EAST AFRICAN

METEOROLOGICAL DEPARTMENT

SUMMARY OF METEOROLOGICAL OBSERVATIONS

FOR

1947

PART II - TANGANYIKA

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September 14, 1999

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SUMMARY OF METEOROLOGICAL OBSERVATIONS AT AMANI, 1947.

Lat.: 5° 06'S Long: 38° 38'E Alt.: 2983 feet Standard Time 3h 00m East Reference Number 95.38/03.

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 Thunder.
	h	h	Dry Bulb		Dew Point		h	h	h	h	h	h	h	h						Total	Max. Fall			
	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	ins.	ins.	in 24hrs	Date	Rain	Ther.
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%													
January	26.896	26.807	71.7	81.4	65.7	66.7	.638	.661	.148	.420	81	61	7.0	7.2	0	3	10	14	4	23.9	0.94	0.54	30	5	4
February	26.902	26.822	70.2	81.2	66.0	67.3	.644	.673	.100	.402	87	63	6.4	6.1	0	4	5	13	9	91.4	3.60	1.63	11	5	3
March	26.931	26.849	70.5	79.5	67.3	68.9	.676	.715	.077	.304	90	70	7.4	7.5	0	4	5	13	9	178.6	7.03	1.53	22	16	6
April	26.937	26.863	69.6	74.9	67.8	69.3	.685	.721	.044	.159	94	83	8.5	8.8	0	0	5	10	15	534.2	21.03	5.13	30	27	4
May	26.996	26.931	66.4	70.5	64.2	66.0	.605	.644	.051	.109	93	85	9.3	9.3	0	0	3	7	21	444.5	17.50	3.40	16	25	0
June	27.138	26.984	65.0	70.5	61.9	65.1	.558	.585	.002	.168	90	76	7.8	8.5	0	2	4	17	7	81.0	3.19	0.55	19	20	0
July	27.032	26.976	63.9	71.2	59.8	60.8	.520	.537	.079	.234	87	69	7.0	7.1	0	5	5	15	6	18.5	0.73	0.28	4	8	0
August	27.056	27.001	63.2	67.5	60.3	61.5	.529	.549	.056	.130	90	81	8.7	9.0	0	0	2	17	12	92.7	3.65	0.69	5	26	0
September	27.046	26.976	64.6	69.2	61.7	62.9	.558	.579	.056	.145	90	81	8.8	8.7	0	0	3	12	15	225.3	8.87	2.26	12	18	0
October	27.038	26.940	66.6	73.3	63.0	64.6	.582	.614	.077	.213	88	74	8.6	7.6	0	1	4	8	18	79.0	3.11	0.63	6	16	0
November	26.973	26.875	70.1	74.1	66.0	67.4	.647	.679	.097	.171	87	80	8.3	8.6	0	0	6	14	10	223.5	8.80	1.30	8	20	7
December	26.928	26.840	71.7	78.4	65.9	67.9	.644	.688	.124	.292	84	70	6.5	7.7	0	4	12	11	4	95.8	3.77	1.60	26	16	4
Year	26.989	26.906	67.8	74.3	64.1	65.5	.607	.637	.081	.228	88	75	7.9	8.0	0	22	70	148	125	2088.4	82.22	5.13	Apr 30	202	28

@ 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.	Range Max.	Range Min.	Range Mean	Fog	Mist	Good Vis.
													a.p.h.	a.p.h.	F.		F.		F.	F.	F.	F.	F.			
January	12	0	5	1	0	0	7	6	0	31	0	0	2.5	7.2	89.6	25	60.5	31	83.6	64.7	74.1	25.5	2.0	18.9	1	4	26
February	11	4	7	0	0	3	2	1	0	28	0	0	2.9	7.2	87.5	25	58.1	28	83.3	63.6	73.5	28.7	13.6	19.7	0	3	25
March	8	1	5	0	4	1	14	1	0	30	1	0	2.9	7.4	86.9	1	59.0	1	81.4	64.2	72.8	27.9	8.0	17.2	0	2	29
April	4	0	0	0	7	7	12	0	0	29	1	0	4.3	6.7	82.0	2	63.5	2,4,11	76.9	65.3	71.1	18.5	3.6	11.6	1	11	18
May	0	0	1	0	3	10	17	0	0	26	5	0	8.9	7.8	77.2	8	61.0	4,30	72.3	63.4	67.9	14.8	2.7	9.0	0	15	16
June	0	0	2	0	5	8	14	1	0	30	0	0	5.1	7.4	75.5	20	54.5	30	72.5	60.7	66.6	16.7	6.2	11.9	0	2	28
July	0	0	0	0	10	8	12	1	0	27	4	0	7.4	8.5	76.7	22	53.9	1	73.1	58.4	65.7	19.6	8.4	14.7	0	3	28
August	0	0	1	0	14	9	7	0	0	28	3	0	6.9	6.0	74.0	9,21	55.0	16	70	58.6	64.5	18.5	7.1	11.8	0	5	26
September	1	0	11	1	3	8	6	0	0	30	0	0	4.7	7.6	78.4	29	53.0	22,23	72.3	58.1	65.2	21.7	5.1	14.2	2	3	25
October	3	0	8	7	9	0	4	0	0	31	0	0	4.3	9.6	73.0	22	55.2	12	74.7	59.4	67.0	22.2	8.5	15.3	2	3	26
November	11	0	12	5	2	0	0	0	0	29	1	0	5.6	11.2	81.2	16	59.0	9,17,27	77.4	61.9	69.7	21.2	10.6	15.4	2	3	25
December	12	0	10	6	2	0	1	0	0	30	1	0	4.7	8.5	85.4	25	60.5	11	81.3	63.2	72.3	22.7	9.0	18.0	0	1	30
Year	62	5	62	20	56	54	96	10	0	349	16	0	5.0	7.9	89.6	Jan. 25	53.9	Sept 22,23	76.6	61.6	69.2	28.7	2.0	14.8	8	55	302

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT ARUSHA METEOROLOGICAL STATION, 1947.

Lat.: 3° 23'S Long.: 36° 41'E Alt.: 4500 Feet. Standard Time 3h 00m East Reference Number 93.96/01.

