E A S T AFRICAN

METEOROLOGICAL DEPARTMENT

SUMMARY OF METEOROLOGICAL OBSERVATIONS

FOR

1947.

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Information Manufacturing Corporation
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Rocket Center, West Virginia
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SUMMARY OF METEOROLOGICAL OBSERVATIONS AT CHWAKALI ZANZIBAR, 1947.

Latitude 6° 25'S Long.: 39° 13'E Alt.: 61 feet Standard Time 2h 45m East Reference Number 96.39/03.

Month	Atmospheric Pressure at 0°		Temperature				Vapour Pressure		Saturation Deficit		Relative Humidity		Total Cloud Amt.		Number of Occasions at 8.30h of Cloud Amounts					Rainfall			Number of Days of	
	8.30	14.30	Dry Bulb 8.30	Dry Bulb 14.30	Wet Bulb 8.30	Wet Bulb 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	Total	Max. Fall in 24 hrs.	Rain	Cloud	Clear
	Ins.	Ins.	F.	F.	F.	F.	Ins.	Ins.	Ins.	Ins.	%	%								Ins.	Ins.			
January	29.845	29.689	82.3	78.7	75.3	76.1	.915	.907	.195	.249	82	62	7.1	6.8	0	0	12	16	3	53.4	2.09	0.85	22	8	12
February	29.816	29.695	81.6	80.8	75.5	77.6	.892	.954	.198	.461	82	68	6.0	5.3	0	0	16	11	1	22.9	0.40	0.77	5	3	7
March	29.831	29.782	81.2	81.3	77.4	77.1	.951	.936	.124	.172	88	72	7.2	6.4	0	2	8	20	1	165.8	6.45	1.93	3	18	24
April	29.846	29.751	78.5	83.4	76.3	77.8	.915	.965	.060	.192	93	83	8.9	8.4	0	0	2	14	14	491.5	19.35	2.50	28	22	16
May	29.928	29.833	77.8	80.9	73.8	74.1	.859	.890	.097	.216	89	80	8.3	8.6	0	1	6	9	15	305.2	11.25	2.90	16	19	0
June	29.991	29.899	76.4	81.6	72.4	71.5	.805	.780	.115	.336	87	71	6.8	6.8	0	2	10	14	4	47.0	1.85	1.06	6	6	0
July	29.988	29.899	74.9	80.8	70.9	69.7	.762	.738	.112	.364	87	67	7.0	6.3	0	2	10	16	3	8.4	0.35	0.54	5.00	4	0
August	29.984	29.959	75.2	80.1	71.1	69.6	.768	.729	.115	.308	87	70	7.5	6.3	0	1	8	19	3	57.3	1.47	0.81	7	12	0
September	29.980	29.905	78.7	85.1	71.5	74.8	.780	.762	.150	.384	84	67	7.5	7.0	0	0	11	12	7	57.7	2.27	0.76	13	13	0
October	29.970	29.870	78.4	85.4	72.9	78.7	.818	.812	.165	.343	84	70	6.9	6.4	0	0	15	10	6	111.8	4.40	3.25	22	12	0
November	29.878	29.798	80.7	85.3	75.2	76.4	.883	.918	.174	.310	85	75	8.0	6.2	0	0	4	22	4	234.4	9.23	3.50	25	16	7
December	29.851	29.748	81.6	84.8	76.5	77.6	.921	.954	.160	.257	84	79	7.4	7.2	0	0	8	20	3	118.0	4.35	1.15	19	16	6
Year	29.906	29.811	78.7	84.3	74.1	74.5	.854	.858	.140	.339	86	72	7.4	7.1	0	8	108	191	58	1617.8	63.67	3.50	Nov. 25	149	72

