.94	0.50	16	19
August	--	--	76.2	--	69.9	--	86.0	[illegible]	63.0	17,25	8[illegible].8	69.7	75.7	12.1	81	--	1.79	0.2	28	13
September	--	--	77.1	--	70.4	--	84.0	often	63.0	5	82.0	66.8	74.4	15.2	80	--	3.86	0.74	12	14
October	--	--	79.3	--	7[illegible].2	--	89.0	29	64.0	18	83.9	67.8	75.9	16.1	76	--	0.76	0.38	4	4
November	--	--	82.1	--	73.2	--	92.0	5	68.0	2, 17	86.7	71.0	78.9	15.7	75	--	3.49	1.19	19	9
December	--	--	81.1	--	73.8	--	94.0	21	67.0	21	86.8	73.2	80.0	13.6	79	--	3.3	0.90	2	[illegible]
Year	--	--	79.6	--	72.1	--	94.0	Dec. 21	63.0	Aug. 7,29 Sept. 5	84.9	71.5	78.2	13.5	78	--	60.47	2.12	March 11	145

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT VICTORIA GARDENS, ZANZIBAR, IN 1950.

Latitude 6° 10'S Longitude 39° 11'E Altitude 18 feet Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure		Temperature				Extremes of Temperature								Relative Humidity		Rainfall			No. of Days of Rain
			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	-	-	82.6	89.3	75.2	75.4	93.8	15	74.0	4	91.3	77.4	84.3	14.0	78	64	0.38	0.09	3	6
February	-	-	81.6	89.7	75.0	74.8	96.5	7	71.8	14	91.2	76.9	84.1	14.3	81	62	2.11	1.61	13	6
March	-	-	80.6	85.5	76.7	76.4	92.0	22	74.0	12	87.7	76.5	82.1	11.1	88	75	14.36	5.07	7	20
April	-	-	79.2	83.1	76.[illegible]	76.1	89.3	5	73.7	10	85.3	75.8	80.5	9.5	90	79	15.04	2.19	30	24
May	-	-	77.8	83.0	72.9	73.1	87.0	4	72.6	9	84.4	75.1	79.7	9.3	85	72	7.61	1.90	1	15
June	-	-	75.7	82.2	70.5	70.7	85.4	15	70.0	4, 23	83.5	72.4	77.9	11.1	84	68	0.47	0.22	3	4
July	-	-	75.[illegible]	81.5	70.6	70.1	85.0	23	68.0	7	82.8	70.7	76.7	12.2	86	68	1.50	0.44	9	10
August	-	-	74.8	81.4	70.4	68.6	86.4	16	67.0	21	82.9	70.4	76.7	12.5	86	65	2.92	0.92	22	12
September	-	-	75.6	82.2	71.4	70.8	86.7	17	67.0	21	83.6	69.6	76.9	13.9	87	69	3.56	1.04	1	13
October	-	-	78.2	82.9	72.7	72.9	87.0	27	66.7	9	84.2	70.4	77.3	13.8	83	72	3.99	1.13	28	12
November	-	-	80.8	84.7	75.5	75.6	89.6	26	70.4	4	86.5	72.9	79.7	13.5	84	74	5.65	1.96	28	14
December	-	-	81.6	86.3	76.1	75.8	92.5	23	73.2	5	88.0	75.4	81.7	12.6	83	71	5.38	2.09	20	13
Year	-	-	78.6	84.3	73.6	73.3	96.5	Feb. 7	66.7	Oct. 9	85.9	73.6	79.8	12.3	85	70	62.99	5.07	March 7	149

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SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT WETE, PEMBA IN 1950.