Month	Atmospheric Pressure @ h 8.30 ins.	Atmospheric Pressure @ h 14.30 ins.	Temperature Dry Bulb h 8.30 F	Temperature Dry Bulb h 14.30 F	Temperature Dew Point h 8.30 F	Temperature Dew Point h 14.30 F	Vapour Pressure h 8.30 ins.	Vapour Pressure h 14.30 ins.	Saturation Deficit h 8.30 ins.	Saturation Deficit h 14.30 ins.	Relative Humidity h 8.30 %	Relative Humidity h 14.30 %	Total Cloud Amt. M 8.30	Total Cloud Amt. M 14.30	Number of Occasions at 8.30 h of Cloud amounts 0	1-3	4-6	7-9	10	Rainfall Total mm	Rainfall Total ins.	Max. Fall in 24hrs ins.	Date	Number of days of Rain	Number of days of Thun-der.
January	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85.1	3.35	0.84	10	8	-
February	-	-	66.7	79.4	60.8	60.1	.537	.526	.124	.487	81	52	5.9	6.5	3	6	6	2	1	75.1	2.88	1.00	25	12	-
March	-	-	63.5	75.2	62.0	62.0	.561	.564	.074	.319	89	64	8.0	7.3	0	4	1	17	9	131.6	5.18	1.71	25	16	10
April	-	-	64.1	75.1	62.2	62.9	.564	.582	.044	.242	93	71	8.7	7.0	0	3	2	6	19	574.5	22.61	4.13	22	25	2
May	-	-	61.1	67.2	59.5	61.2	.514	.543	.029	.127	94	81	9.6	8.5	0	1	0	3	27	393.7	15.50	2.12	17	28	0
June	-	-	58.4	66.2	56.4	57.4	.458	.475	.035	.175	93	73	9.4	8.1	0	0	1	9	19	76.5	3.01	1.93	2	19	0
July	-	-	58.1	67.7	54.3	55.6	.425	.446	.065	.239	87	65	7.8	5.9	1	4	1	8	15	13.2	0.52	0.21	30	9	0
August	-	-	57.1	65.5	53.3	54.0	.410	.422	.065	.213	87	67	9.2	7.4	0	2	0	6	20	6.9	0.27	0.11	10	9	0
September	-	-	59.2	72.4	55.0	55.0	.457	.457	.071	.366	86	55	7.6	4.3	3	1	3	5	16	16.5	0.65	0.38	8	11	0
October	-	-	61.1	74.9	57.1	56.5	.473	.461	.071	.413	87	53	7.6	3.2	3	4	0	5	19	4.8	0.19	0.10	10	6	0
November	-	-	63.4	75.6	60.2	58.4	.526	.495	.065	.402	89	55	7.6	6.3	1	5	3	4	16	65.5	2.58	0.90	30	14	0
December	-	-	63.6	76.3	60.6	59.2	.535	.508	.059	.407	90	56	7.4	7.4	0	6	2	11	11	80.5	3.17	0.56	29	18	4
Year	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1521.7	59.91	4.13	April 22	175	-

@ 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 8.30 m.p.h	14.30 m.p.h	Extremes of Temperature of the Air. Max.	Date	Min.	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
February	0	0	7	1	4	0	0	0	6	22	0	0	2.5	6.9	86.0	25	51.0	22	82.3	54.5	68.4	33.0	18.0	28.3	0	0	18
March	0	0	17	11	3	0	0	0	10	21	0	0	3.8	8.7	85.0	22	56.0	14	78.8	60.7	69.7	24.0	10.0	18.1	0	7	24
April	0	0	16	21	0	0	0	0	3	27	0	0	6.0	8.3	79.0	1	59.0	5	74.9	61.9	68.4	18.0	4.0	13.1	1	5	24
May	0	0	30	0	0	0	0	0	1	23	7	0	10.1	11.6	75.0	9	56.0	31	69.3	59.5	64.4	15.0	5.0	9.8	10	8	13
June	0	0	26	0	1	0	0	0	0	20	9	0	9.8	8.5	75.0	8	52.0	30	68.4	56.4	62.4	13.0	6.0	11.8	2	7	20
July	0	2	26	0	0	0	0	0	1	16	12	0	12.3	11.9	79.0	9	54.0	9	70.0	55.1	62.5	29.0	11.0	15.9	1	10	18
August	0	0	29	0	0	0	0	0	0	13	15	0	12.5	12.5	73.0	13,26	52.0	16,17	68.1	55.1	61.6	20.0	6.0	12.8	0	12	16
September	0	2	22	0	0	0	0	0	3	18	7	0	8.3	14.1	80.0	12,22	52.0	17	75.2	55.3	65.3	26.0	13.6	20.0	1	7	20
October	0	4	20	0	0	0	0	0	7	19	5	0	7.4	13.4	84.0	16	52.0	3	78.2	57.2	67.7	28.0	13.0	21.0	0	9	22
November	0	2	11	0	0	0	0	0	16	10	3	0	3.4	7.4	86.5	30	-	-	78.7	-	-	-	-	-	0	9	20
December	0	0	7	1	0	0	0	0	21	9	0	0	2.0	6.9	83.9	28	51.8	13,24	78.8	56.2	67.5	29.8	14.2	22.6	1	7	22
Year	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT BUKOBA 2ND ORDER STATION, 1947.

Lat.: 1° 20'S Long.: 31° 49'E Alt.: 3753 feet Standard Time 3h 00m East Reference Number 91.34/02

Month	Atmospheric Pressure @ h 8.30	h 14.30	Temperature Dry Bulb 8.30	14.30	Dew Point 8.30	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 ins.	Max.Fall in 24hrs ins.	Date	Number of Days of Rain	Thunder.
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%								ins.					
January	-	-	67.7	75.3	63.9	66.4	.599	.653	.086	.233	87	74	8.1	7.1	2	1	3	10	15	231.6	9.12	31	20	0
February	-	-	66.7	75.2	63.6	65.4	.594	.632	.067	.251	90	71	8.8	7.0	0	1	3	6	18	262.9	40.35	2.29	28	14	0
March	-	-	68.4	76.7	64.4	68.2	.608	.637	.092	.230	87	75	8.1	6.5	0	1	8	7	15	171.7	6.76	2.43	26	18	0
April	-	-	66.8	74.6	64.0	67.5	.602	.679	.068	.186	91	78	9.3	7.7	0	1	1	6	22	560.3	22.96	2.90	29	29	0
May	-	-	69.5	77.0	64.4	67.8	.608	.685	.121	.251	84	73	9.0	5.9	0	0	2	10	19	436.9	47.20	4.56	18	19	0
June	-	-	71.0	77.5	64.0	66.9	.602	.667	.166	.287	79	70	6.1	3.5	3	9	8	11	5	117.3	4.62	1.75	2	6	1
July	-	-	68.0	75.0	61.5	64.0	.552	.602	.139	.275	80	69	6.2	5.1	1	7	7	6	10	62.0	2.44	0.83	26,27	7	0
August	-	-	69.0	76.4	63.2	65.4	.585	.632	.130	.286	82	69	7.3	4.6	0	5	6	7	13	65.3	2.57	0.96	30	10	1
September	-	-	68.6	76.2	63.3	65.6	.588	.638	.118	.215	83	75	7.2	6.8	0	3	10	7	10	178.3	7.02	1.48	5	17	5
October	-	-	69.4	76.6	64.5	66.6	.611	.659	.115	.265	85	71	8.4	5.8	0	2	3	10	16	187.2	7.37	1.20	11	17	3
November	-	-	71.2	79.0	64.7	66.5	.617	.656	.154	.345	80	66	7.3	5.3	2	0	2	9	17	168.9	6.65	1.98	10	13	1
December	-	-	69.5	75.4	64.0	65.8	.602	.641	.127	.248	83	72	7.3	6.5	0	3	10	9	9	234.2	9.22	1.57	30	20	0
Year	-	-	68.8	76.1	63.8	66.3	.597	.653	.115	.256	84	72	7.6	6.0	8	27	70	98	162	2676.6	105.38	4.56	May 10	190	11