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

Month	Frequency of Wind Direction at 8.30h									Calm	Frequency of Wind Force at 8.30h			Mean Wind Velocity		Extremes of Temperature of the Air.										Frequency of Visibility at 8.30h		
	N	NE	E	SE	S	SW	W	NW			1-3	4-7	>7	8.30	14.30	Max.	Date	Min.	Date	Mean Max.	Mean Min.	Max.	Date	Min.	Date	Mean Max.	Mean Min.	Fog	Mist	Good Vis.
														m.p.h.	m.p.h.	F.		F.		F.	F.	F.		F.		F.	F.			
January	21	6	0	0	0	0	2	2	0	31	0	0	0	7.4	8.1	97.0	9	72.5	31	93.4	76.8	84.9	20.8	6.9	16.2	0	0	31
February	9	15	2	0	0	1	0	1	0	28	0	0	0	6.0	10.3	98.6	28	75.0	8	91.8	76.5	84.1	20.8	11.0	15.3	0	0	28
March	7	4	0	2	5	7	4	2	2	26	5	0	0	6.9	5.1	96.0	1	73.0	6	90.7	76.9	83.8	18.8	4.8	15.8	0	0	31
April	0	1	0	2	2	18	4	3	0	16	14	0	0	10.7	6.9	95.4	1	72.0	23	85.3	75.9	80.6	16.2	1.7	9.5	0	9	28
May	0	0	0	0	4	25	2	0	0	9	22	0	0	14.3	11.9	86.4	5	71.8	4,17	82.4	74.4	78.5	11.1	1.7	7.8	0	2	29
June	0	0	0	0	5	23	2	0	0	19	11	0	0	11.4	10.3	85.8	19	70.6	30	82.7	74.4	78.5	10.9	4.5	8.2	0	0	30
July	0	0	0	0	3	26	2	0	0	19	12	0	0	11.9	11.0	86.9	13	70.6	15	83.0	72.3	77.7	15.3	6.7	10.7	0	0	31
August	0	0	0	0	7	24	0	0	0	17	14	0	0	11.9	13.2	87.7	9	68.9	4	82.3	72.1	77.2	15.7	5.2	10.2	0	0	31
September	0	0	0	6	9	13	0	0	2	23	5	0	0	8.3	13.0	91.7	28	69.0	27	85.8	71.5	78.7	20.7	5.3	14.3	0	0	30
October	0	0	0	11	14	5	0	1	2	27	2	0	0	4.9	11.9	90.0	17	69.3	12	85.8	71.5	78.7	19.0	10.2	14.3	0	0	31
November	1	4	2	12	4	4	0	0	3	26	1	0	0	4.3	7.4	93.6	18	72.0	14,24	87.6	73.4	80.2	20.1	8.2	13.8	0	1	29
December	10	9	2	0	0	0	0	4	6	25	0	0	0	4.5	5.8	92.9	5	72.7	16	87.5	75.3	81.5	17.0	5.6	12.5	0	0	31
Year	48	39	6	33	51	144	16	13	15	266	84	0	0	8.5	9.6	98.6	28	68.9	Feb. 4	Aug. 86.5	74.3	80.4	20.8	1.7	12.2	0	5	360

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT WETE, PEMBA 1947.

Lat.: 5° 04'S Long.: 39° 43'E Alt.: 60 ft. Standard Time 2h 45m East Reference Number 95.39/01.