Lat.: 5 04 S Long.: 39 43 E Alt.: 60 feet. Standard Time = G.M.T. + 3 hours Reference Number 95.39/01

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	-	-	81.9	-	74.7	-	90.7	29	73.6	31	88.0	75.6	81.8	12.3	79	-	0.47	0.42	20
February	-	-	82.1	-	73.4	-	90.5	24	73.3	13,20	88.8	75.8	82.3	13.0	75	-	0.23	0.16	16
March	-	-	82.5	-	76.8	-	92.2	26	72.3	8	87.8	75.1	81.5	12.7	83	-	10.22	2.42	5
April	-	-	80.3	-	76.1	-	89.2	5,7	72.0	11	84.8	73.8	79.3	11.0	88	-	25.56	2.91	25
May	-	-	78.1	-	74.9	-	88.0	11	70.0	22	83.2	72.3	77.7	10.9	90	-	16.59	3.31	3
June	-	-	77.0	-	73.8	-	86.0	13	62.0	19	83.7	69.7	76.7	14.0	89	-	1.76	0.66	4
July	-	-	76.1	-	70.8	-	85.3	18	66.3	19	83.2	68.1	75.7	15.1	84	-	2.31	1.19	20
August	-	-	76.8	-	71.3	-	85.2	29	65.0	14	82.6	67.9	75.3	14.7	84	-	1.75	0.50	6,19
September	-	-	78.6	-	71.6	-	85.7	30	66.3	5	83.9	69.0	76.5	14.9	79	-	1.14	0.62	1
October	-	-	80.2	-	72.6	-	88.3	29	67.2	12,13,18	85.8	69.5	77.7	16.3	78	-	0.26	0.18	4
November	-	-	82.4	-	74.4	-	88.8	26	70.0	17	86.6	72.0	79.3	14.6	78	-	3.95	1.13	1
December	-	-	81.8	-	74.9	-	88.5	4,24	71.5	8	87.0	74.1	80.5	12.8	80	-	6.08	1.60	4
Year	-	-	79.8	-	73.8	-	92.2	March 26	62.0	June 19	85.5	71.9	78.7	13.5	82	-	70.32	3.31	May 3

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				
	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	Rain (4)	Thunder
			Knots	knots																							
January	NW	-	4	-	6.3	-	3.3	-	0	0	3	25	3	-	-	-	-	-		0	0	31	-	-	-	2	0
February	NW	-	3	-	6.6	-	3.7	-	0	0	0	23	5	-	-	-	-	-		0	0	28	-	-	-	3	0
March	SW/NW	-	1	-	5.6	-	3.1	-	0	1	10	19	1	-	-	-	-	-		0	1	30	-	-	-	19	0
April	SE	-	3	-	5.6	-	3.1	-	0	4	5	14	7	-	-	-	-	-		0	12	18	-	-	-	24	1
May	SE	-	6	-	6.3	-	3.8	-	0	1	6	12	12	-	-	-	-	-		0	4	27	-	-	-	26	3
June	SE	-	6	-	5.5	-	3.8	-	0	3	10	12	5	-	-	-	-	-		0	6	24	-	-	-	12	0
July	SE	-	5	-	4.3	-	4.2	-	0	4	22	3	2	-	-	-	-	-		0	0	31	-	-	-	14	0
August	SE	-	5	-	4.6	-	4.5	-	0	4	15	10	2	-	-	-	-	-		0	0	31	-	-	-	11	0
September	SE	-	5	-	3.6	-	2.6	-	0	4	22	4	0	-	-	-	-	-		0	0	30	-	-	-	4	0
October	NE/SE	-	5	-	4.3	-	3.5	-	0	6	15	10	0	-	-	-	-	-		0	0	31	-	-	-	3	0
November	NE	-	4	-	4.5	-	4.4	-	0	0	26	4	0	-	-	-	-	-		0	0	30	-	-	-	13	0
December	N	-	5	-	4.7	-	4.7	-	0	0	23	6	2	-	-	-	-	-		0	0	31	-	-	-	15	1
Year	SE	-	4	-	5.2	-	3.7	-	0	27	157	142	33	-	-	-	-	-		0	23	342	-	-	-	146	5

Notes: (1) Pressure is given at Station Level.
(2) Two wind directions separated by a solidius (/) mean that there were these two predominant directions: two directions separatef by hyphen (-) mean that the 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 or more of rain falls.