@ 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	Calm	Frequency of Wind Force at 8.30h. 1-3	4-6	> 7	Mean Wind Velocity h 8.30	h 14.30	Extremes of Temperature of the Air Max.	Date	Min.	Date	Mean Max.	Mean Min.	Mean Max. - Mean Min.	Range 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.	F.			
January	0	0	5	10	2	0	0	2	22	6	3	0	2.7	4.0	85.0	often	58.0	1, 9	80.1	60.3	70.2	26.0	9.5	19.8	0	1	30
February	1	0	5	10	0	1	0	2	19	7	2	0	3.4	3.8	84.0	5,10	57.0	7, 8	79.5	59.9	69.7	26.0	11.0	19.7	0	2	28
March	0	0	4	10	2	4	2	0	19	12	0	0	1.8	4.5	84.5	17	57.0	29	79.8	60.5	70.1	26.0	9.0	19.2	0	0	31
April	0	0	2	10	4	2	0	0	22	7	1	0	1.8	3.1	81.0	13	58.0	27	77.8	60.4	69.1	22.0	11.0	17.4	0	0	30
May	0	0	0	1	25	0	0	0	5	17	9	0	7.8	7.8	86.0	20	59.0	often	78.8	61.1	69.9	24.0	13.0	17.7	0	1	30
June	0	0	9	5	15	0	0	0	3	20	7	0	9.2	6.9	82.0	1	55.0	23	79.0	60.9	69.9	26.1	10.0	18.1	0	1	29
July	0	0	2	1	11	0	0	0	17	13	1	0	2.5	4.7	82.0	often	56.0	4	78.9	59.6	69.3	23.8	12.0	19.3	0	0	31
August	0	0	7	10	9	0	0	0	15	8	8	0	6.5	6.7	83.0	26	56.0	7,16	78.4	59.4	68.9	23.8	11.0	18.9	0	0	31
September	0	0	2	10	4	0	0	0	24	6	0	0	0.9	3.6	82.0	20	56.2	15	78.7	60.4	69.5	22.9	9.0	19.3	0	2	28
October	0	0	1	0	5	0	0	0	25	5	1	0	1.6	4.3	83.0	15,16	56.2	6	80.3	61.0	70.7	24.9	13.2	19.3	0	0	31
November	0	0	6	1	8	0	0	0	15	13	2	0	3.4	4.3	83.8	3,24	58.9	10,21	81.3	62.2	71.7	23.3	12.0	19.1	0	0	30
December	0	0	0	1	10	0	0	1	19	12	0	0	1.6	3.1	82.7	29	56.9	8	79.3	60.1	69.7	23.0	10.0	19.1	0	0	31
Year	1	0	43	9	93	7	2	5	205	126	34	0	3.6	4.7	86.0	May 20	55.0	June 23	79.3	60.5	69.9	26.1	9.0	18.8	0	5	360

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT CHUNYA; 1947.

Lat.: 8° 32'S Long.: 33° 26'E Alt.: 4900 feet Standard Time 3h 00m East Reference Number 98.33/02.

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		Thun-	
	h 8.30	h 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	h 8.30	h 14.30	h 8.30	h 14.30	0	1-3	4-6	7-9	10	ms.	ins.	in 24hrs	Date	Rain	der.
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%										ins.			
January	-	-	65.0	74.2	60.6	62.1	.535	.561	.088	.292	85	66	8.9	8.6	0	3	1	3	24	243.8	9.60	1.53	17	23	4
February	-	-	66.1	73.9	61.0	59.0	.540	.505	.107	.340	83	60	7.2	8.1	2	1	0	5	11	131.5	5.17	1.08	15	18	2
March	-	-	64.9	75.7	59.9	59.9	.523	.523	.097	.375	84	58	6.4	7.7	0	9	5	8	0	123.2	4.85	1.60	16	16	3
April	-	-	64.0	76.2	59.2	59.3	.508	.508	.094	.405	85	56	4.5	7.6	0	17	4	4	5	168.7	6.64	2.10	3	9	3
May	-	-	61.3	77.0	55.4	57.4	.443	.475	.103	.461	81	51	5.3	6.0	3	19	4	2	3	11.9	0.47	0.48	5	3	0
June	-	-	59.7	74.9	51.7	51.5	.387	.384	.133	.490	75	44	2.8	4.8	6	16	4	2	2	3.6	0.14	0.14	1	1	0
July	-	-	58.5	75.0	46.7	50.9	.310	.375	.186	.502	63	43	0.9	2.9	16	14	1	0	0	0.0	0.00	0.00	-	0	0
August	-	-	62.0	79.7	48.8	48.2	.269	.272	.254	.596	52	31	1.6	2.5	19	8	0	4	0	0.0	0.00	0.00	-	0	0
September	-	-	62.1	79.4	45.6	48.8	.310	.348	.263	.668	54	34	1.4	2.3	18	9	0	3	0*	0.0	0.00	0.00	-	0	0
October	-	-	65.2	81.0	52.5	51.0	.396	.378	.233	.691	63	35	2.5	3.2	7	20	2	2	0	0.8	0.03	0.03	28	1	0
November	-	-	67.5	82.8	54.6	51.0	.431	.378	.248	.756	64	33	2.7	2.7	5	17	5	2	1	24.1	0.95	0.39	27	5	1
December	-	-	67.7	79.1	58.5	55.7	.496	.449	.189	.555	72	45	4.0	4.6	2	11	10	0	3	174.8	6.88	2.22	3	11	5
Year	-	-	63.7	77.0	53.9	54.1	.429	.430	.166	.511	72	46	3.9	5.1	78	144	45	35	57	882.2	34.73	2.22	Dec. 3	87	18

@ 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.	Max Range	Min Range	Mean	Fog	Mist	Good Vis.
													m.p.h.	m.p.h.	F.		F.		F.	F.	F.	F.	F.			
January	0	0	16	0	2	0	11	0	2	29	0	0	3.1	5.4	84.0	2	58.0	9,12,13	77.7	61.8	69.7	23.0	6.0	15.9	0	14	17
February	0	0	17	0	1	0	10	0	0	28	0	0	2.9	5.1	84.8	24	60.0	24,26,27	78.6	62.3	70.5	24.0	9.0	16.4	0	8	20
March	0	0	20	0	0	0	10	0	0	30	0	0	4.9	8.7	83.0	16,19	59.0	6, 9	78.5	61.2	69.9	23.0	9.0	17.4	0	14	16
April	0	0	26	0	0	4	0	0	0	15	15	0	10.5	11.4	81.0	10	58.0	5,15,18	78.5	60.4	69.5	23.0	11.0	18.2	0	5	25
May	0	0	30	0	0	0	1	0	0	16	16	0	12.3	11.9	81.0	12,30	58.0	16	78.3	56.1	67.2	28.0	15.0	22.1	0	25	6
June	0	0	26	0	0	0	4	0	0	27	3	0	9.4	8.3	81.0	15,23	56.0	often	77.2	54.7	65.9	29.0	11.0	22.5	0	29	1
July	0	0	27	0	0	0	4	0	0	24	5	0	9.6	7.4	84.0	14	54.0	18	79.0	54.1	66.5	32.0	19.0	24.5	0	23	8
August	0	0	22	5	0	0	4	0	0	21	10	0	11.4	7.2	83.0	11	50.0	3	78.2	54.6	66.4	28.2	19.0	23.6	0	28	3
September	1	0	20	6	3	0	0	1	18	11	0	0	12.5	8.9	87.0	23	52.0	7	82.2	58.1	70.1	30.0	21.0	24.1	0	26	4
October	0	0	12	10	5	0	2	0	2	21	8	0	11.6	7.4	88.0	17,18	58.7	6	83.9	61.7	72.8	26.0	17.0	22.2	0	19	12
November	0	0	13	7	3	0	1	0	6	17	7	0	9.2	5.6	88.5	17	61.5	2	84.7	63.9	74.3	25.5	11.1	20.8	0	22	8
December	0	0	14	5	0	0	1	0	6	19	1	0	4.9	6.3	84.2	20	59.0	7	81.4	62.5	71.9	22.0	14.3	18.4	0	14	12
Year	0	0	247	35	17	0	41	0	13	264	76	0	8.5	8.0	88.5	Nov. 17	47.0	July 18	79.9	59.3	69.6	32.0	6.0	20.6	0	227	138