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	
			Dry Bulb		Dew Point															Total		Max.Fall in 24hrs			Thun-	
	h 8.30	h 14.30	8.30	14.30	8.30	14.30	h 8.30	h 14.30	h 8.30	h 14.30	h 8.30	h 14.30	h 8.30	h 14.30	0	1-3	4-6	7-9	10	mm.	ins.	ins.	Date	Rain	der.
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%															
January	-	-	82.6	-	75.7	-	.898	-	.227	-	79	-	7.2	-	0	3	6	19	3	34.5	1.36	1.20	30	5	0
February	-	-	83.1	-	74.8	-	.868	-	.275	-	76	-	6.5	-	0	3	9	16	0	0.8	0.03	0.03	8	1	0
March	-	-	84.0	-	77.0	-	.936	-	.239	-	80	-	6.5	-	0	5	8	13	5	165.4	6.51	1.20	29	20	3
April	-	-	80.5	-	76.3	-	.913	-	.138	-	87	-	7.3	-	0	6	3	10	11	597.7	23.53	2.50	19	26	2
May	-	-	77.5	-	74.3	-	.853	-	.101	-	90	-	8.5	-	0	2	4	8	17	913.9	35.98	5.35	16	27	2
June	-	-	78.1	-	72.5	-	.800	-	.172	-	83	-	6.3	-	0	7	5	15	3	45.5	1.79	0.46	22	17	0
July	-	-	77.0	-	71.4	-	.777	-	.159	-	83	-	6.1	-	0	7	7	14	3	14.2	0.56	0.15	4,31	9	0
August	-	-	76.8	-	70.7	-	.759	-	.171	-	82	-	7.2	-	0	6	2	17	6	146.8	5.78	3.30	14	18	0
September	-	-	78.4	-	71.5	-	.783	-	.197	-	80	-	6.2	-	0	6	8	15	1	37.8	1.49	0.98	18	14	0
October	-	-	80.9	-	72.6	-	.809	-	.257	-	76	-	6.2	-	0	3	12	15	1	9.1	0.36	0.33	27	2	0
November	-	-	82.3	-	74.6	-	.869	-	.248	-	78	-	6.4	-	0	2	11	16	1	113.8	4.48	1.00	25	14	0
December	-	-	81.5	-	75.9	@-	.904	-	.185	-	83	-	7.2	-	0	0	7	22	2	164.8	6.49	2.50	29	11	0
Year	-	-	80.2	-	73.9	-	.847	-	.197	-	81	-	6.8	-	0	50	82	180	53	2244.5	88.36	5.35	May 16	164	2

@ At Station level; corrected for temperature and to standard gravity.

Month	Frequency of Wind Direction at 8.30h								Calm	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		1-3	4-7	>7	h 8.30	h 14.30	Max.	Date	Min.	Date	Mean Max.	Mean Min.	Mean 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	27	0	0	1	0	0	0	0	3	28	0	0	2.9	-	91.8	24	70.9	31	88.4	76.3	82.5	15.6	3.2	12.2	0	13	18
February	26	0	0	0	0	0	0	0	2	26	0	0	2.2	-	92.3	27	72.0	22,28	88.9	75.3	82.1	19.3	9.5	13.7	0	2	26
March	17	3	0	1	5	2	0	0	5	25	1	0	2.7	-	94.9	2	72.3	14	89.2	75.5	82.3	21.7	5.5	13.7	0	5	26
April	14	0	0	0	20	5	0	0	2	28	0	0	2.2	-	89.5	6	72.2	4	84.9	74.8	79.9	16.2	4.8	10.1	0	12	18
May	0	0	0	3	14	8	0	0	6	25	0	0	3.4	-	86.2	8	70.4	15	81.7	73.0	77.3	13.4	3.6	8.7	0	12	19
June	0	0	0	18	8	0	0	0	4	24	2	0	3.8	-	86.3	8	67.0	29	83.4	71.1	77.3	15.3	7.5	12.3	0	4	26
July	0	0	0	22	7	0	0	0	2	27	2	0	3.8	-	84.6	24,28	66.6	8	82.7	69.3	76.0	15.6	7.6	13.3	0	4	27
August	0	0	0	21	4	0	0	0	6	25	0	0	2.5	-	84.7	5	64.0	18	81.8	68.2	75.0	20.4	6.9	13.6	0	5	26
September	0	0	4	17	4	0	0	0	5	24	1	0	3.4	-	85.8	21	66.8	27	83.0	68.8	75.9	17.8	7.8	14.2	0	0	30
October	3	1	9	12	0	0	0	0	6	25	0	0	1.8	-	87.6	23	67.5	9	85.1	69.5	77.3	18.2	12.0	15.6	0	0	31
November	12	11	2	0	0	0	0	1	4	25	1	0	3.4	-	87.6	30	70.5	21	85.2	72.5	78.9	15.5	7.0	12.7	0	13	17
December	21	0	1	0	0	0	0	2	7	24	0	0	2.0	-	88.7	5	72.3	24	86.5	74.4	80.5	14.9	7.3	12.2	0	3	28
Year	107	15	16	95	62	15	0	3	52	306	7	0	2.8	-	94.9	March 2	64.0	Aug. 18	85.1	72.4	78.7	21.7	3.2	12.7	0	73	292

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT VICTORIA GARDENS, ZANZIBAR, 1947.