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT DAR-ES-SALAAM, 1947.

Lat.: 6° 50'S Long.: 39° 18'E Alt.: 47 feet Standard Time 3h 00m East Reference Number 96.39/18.

Month	Atmospheric Pressure @ h 8.30	Atmospheric Pressure @ h 14.30	Temperature Dry Bulb h 8.30	Temperature Dry Bulb h 14.30	Temperature Dew Point h 8.30	Temperature Dew Point h 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 mm.	Rainfall Max.Fall in 24hrs. ins.	Rainfall Date	Number of Days of Rain	Number of Days of Thun-der.
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%									ins.			
January	29.813	29.725	81.7	84.7	75.9	76.3	.904	.915	.189	.290	83	76	8.6	7.5	0	0	2	18	11	54.1	2.13	1.23	29	10	8
February	29.819	29.737	81.6	85.2	75.7	76.3	.898	.915	.192	.308	82	75	7.5	6.3	0	1	8	15	4	22.9	0.98	0.51	6	5	4
March	29.837	29.754	80.3	85.2	76.2	76.8	.913	.930	.132	.319	87	75	6.7	7.3	0	5	11	8	7	57.3	2.28	0.72	22	14	15
April	29.849	29.772	77.0	82.5	74.5	75.4	.862	.886	.074	.236	92	79	8.1	8.7	0	0	8	14	8	588.8	23.18	5.29	18	25	14
May	29.926	29.855	75.3	82.1	72.0	72.1	.791	.794	.095	.313	89	72	7.5	8.3	0	5	2	17	7	366.0	14.41	3.12	18	15	0
June	29.997	29.920	73.9	83.2	69.9	68.9	.738	.712	.107	.437	87	62	5.9	6.9	0	4	15	10	1	7.4	0.29	0.10	19	8	0
July	29.988	29.911	71.9	83.3	67.6	66.7	.682	.661	.098	.491	88	57	4.2	6.2	0	14	13	4	0	4.3	0.17	0.05	30	6	0
August	30.034	29.958	72.1	81.5	68.4	66.6	.703	.661	.091	.426	88	61	5.8	7.1	0	7	10	12	2	17.3	0.68	0.27	3	13	0
September	30.002	29.920	74.7	81.0	69.9	68.5	.738	.703	.130	.366	85	66	5.8	6.5	0	8	10	8	4	61.5	2.42	0.98	29	10	0
October	29.985	29.890	78.2	82.2	71.4	69.5	.777	.726	.138	.384	80	65	5.7	6.4	0	2	19	10	0	13.0	0.51	0.23	7	7	0
November	29.899	29.810	80.2	83.3	73.8	72.5	.842	.806	.200	.346	81	70	7.6	6.6	0	1	6	22	1	116.1	4.57	1.85	20	10	6
December	29.846	29.769	81.2	84.3	75.6	75.2	.895	.883	.180	.304	83	74	6.5	4.7	0	2	14	15	0	52.3	2.06	0.34	13	16	2
Year	29.916	29.835	77.3	83.3	72.6	72.1	.812	.799	.141	.352	85	69	6.7	6.7	0	49	118	153	45	1361.6	53.60	5.29	Apr. 18	139	44

@ 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 Max.	Range Min.	Range Mean	Frequency of Visibility at 8.30 Fog	Mist	Good Vis.
January	6	12	0	0	0	1	5	7	14	10	0	8.1	10.1	88.4	21	71.1	30	86.4	78.2	82.3	13.5	4.8	8.2	0	1	30
February	4	14	0	0	0	2	0	2	6	15	7	0	7.4	11.2	88.1	23	72.0	17	86.2	77.8	82.0	15.8	5.0	8.4	0	0	28
March	2	3	0	0	1	10	0	1	14	15	2	0	2.5	9.2	85.5	31	71.1	13	88.0	74.9	81.5	20.9	4.2	13.1	0	1	30
April	1	0	0	0	0	24	1	0	4	26	0	0	2.7	4.9	90.0	9	71.4	19	84.9	73.7	79.3	17.0	3.3	11.2	0	2	28
May	0	0	0	1	1	29	0	0	0	30	1	0	4.9	7.8	89.5	1	68.7	24	84.0	71.4	77.7	16.8	2.0	12.6	0	4	27
June	0	0	0	1	5	24	0	0	0	30	0	0	4.9	8.7	87.5	7	62.6	30	85.1	68.8	76.9	23.1	10.3	16.2	0	0	30
July	0	0	0	0	5	26	0	0	0	31	0	0	5.1	11.4	86.7	23	61.5	18	84.7	65.8	75.3	22.7	13.3	18.9	0	0	31
August	0	0	0	2	2	28	0	0	1	30	0	0	6.0	11.4	87.2	9	61.6	16	83.9	66.5	75.2	22.1	9.7	17.4	0	0	31
September	0	0	1	3	5	14	0	0	7	23	0	0	3.1	14.1	86.8	14	64.0	28	83.7	67.5	75.6	22.0	7.8	16.2	0	1	29
October	0	3	1	9	4	3	0	1	10	21	0	0	2.7	12.8	85.8	23	65.2	16	83.8	68.2	76.0	19.0	9.3	15.6	0	0	31
November	1	4	5	1	0	2	0	0	17	13	0	0	2.2	8.7	87.2	15	69.0	4	85.1	72.3	78.7	17.0	6.2	12.8	0	1	29
December	5	12	0	0	0	0	0	0	14	17	0	0	3.8	7.4	87.1	26	72.0	4,27	85.7	76.4	81.1	14.6	5.5	9.3	0	0	31
Year	19	48	7	15	23	162	2	9	80	265	20	0	4.5	9.8	95.5	May 31	61.5	July 18	85.1	71.8	78.5	23.1	2.0	13.3	0	10	355

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT DODOMA METEOROLOGICAL STATION, 1947.

Lat.: 6° 10'S Long.: 35° 46'E Alt.: 3675 feet Standard Time 3h 00m East Reference Number 96.35/01.

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	
	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	ms.	Ins.	in 24hrs	Date	Rain	der.
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%										ins.			
January	26.270	26.175	68.6	80.8	64.0	63.1	.602	.585	.104	.478	85	56	8.6	7.6	0	2	2	13	14	417.1	16.42	2.86	16	20	16
February	26.271	26.187	69.0	81.5	64.6	64.9	.614	.620	.101	.467	86	57	7.5	6.5	0	4	4	13	7	125.7	4.95	1.24	10	13	16
March	26.296	26.211	68.5	81.1	64.9	64.7	.620	.617	.086	.455	88	57	7.8	6.5	0	3	3	22	3	122.4	4.82	1.74	24	8	16
April	26.302	26.229	68.1	79.7	64.4	63.9	.611	.599	.083	.426	88	59	8.2	7.7	0	0	5	21	4	180.1	7.09	3.04	4	16	5
May	26.341	26.288	65.7	77.5	60.8	59.7	.537	.517	.104	.437	84	54	6.5	7.5	0	8	4	16	3	9.7	0.38	0.28	9	5	0
June	26.388	26.320	63.1	77.3	57.4	55.4	.478	.443	.107	.502	82	47	5.9	6.1	1	8	6	12	3	21.6	0.85	0.45	2	2	1
July	26.361	26.291	62.5	78.5	55.0	52.5	.437	.399	.136	.587	77	40	4.7	4.3	3	11	7	10	0	0.0	0.00	0.00	-	0	0
August	26.397	26.323	62.1	77.2	54.5	51.1	.428	.378	.136	.564	76	40	4.3	5.8	2	14	4	11	0	0.5	0.02	0.02	10	1	0
September	26.367	26.261	65.1	81.6	56.0	51.7	.452	.390	.174	.700	72	36	3.3	3.9	2	17	6	5	0	0.0	0.00	0.00	-	0	0
October	26.353	26.284	67.6	85.2	57.1	51.7	.473	.387	.209	.836	69	32	4.7	3.7	1	13	6	10	1	0.0	0.00	0.00	-	0	0
November	26.302	26.190	69.9	86.6	59.2	53.1	.508	.408	.230	.868	69	32	7.1	6.8	0	6	3	20	1	12.7	0.50	0.49	29	2	1
December	26.252	26.166	69.1	81.8	62.5	59.8	.570	.520	.148	.576	79	48	5.9	6.4	0	8	9	10	4	193.0	7.60	3.23	25	10	9
Year	26.325	26.240	66.6	80.7	60.0	57.6	.527	.489	.135	.575	80	47	6.2	6.1	9	94	59	163	40	1082.8	42.63	3.23	Dec. 25	77	64

@ 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	h					Mean	Mean	Mean	Range			Good
													8.30	14.30	Max.	Date	Min.	Date	Max.	Min.	Max.	Max.	Min.	Mean	Fog	Mist	Vis.
													m.p.h.	m.p.h.	F.		F.		F.	F.	F.	F.	F.	F.			
January	2	5	12	8	0	1	1	2	0	31	0	0	4.5	4.3	92.2	7	61.4	13	83.6	64.9	74.3	26.4	9.0	18.7	1	2	28
February	0	8	12	5	0	2	0	1	0	28	0	0	4.9	4.9	90.0	24	62.3	23	84.5	64.9	74.7	26.9	10.9	19.5	0	1	27
March	1	3	18	2	1	0	0	2	4	27	0	0	5.1	5.4	87.0	18	61.0	14	83.4	64.3	73.9	24.8	11.0	19.0	0	1	30
April	0	0	26	1	0	1	1	0	1	29	0	0	4.9	5.4	86.0	1	60.9	26	82.2	63.8	73.0	23.3	9.2	18.4	0	0	30
May	0	1	27	3	0	0	0	0	0	31	0	0	6.9	7.4	85.6	30	52.3	26	79.6	60.3	69.9	29.0	11.8	19.3	0	0	31
June	1	0	29	0	0	0	0	0	0	29	1	0	7.4	5.8	83.4	7	49.9	28	79.7	57.3	68.5	30.1	6.0	22.4	0	1	29
July	0	1	28	2	0	0	0	0	0	25	6	0	8.9	7.2	84.7	14	51.2	1	80.8	56.2	68.5	30.6	19.3	24.6	0	0	31
August	0	0	30	1	0	0	0	0	0	20	11	0	10.7	11.9	82.8	26	51.2	16	79.4	56.1	67.7	28.4	9.7	23.3	0	0	31
September	0	0	30	0	0	0	0	0	0	9	21	0	13.4	12.3	89.1	12	56.3	22	83.6	59.0	71.3	31.4	14.8	24.6	0	0	30
October	0	0	31	0	0	0	0	0	0	11	20	0	13.2	12.4	92.8	16	58.0	6	86.9	61.0	73.9	31.8	20.7	25.9	0	0	31
November	0	1	28	0	1	0	0	0	0	10	20	0	13.4	15.2	92.4	17,29	61.0	1,23	88.8	63.6	76.2	29.6	16.7	25.2	0	0	30
December	0	0	23	0	1	0	2	0	5	20	6	0	8.3	8.7	88.5	21	60.8	5	84.4	64.2	74.3	25.2	7.2	20.2	0	1	30
Year	4	19	294	22	2	4	5	5	10	270	85	0	8.5	8.4	92.8	Oct. 16	49.9	June 28	83.1	61.3	72.3	31.4	6.0	21.8	1	6	358

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT KIGOMA METEOROLOGICAL STATION, 1947.

Lat.: 4° 53'S Long.: 29° 38'E Alt.: 2903 feet Standard Time 3h 00m East Reference Number 94.29/04.

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			Thun-	
	h	h	h	h	h	h	h	h	h	h	%	%	8	8	0	1-3	4-6	7-9	10	ins.	ins.	in 24hrs	Date	Rain	der.	
	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								ins.				
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%														
January	26.973	26.917	70.3	77.1	65.8	68.0	.641	.691	.106	.248	86	73	8.9	7.6	0	2	1	8	20	97.3	3.83	0.90	13	16	28	
February	26.971	26.982	70.8	78.6	66.3	68.7	.653	.709	.109	.280	85	71	7.4	6.9	0	7	0	9	12	79.0	3.11	1.09	6	13	27	
March	26.993	26.940	71.1	78.7	66.4	68.4	.656	.703	.115	.286	85	71	8.0	7.0	0	2	6	12	11	155.4	6.12	1.80	12	17	29	
April	26.993	26.946	70.1	76.7	66.4	68.8	.653	.709	.091	.218	88	76	8.1	7.5	0	5	2	7	16	229.9	9.05	1.75	19	21	25	
May	27.014	26.973	69.8	78.8	63.9	66.0	.599	.644	.139	.384	82	63	6.9	6.8	0	6	3	18	4	33.0	1.30	0.45	5	10	8	
June	27.052	27.011	68.5	79.8	61.8	63.3	.558	.588	.148	.440	79	57	4.7	3.4	0	13	6	9	2	6.3	0.25	0.16	15	3	6	
July	27.026	26.984	68.4	79.7	61.5	62.7	.552	.576	.151	.449	79	56	6.0	2.7	0	7	9	12	3	29.0	1.14	0.68	27	2	12	
August	27.052	26.933	68.4	81.0	54.8	68.4	.434	.493	.266	.576	62	46	4.6	2.5	0	16	4	7	4	0.0	0.00	0.00	-	0	0	
September	27.023	26.949	75.6	81.5	58.5	64.4	.499	.611	.310	.476	62	57	6.4	5.2	0	7	7	11	5	4.6	0.18	0.17	21	2	14	
October	27.005	26.928	73.2	80.1	63.6	66.6	.594	.661	.230	.376	72	64	8.2	7.5	0	2	3	20	6	22.4	0.88	0.41	30	4	17	
November	26.976	26.905	71.5	79.4	65.1	66.9	.626	.664	.154	.352	80	66	8.7	8.2	0	0	5	10	15	78.0	3.07	1.20	27	17	20	
December	26.973	26.908	69.9	77.8	65.6	68.1	.635	.694	.103	.269	86	72	8.2	7.2	0	2	3	17	9	182.1	7.17	1.62	30	25	25	
																							March			
Year	27.004	26.948	70.6	79.2	63.3	65.9	.592	.645	.160	.363	79	64	7.2	6.0	0	69	49	140	107	917.0	36.10	1.80	12	130	211	