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

Month	Atmospheric Pressure @ 8.30 h Ins.	Atmospheric Pressure @ 14.30 h Ins.	Temperature Dry Bulb 8.30 h F.	Temperature Dry Bulb 14.30 h F.	Temperature Dew Point 8.30 h F.	Temperature Dew Point 14.30 h F.	Vapour Pressure 8.30 h Ins.	Vapour Pressure 14.30 h Ins.	Saturation Deficit 8.30 h Ins.	Saturation Deficit 14.30 h Ins.	Relative Humidity 8.30 h %	Relative Humidity 14.30 h %	Total Cloud Amt. 8.30 h	Total Cloud Amt. 14.30 h	Number of occasions at 8.30h of Cloud Amounts 1-3	4-6	7-9	10	Rainfall Total mm.	Rainfall Total Ins.	Rainfall Max.Fall in 24hrs. Ins.	Date	Number of Days of Rain	Thunder.
January	-	-	82.7	89.7	75.7	74.5	.895	.856	.255	.556	79	61	7.9	5.8	0	4	4	13	10	63.2	2.49	1.83	29	6	0
February	-	-	82.4	88.6	75.4	75.2	.889	.885	.227	.478	79	65	5.0	5.8	1	8	9	8	2	41.7	1.64	1.16	8	4	0
March	-	-	81.8	86.7	77.1	75.4	.939	.918	.157	.564	85	72	6.8	6.4	0	4	11	10	6	277.1	10.91	2.05	3	13	6
April	-	-	79.1	82.5	76.1	76.8	.907	.927	.097	.195	91	82	8.6	8.4	0	0	5	12	13	544.8	21.45	3.19	17	24	1
May	-	-	77.8	81.6	73.6	74.5	.836	.859	.127	.231	87	79	7.6	7.9	0	6	1	9	15	335.0	13.19	2.93	16	18	0
June	-	-	77.0	82.6	72.3	71.9	.800	.791	.136	.334	85	70	5.5	6.0	0	10	8	10	2	49.0	1.95	0.74	15	6	0
July	-	-	75.5	82.5	70.7	70.1	.759	.744	.127	.378	86	66	6.3	5.6	0	8	4	19	0	2.5	0.10	0.08	25	2	0
August	-	-	75.6	81.0	70.6	70.1	.756	.784	.139	.325	85	70	5.9	7.0	0	10	5	15	3	61.0	2.40	0.75	3	10	0
September	-	-	76.8	81.8	71.3	71.0	.774	.768	.156	.328	85	71	6.4	6.3	1	6	6	10	7	94.7	3.75	0.85	30	13	0
October	-	-	79.0	83.1	72.8	72.9	.815	.818	.186	.328	82	72	5.6	5.0	0	7	11	13	0	68.6	2.70	1.74	22	13	0
November	-	-	80.9	85.6	74.6	75.1	.865	.880	.201	.284	81	76	6.8	6.9	0	4	6	17	3	225.0	8.86	3.24	23	19	0
December	-	-	82.8	86.0	76.3	75.4	.915	.880	.189	.366	83	71	6.3	4.9	0	6	9	13	3	94.2	3.71	1.49	26	12	2
Year	-	-	79.2	84.1	73.9	73.6	.846	.840	.165	.347	84	71	6.6	6.2	2	73	79	147	64	1856.8	73.11	3.24	Nov. 23	140	9