@ At station levels 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	8.30	14.30	Max	Date	Min.	Date	Mean Max.	Mean Min.	Max Range	Min.	Mean	Fog.	Mist	Good Vis.
													m.p.h.	m.p.h.	F.		F.		F.	F.	F.	F.	F.			
January	0	1	13	14	3	0	0	0	0	28	3	0	6.7	9.8	82.9	27	62.5	3	80.2	67.2	73.7	17.6	7.8	13.0	0	0	31
February	1	0	7	15	2	0	1	2	0	25	3	0	7.4	9.6	84.7	26	62.0	23	81.4	67.4	74.4	19.3	10.2	14.0	0	0	28
March	0	3	10	16	0	0	1	1	0	30	1	0	6.9	8.9	84.9	8,18	62.0	30	81.5	67.1	74.3	20.2	7.9	14.4	0	1	30
April	2	0	15	12	0	0	1	0	0	29	1	0	7.2	12.1	84.0	10	64.3	4	80.1	66.8	73.5	17.6	5.3	13.3	0	0	30
May	0	0	20	11	0	0	0	0	0	23	8	0	10.3	9.6	86.2	28	62.0	26	83.3	66.2	74.7	22.4	10.4	17.1	0	0	31
June	0	1	12	17	0	0	0	0	0	25	5	0	9.8	14.1	86.2	9	60.0	29	82.7	64.0	73.3	24.5	9.4	16.7	0	0	30
July	0	3	8	18	0	0	0	0	1	23	7	0	8.9	13.4	87.4	11	57.3	17	82.0	64.6	73.3	24.7	5.9	14.4	0	1	30
August	0	1	20	10	0	0	0	0	0	11	20	0	15.9	14.8	87.3	26,28	58.5	4	84.3	63.5	73.9	26.6	15.0	20.8	0	0	31
September	0	1	14	15	0	0	0	0	0	18	12	0	12.1	14.5	90.3	14,18	61.3	30	86.0	67.4	76.7	25.1	10.9	18.6	0	0	30
October	0	4	14	11	1	0	0	1	0	20	11	0	12.5	12.5	89.2	8	64.1	1	85.8	68.7	76.3	21.7	9.2	15.1	0	0	31
November	0	0	11	15	0	1	2	1	0	25	5	0	9.6	13.0	89.6	1	62.3	28	82.0	67.8	74.9	22.6	10.3	14.3	0	0	30
December	0	6	9	12	1	1	2	0	0	26	5	0	9.4	11.9	83.3	22	63.8	10	79.6	66.1	72.9	17.3	9.0	13.5	1	2	28
																			Sept.							
Year	3	20	153	166	7	2	7	6	1	283	81	0	9.7	11.9	90.3	14,18	57.5	July 17	82.2	66.4	74.3	26.6	5.3	15.8	1	4	360

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT IRINGA 2ND ORDER STATION, 1947.

Lat.: 7° 47'S Long.: 35° 42'E Alt.: 5330 feet Standard Time 3h 00m East Reference Number 97.35/00.

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			Thun-
	h 8.30	h 14.30	8.30	14.30	8.30	14.30	8.30	14.30	h 8.30	h 14.30	8.30	14.30	h 8.30	h 14.30	0	1-3	4-6	7-9	10	mm.	ins.	in 24hrs	Date	Rain	der.
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%										ins.			
January	24.749	24.663	62.2	73.7	60.1	60.6	.523	.535	.041	.304	92	69	6.3	7.9	0	7	8	7	9	271.5	10.69	1.69	14	22	0
February	24.749	24.672	61.4	72.5	59.1	62.0	.505	.561	.044	.245	91	69	5.3	7.5	0	10	8	4	6	90.9	3.58	0.71	7	19	0
March	24.749	24.672	63.0	73.5	59.2	63.0	.508	.582	.074	.251	88	70	5.9	7.2	0	12	3	12	4	168.9	6.65	1.25	22	20	0
April	24.761	24.678	63.0	74.3	58.3	63.9	.490	.597	.092	.259	84	70	5.4	7.7	0	7	16	5	2	154.2	6.07	1.03	29	18	0
May	24.787	24.720	60.3	74.9	53.9	61.9	.419	.558	.110	.316	80	64	5.5	7.3	0	13	6	9	3	16.8	0.66	0.46	30	5	0
June	24.802	24.731	57.7	77.9	50.6	59.2	.372	.508	.109	.458	77	53	3.7	6.8	0	20	5	2	3	18.8	0.74	0.61	1	3	0
July	24.796	24.717	56.0	80.5	48.9	59.4	.348	.511	.104	.540	77	48	1.9	4.9	0	30	1	0	0	0.0	0.00	0.00	-	0	0
August	24.790	24.730	57.8	78.7	48.9	51.3	.348	.384	.136	.328	72	47	3.5	5.3	4	16	6	5	0	0.0	0.00	0.00	-	0	0
September	24.841	24.784	61.3	73.4	50.6	48.9	.372	.348	.177	.485	68	42	2.3	5.8	11	12	4	3	0	0.5	0.02	0.02	19	1	0
October	24.838	24.773	66.2	76.9	51.1	49.9	.378	.363	.272	.570	58	39	2.7	6.8	5	20	4	2	0	0.0	0.00	0.00	-	0	0
November	24.799	24.725	68.4	79.5	53.4	50.6	.410	.372	.293	.644	59	36	5.7	7.6	1	6	11	11	1	63.2	2.49	1.25	29	4	0
December	24.773	24.714	65.6	73.1	57.5	57.7	.478	.481	.160	.343	75	60	6.0	8.1	1	5	13	5	7	139.7	5.50	1.83	5	17	0
Year	24.791	24.720	61.9	75.2	54.3	57.4	.429	.483	.134	.404	77	55	4.5	6.9	22	158	85	65	35	924.5	36.40	1.83	Dec. 5	109	0

@ 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 Min.	Range Mean	Fog	Mist	Good Vis.
													m.p.h.	m.p.h.	F.		F.		F.	F.	F.	F.	F.			
January	0	2	0	10	0	13	0	6	0	31	0	0	2.0	3.1	82.1	2	57.0	24	76.0	59.1	67.5	23.5	9.8	16.9	0	0	31
February	0	3	0	12	0	8	0	5	0	28	0	0	2.2	3.1	82.8	24	54.5	23	76.1	58.7	67.4	27.1	9.9	17.4	0	0	28
March	0	3	0	12	0	16	0	0	0	31	0	0	2.0	3.8	80.5	15	55.8	14	75.6	58.9	67.3	23.7	7.5	16.7	0	0	31
April	0	0	0	10	0	17	0	3	0	30	0	0	1.3	3.1	78.8	28	56.3	2	75.5	59.6	67.5	20.4	11.2	15.9	0	0	30
May	0	1	0	14	0	16	0	0	0	31	0	0	5.1	2.7	-	-	53.8	30	-	57.0	-	-	-	-	0	0	31
June	0	3	0	13	0	13	0	1	0	30	0	0	4.3	2.5	86.9	15	46.5	30	77.9	53.9	65.9	35.4	5.4	24.0	0	0	30
July	0	2	0	14	0	14	0	1	0	31	0	0	5.4	2.9	-	-	46.0	9	-	51.5	-	-	-	-	0	0	31
August	0	0	0	21	2	7	0	1	1	22	8	0	8.5	4.7	74.2	26	48.1	17	70.9	53.4	62.1	19.9	13.1	17.2	0	0	31
September	0	0	2	14	0	0	0	0	14	11	5	0	4.5	5.4	82.2	11	49.4	10	75.6	53.8	64.7	30.8	14.2	21.8	0	0	30
October	0	0	3	16	1	0	0	0	11	20	0	0	2.5	3.6	84.4	15	52.0	2	79.1	55.9	67.5	30.4	16.2	23.3	0	0	31
November	0	1	0	11	0	0	0	0	18	11	1	0	1.6	2.9	84.0	often	55.0	often	81.9	57.8	69.9	29.0	18.0	24.1	0	0	30
December	0	0	0	8	0	0	0	1	22	9	0	0	0.9	4.0	81.0	9	54.7	27	76.3	58.1	67.2	23.8	6.4	18.1	0	0	31
Year	0	15	5	155	3	104	0	17	66	285	14	0	3.6	3.5	-	-	46.0	July 9	-	-	-	-	-	-	0	0	365

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT KILWA METEOROLOGICAL STATION, 1947

Lat.: 8°45'S Long.: 39°25'E Alt.: 30ft. Standard time 3h 00m East. Ref. No. 98.39/00.

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 24 hrs	Date	Rain	der.
	ins	ins	F	F	F	F	ins	ins	ins	ins	%	%										ins.			
January	-	-	81.7	85.9	78.8	81.1	.932	1.009	.104	.183	91	80	5.1	4.9	0	5	20	6	0	146.0	5.75	1.73	22	8	0
February	-	-	80.2	86.3	77.4	80.2	.945	1.039	.097	.228	91	82	4.5	4.3	0	6	19	3	0	84.1	3.31	1.15	7	10	0
March	-	-	80.5	84.9	76.5	78.4	.918	.980	.133	.231	87	81	5.6	4.9	0	16	15	0	0	155.2	6.11	1.71	21	13	0
April	-	-	79.1	84.6	76.1	76.1	.907	.907	.094	.292	90	75	6.3	6.1	0	7	8	14	1	270.0	10.63	2.60	11	17	0
May	-	-	77.9	83.9	71.4	72.7	.777	.812	.189	.360	81	69	5.1	5.3	2	12	3	13	1	120.4	4.74	2.50	8	7	0
June	-	-	76.3	84.5	69.9	68.9	.738	.715	.177	.481	81	60	5.6	4.1	6	14	4	5	1	2.0	0.08	0.08	20	1	0
July	-	-	74.5	83.8	67.7	68.7	.685	.709	.177	.460	80	61	3.0	2.4	7	16	3	5	0	0.8	0.03	0.03	25	1	0
August	-	-	77.7	81.9	71.4	73.1	.777	.824	.183	.275	81	75	4.3	4.0	2	14	8	5	2	1.3	0.05	0.05	15	1	0
September	-	-	79.1	81.3	73.8	76.0	.842	.907	.162	.171	84	84	5.8	4.4	0	9	9	8	4	28.2	1.11	0.45	30	6	0
October	-	-	81.0	83.0	78.1	78.8	.972	.935	.097	.145	91	88	6.6	3.9	0	2	11	17	1	15.5	0.61	0.19	21	6	0
November	-	-	82.5	84.2	79.5	80.4	1.016	1.045	.106	.139	90	88	6.6	5.7	0	2	13	15	0	55.4	2.18	1.25	22	9	0
December	-	-	82.5	85.1	80.4	82.4	1.048	1.116	.074	.104	94	91	7.3	5.7	0	0	11	18	2	75.9	2.99	0.88	28	10	0
Year	-	-	79.4	84.1	75.1	76.4	.885	.927	.133	.256	87	78	5.1	4.6	17	103	124	109	12	954.8	37.59	2.60	Apr. 11	89	0

@ At Station Levels: 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	Range Max	Range Min	Range Mean	Fog	Mist	Good Vis
													m.p.h	m.p.h	F		F		F	F	F	F	F			
January	0	0	26	0	0	0	0	0	5	25	1	0	4.7	8.5	-	-	71.6	23	-	-	-	-	-	1	2	28
February	0	2	22	1	0	0	0	0	3	25	0	0	3.8	9.2	-	-	64.6	10	-	-	-	-	-	0	1	27
March	0	1	6	1	1	0	0	0	22	8	1	0	2.0	7.8	-	-	72.1	5	-	-	-	-	-	0	1	30
April	0	0	1	5	17	0	0	0	7	21	2	0	4.9	8.7	-	-	73.4	20,21	-	-	-	-	-	3	5	22
May	0	0	0	1	30	0	0	0	0	23	8	0	9.2	9.6	-	-	69.6	23	-	-	-	-	-	1	2	28
June	0	0	0	0	30	0	0	0	0	30	0	0	6.5	7.6	-	-	60.4	29,30	-	-	-	-	-	0	0	30
July	0	0	0	4	27	0	0	0	0	24	7	0	8.3	7.8	-	-	60.0	17	-	-	-	-	-	0	0	31
August	0	0	0	5	26	0	0	0	0	25	6	0	10.1	11.0	-	-	53.8	12	-	-	-	-	-	0	0	31
September	0	0	1	15	14	0	0	0	0	28	2	0	6.5	8.5	-	-	57.0	1, 4, 17	-	-	-	-	-	0	0	30
October	0	0	23	7	1	0	0	0	0	30	1	0	7.4	9.6	-	-	59.0	1,12	-	-	-	-	-	0	0	31
November	0	10	20	0	0	0	0	0	0	27	3	0	7.6	7.8	-	-	62.6	16,23	-	-	-	-	-	0	0	30
December	0	9	22	0	0	0	0	0	0	28	3	0	6.0	7.8	-	-	64.0	1	-	-	-	-	-	0	0	31
Year	0	22	121	39	146	0	0	0	37	294	34	0	6.4	8.7	-	-	53.8	June 12	-	68.8	-	-	-	5	11	349

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT KONDOA 2ND ORDER STATION 1947.