@ Attention levels, 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 8.30 h m.p.h.	14.30 h m.p.h.	Extremes of Temperature of the Air. Max. F.	Date	Min. F.	Date	Mean Max. F.	Mean Min. F.	Max - Min F.	Range Max. F.	Min. F.	Mean F.	Frequency of Visibility at 8.30 Fog	Mist	Good Vis.
January	-	-	-	-	-	-	-	-	7	24	0	0	4.5	6.7	96.4	10	72.0	30	91.7	77.7	84.4	19.5	8.8	13.4	0	0	31
February	-	-	-	-	-	-	-	-	6	22	0	0	4.5	6.9	93.7	26	74.0	17	90.3	76.4	83.3	18.7	10.8	13.9	0	0	28
March	-	-	-	-	-	-	-	-	17	14	0	0	1.8	2.2	96.0	2	73.0	6	88.9	76.2	82.5	20.0	4.2	12.6	0	0	31
April	-	-	-	-	-	-	-	-	14	16	0	0	2.0	1.1	90.0	2	72.0	23	84.4	75.7	80.1	15.4	1.7	8.7	0	1	29
May	-	-	-	-	-	-	-	-	5	26	0	0	4.5	5.1	88.4	1	72.2	17	85.1	75.0	79.1	12.5	3.5	8.1	0	0	31
June	-	-	-	-	-	-	-	-	7	22	1	0	4.5	6.7	86.8	19	69.0	30	84.0	73.7	78.9	14.0	5.2	10.2	0	0	30
July	-	-	-	-	-	-	-	-	7	23	1	0	4.9	7.4	87.0	29	68.7	15	83.9	71.6	77.7	16.5	7.8	12.3	0	0	31
August	-	-	-	-	-	-	-	-	11	20	0	0	3.8	5.4	85.0	often	67.4	16	82.7	71.2	76.9	14.7	7.2	11.5	0	0	31
September	-	-	-	-	-	-	-	-	15	14	1	0	3.4	5.4	88.6	21	68.3	10	83.5	70.0	76.7	20.8	8.2	13.5	0	0	30
October	-	-	-	-	-	-	-	-	14	17	0	0	2.5	5.4	88.2	18,30	68.0	10	85.1	70.1	77.6	17.2	9.8	14.6	0	0	31
November	-	-	-	-	-	-	-	-	16	13	1	0	2.7	2.7	91.2	29	70.4	9	85.9	73.2	79.5	16.8	7.0	12.2	0	1	29
December	-	-	-	-	-	-	-	-	10	20	1	0	4.3	6.0	91.6	25	71.4	27	88.2	75.6	81.9	17.4	6.8	12.6	0	1	30
Year	-	-	-	-	-	-	-	-	129	231	5	0	3.6	5.1	96.4	Jan. 10	67.4	Aug. 16	85.9	73.9	79.9	20.8	1.7	12.0	0	3	362

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT KIZIMBANI, 1947.

Lat.: 6° 05'S Long.: 39° 16'E Alt.: 220 feet Standard Time 2h 45m East Reference Number 96.39/11.

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	Number of occasions at 8.30h of Cloud Amounts 0	1-3	4-6	7-9	10	Rainfall Total mm.	ins.	Max.Fall in 24hrs	Date	Rain	Number of Days of Thunder.
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%									ins.			
January	-	-	80.6	-	74.7	-	.868	-	.186	-	82	-	6.8	-	0	0	15	16	0	54.6	2.15	1.71	29	3	-
February	-	-	80.6	-	74.3	-	.856	-	.198	-	81	-	6.1	-	0	1	18	9	0	6.9	0.27	0.18	8	3	-
March	-	-	81.0	-	76.4	-	.918	-	.151	-	86	-	6.0	-	0	6	11	11	3	341.1	13.43	1.65	18	23	-
April	-	-	77.6	-	75.1	-	.880	-	.077	-	92	-	8.2	-	0	1	4	13	12	509.5	20.06	2.10	27	28	-
May	-	-	77.3	-	72.8	-	.815	-	.133	-	86	-	8.0	-	0	0	8	15	8	251.2	9.89	2.35	16	24	-
June	-	-	76.3	-	72.1	-	.794	-	.121	-	87	-	6.3	-	2	6	7	14	3	30.2	1.19	0.34	7	9	-
July	-	-	75.0	-	70.4	-	.753	-	.124	-	86	-	5.7	-	0	9	6	15	1	8.4	0.33	0.14	25	5	-
August	-	-	75.2	-	70.5	-	.756	-	.127	-	86	-	6.9	-	0	2	10	15	4	105.9	4.17	1.12	10	17	-
September	-	-	76.0	-	70.6	-	.756	-	.151	-	84	-	7.3	-	0	2	8	14	6	119.1	4.69	1.62	17	17	-
October	-	-	78.9	-	70.7	-	.759	-	.239	-	76	-	6.5	-	0	0	16	15	0	78.0	3.07	1.07	23	11	-
November	-	-	80.4	-	71.6	-	.783	-	.266	-	75	-	6.5	-	0	0	17	13	0	181.4	7.14	1.93	23	13	-
December	-	-	81.7	-	74.6	-	.865	-	.227	-	79	-	6.5	-	0	0	18	13	0	79.0	3.11	0.83	3	13	-
Year	-	-	78.4	-	72.8	-	.817	-	.167	-	83	-	6.7	-	0	27	138	163	37	1765.3	69.50	2.35	May 16	166	-

● 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 m.p.h.	h 14.30 m.p.h.	Extremes of Temperature of the Air. Max.	Date	Min.	Date	Mean Max.	Mean Min.	Range Max.	Min.	Mean	Frequency of Visibility at 8.30 Fog	Mist	Good Vis.
															F.		F.		F.	F.	F.	F.	F.			
January	20	1	0	0	0	2	0	0	8	23	0	0	-	-	93.0	10	71.6	30	89.0	74.8	81.9	18.5	8.0	14.2	-	-	-
February	14	0	0	0	0	0	0	1	13	15	0	0	-	-	92.0	25	71.9	15	88.2	73.5	80.9	18.1	10.2	14.7	-	-	-
March	13	0	0	0	0	0	0	2	16	15	0	0	-	-	93.0	1, 2	70.8	3, 23	87.1	73.6	80.5	21.0	7.0	13.5	-	-	-
April	2	2	0	0	0	13	2	0	11	19	0	0	-	-	92.0	5	70.5	24	83.8	73.0	78.4	19.0	4.0	10.8	-	-	-
May	8	6	0	0	0	29	0	0	2	29	0	0	-	-	86.5	2	69.5	24	81.9	72.0	76.9	13.9	3.1	9.9	-	-	-
June	0	0	0	0	0	22	0	0	8	22	0	0	-	-	85.0	7, 8	66.9	29	82.5	70.4	76.5	17.6	8.0	12.1	-	-	-
July	0	0	0	17	0	4	0	0	10	21	0	0	-	-	84.5	22,23	65.0	14	82.8	68.5	75.7	18.0	2.4	14.3	-	-	-
August	0	0	0	0	0	24	0	0	7	24	0	0	-	-	84.0	2, 5	65.5	28	81.9	68.6	75.3	16.5	5.9	13.3	-	-	-
September	0	0	0	15	0	10	0	0	5	25	0	0	-	-	85.0	14	64.0	27	81.4	67.1	74.3	18.0	6.5	14.4	-	-	-
October	0	0	0	26	0	0	0	0	5	26	0	0	-	-	88.0	21	61.2	14	82.0	67.5	74.7	21.5	9.0	14.5	-	-	-
November	1	0	0	17	0	0	0	0	12	18	0	0	-	-	89.0	19	67.0	30	84.7	71.1	77.9	19.0	7.0	13.5	-	-	-
December	0	0	0	3	0	17	0	7	4	27	0	0	-	-	88.5	12,13	69.0	21	85.8	73.5	79.6	20.4	3.5	12.3	-	-	-
Year	58	3	0	78	0	121	2	10	101	264	0	0	-	-	93.0	Jan.10 April 2	61.2	Oct. 14	84.3	71.1	77.7	21.5	2.4	13.1	-	-	-

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT MWERA, 1947.

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

Month	Atmospheric Pressure @ h 8.30	Atmospheric Pressure @ h 14.30	Temperature Dry Bulb 8.30	Temperature Dry Bulb 14.30	Temperature Dew Point 8.30	Temperature Dew Point 14.30	Vapour Pressure h 8.30	Vapour Pressure h 14.30	Saturation Deficit h 8.30	Saturation Deficit h 14.30	Relative Humidity h 8.30	Relative Humidity h 14.30	Total Cloud Amt. h 8.30	Total Cloud Amt. h 14.30	Number of occasions at 8.30h of Cloud Amounts 0	1-3	4-6	7-9	10	Rainfall Total ms.	Rainfall Total ins.	Rainfall Max.Fall in 24hrs ins.	Date	Number of Days of Rain	Number of Days of Thunder.
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%													
January	-	-	77.8	-	71.0	-	.768	-	.195	-	80	-	-	-	-	-	-	-	-	63.0	2.48	1.49	28	3	-
February	-	-	77.9	-	71.9	-	.791	-	.174	-	82	-	-	-	-	-	-	-	-	1.8	0.07	0.04	7	2	-
March	-	-	81.6	-	75.5	-	.892	-	.198	-	82	-	-	-	-	-	-	-	-	221.0	8.70	1.70	4	11	-
April	-	-	80.5	-	76.0	-	.907	-	.145	-	86	-	-	-	-	-	-	-	-	625.1	24.61	4.00	19	23	-
May	-	-	79.1	-	73.7	-	.839	-	.165	-	83	-	-	-	-	-	-	-	-	309.6	12.19	2.25	16	18	-
June	-	-	79.6	-	71.2	-	.771	-	.251	-	75	-	-	-	-	-	-	-	-	52.8	2.08	0.58	6	8	-
July	-	-	79.0	-	70.9	-	.765	-	.236	-	76	-	-	-	-	-	-	-	-	2.0	0.08	0.06	25	2	-
August	-	-	77.1	-	66.8	-	.664	-	.275	-	71	-	-	-	-	-	-	-	-	83.8	3.30	0.88	10	16	-
September	-	-	79.3	-	70.8	-	.762	-	.216	-	78	-	-	-	-	-	-	-	-	122.9	4.84	1.00	30	13	-
October	-	-	80.0	-	69.2	-	.721	-	.313	-	70	-	-	-	-	-	-	-	-	83.6	3.29	0.85	25	6	-
November	-	-	82.0	-	72.3	-	.800	-	.304	-	73	-	-	-	-	-	-	-	-	166.6	6.56	1.95	24	15	-
December	-	-	84.6	-	72.4	-	.803	-	.396	-	67	-	-	-	-	-	-	-	-	45.2	1.78	0.46	15	6	-
Year	-	-	79.8	-	71.8	-	.790	-	.239	-	77	-	-	-	-	-	-	-	-	1777.4	69.98	4.00	Apr. 19	123	-

@ 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 m.p.h.	h 14.30 m.p.h.	Extremes of Temperature of the Air. Max.	Date	Min.	Date	Mean Max.	Mean Min.	Mean	Range ½ Max.	Range Max.	Range Min.	Range Mean	Frequency of Visibility at 8.30h Fog	Mist	Good Vis.
															F.		F.		F.	F.	F.	F.	F.	F.	F.			
January	-	-	-	-	-	-	-	-	-	-	-	-	-	-	93.0	15	67.0	25	86.3	70.4	78.3	23.0	8.0	15.9	-	-	-
February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89.0	often	68.0	1	86.1	70.8	78.4	19.0	11.0	15.3	-	-	-
March	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92.0	11	68.0	5	86.1	72.4	78.3	21.0	6.0	14.0	-	-	-
April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91.0	1, 4	70.0	4,5,7	85.0	72.7	78.9	21.0	2.0	12.3	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89.0	9	69.0	often	82.8	71.6	77.3	18.0	5.0	11.2	-	-	-
June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	86.0	2,20	60.0	30	83.4	69.1	76.3	24.0	10.0	14.4	-	-	-
July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85.0	often	61.0	19	83.5	64.9	74.2	23.0	14.0	18.5	-	-	-
August	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85.0	1	61.0	8	81.8	67.3	74.5	23.0	9.0	14.4	-	-	-
September	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87.0	23	63.0	1,11,26	82.9	66.4	74.4	23.0	11.0	16.8	-	-	-
October	-	-	-	-	-	-	-	-	-	-	-	-	-	-	86.0	8	64.0	22	83.8	66.6	75.2	21.0	10.0	17.3	-	-	-
November	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89.0	17,29	64.0	22	85.2	67.2	76.2	22.0	11.0	18.0	-	-	-
December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91.0	often	67.0	2	89.4	69.9	79.7	22.0	8.1	19.5	-	-	-
																Jan.		June										
Year	-	-	-	-	-	-	-	-	-	-	-	-	-	-	93.0	15	60.0	30	84.7	69.1	76.8	24.0	2.0	15.6	-	-	-