Lat.: 4° 55'S Long.: 35° 47'E Alt.: 4547 feet Standard Time 3h 00m East Reference Number 94.35/01

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	
	8h30	14h30	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	0	1-3	4-6	7-9	10	ms.	ins.	in 24hrs	Date	Rain	der.
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%										ins.			
January	25.484	25.384	67.3	80.9	62.4	60.8	.570	.557	.106	.529	85	51	7.6	6.9	0	7	3	7	14	210.6	8.29	1.76	15	13	2
February	25.487	25.393	67.0	81.4	62.0	60.6	.561	.535	.106	.546	84	49	5.3	5.8	0	9	9	6	3	135.5	5.25	0.97	26	11	8
March	25.511	25.422	67.1	79.5	61.8	61.5	.561	.552	.109	.464	84	54	6.8	6.5	0	5	9	11	6	135.4	5.33	1.50	24	9	6
April	25.517	25.434	66.7	75.8	61.7	62.6	.558	.573	.103	.328	84	64	6.8	7.3	0	5	8	11	6	205.2	8.08	1.19	29	14	1
May	25.555	25.487	63.9	73.1	58.8	61.0	.499	.540	.100	.284	83	66	6.4	7.3	0	6	9	9	6	74.7	2.94	1.12	9	8	1
June	25.591	25.529	61.2	74.6	55.9	55.9	.452	.452	.094	.413	85	52	5.1	5.5	0	15	3	6	6	46.7	1.84	1.47	2	3	0
July	25.562	25.496	59.7	76.2	54.5	55.9	.428	.452	.092	.461	85	49	3.9	4.3	1	14	11	5	0	0.0	0.00	0.00	-	0	0
August	25.594	25.514	60.2	74.8	54.1	54.6	.422	.431	.104	.440	80	50	4.9	6.1	0	12	10	6	3	0.0	0.00	0.00	-	0	0
September	25.579	25.478	63.1	79.5	54.4	53.5	.425	.413	.160	.606	74	41	5.1	4.8	0	13	6	5	6	0.0	0.00	0.00	-	0	0
October	25.558	25.446	65.2	83.2	55.4	52.3	.443	.396	.183	.750	70	37	4.5	3.6	0	12	12	4	3	0.0	0.00	0.00	-	0	0
November	25.514	25.402	67.9	83.1	58.5	56.1	.496	.455	.192	.688	72	40	6.7	6.4	0	4	9	10	6	44.2	1.74	1.30	29	3	2
December	25.490	25.393	67.9	80.5	60.4	57.7	.529	.481	.162	.570	77	46	6.1	6.5	0	6	10	10	5	73.2	2.88	1.03	3	8	3
Year	25.557	25.448	64.8	78.5	58.3	57.7	.495	.485	.126	.507	80	50	5.8	5.9	1	108	99	90	64	923.5	36.35	1.76	Jan 15	69	23

@ At station levels 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	h	h	Max.	Date	Min.	Date	Mean Max.	Mean Min.	Mean	Max	Min	Range Mean	Fog	Mist	Good Vis.
													8.30	14.30	14.30												
													m.p.h.	m.p.h.	m.p.h.	F.		F.		F.	F.	F.	F.	F.	F.			
January	2	15	5	1	0	4	6	0	0	24	7	0	10.5	14.3	91.8	8	59.9	25	83.3	63.0	73.1	29.2	11.0	20.2	1	0	30
February	7	8	6	2	0	3	1	0	0	20	7	0	10.5	13.6	88.2	25	58.6	25	83.5	62.3	72.9	29.6	14.2	21.3	0	0	27
March	0	13	13	1	1	2	0	1	0	21	10	0	11.0	14.5	85.8	23	58.8	12,14	81.5	62.2	71.9	24.1	11.7	19.3	0	1	30
April	0	12	15	1	1	2	0	0	0	26	4	0	9.8	13.2	82.8	11,12	58.3	14	78.4	61.6	70.0	23.6	7.9	16.8	0	0	30
May	0	13	13	1	1	2	0	0	0	13	17	0	13.2	14.5	78.1	30	51.8	26	74.4	58.7	66.5	25.7	8.6	15.6	0	0	30
June	2	14	13	0	0	0	1	0	0	18	12	0	12.1	14.8	83.8	7	48.4	28	75.9	55.9	65.9	29.0	7.9	20.1	0	0	30
July	6	19	6	0	0	0	0	0	0	13	18	0	13.9	14.3	83.7	14	47.7	2	77.6	53.9	65.7	32.2	14.4	23.7	0	0	31
August	0	20	10	0	0	0	1	0	0	10	21	0	14.1	15.2	81.3	26	47.3	13	75.9	54.3	65.1	31.5	13.5	21.6	0	0	31
September	3	15	12	0	0	0	0	0	0	6	24	0	15.9	15.0	86.4	22	53.6	1,17,28	80.4	57.2	68.8	30.6	10.1	23.2	0	0	30
October	1	17	13	0	0	0	0	0	0	1	30	0	16.8	14.8	89.1	16	57.0	18	83.8	59.5	71.7	30.1	16.9	24.3	0	0	31
November	1	11	15	0	0	1	0	0	0	16.1	24	0	16.1	14.8	89.8	17	60.4	19	84.1	62.6	73.4	25.8	15.6	21.2	0	0	29
December	7	11	7	0	2	1	1	0	0	12	18	0	13.2	14.9	87.1	25	59.0	17	82.6	63.0	72.8	26.4	10.3	19.6	0	0	31
Year	29	168	125	6	5	14	11	3	1	169	192	0	13.1	14.5	91.8	Jan. 8	47.3	July 13	80.1	59.5	69.8	32.2	7.9	20.6	1	1	360

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT LINDI METEOROLOGICAL STATION, 1947.

Lat.: 10° 00'S Long.: 39° 42'E Alt.: 127 feet Standard Time 3h 00m East Reference Number 100.39/06

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 Thun-der.
			Dry Bulb		Dew Point															Total		Max.Fall			
	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.	Date	Rain	
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	$	$													
January	29.731	29.636	79.5	85.3	74.8	75.9	.808	.801	.151	.327	86	73	6.9	7.0	0	2	8	17	4	163.1	6.42	1.59	11	13	16
February	29.737	29.648	77.7	85.2	74.4	75.8	.859	.801	.101	.322	89	73	7.2	7.0	0	3	6	14	5	114.6	4.51	1.86	6	14	16
March	29.766	29.678	77.6	85.1	73.9	75.5	.845	.832	.112	.328	88	73	6.3	6.8	0	7	7	12	5	121.4	4.76	1.77	22	14	21
April	29.793	29.710	77.4	84.3	74.0	74.9	.846	.874	.103	.313	90	74	6.0	7.4	0	8	6	12	4	179.1	7.05	1.44	28	21	12
May	29.873	29.796	73.6	84.4	68.7	69.8	.706	.732	.130	.491	84	62	3.7	5.4	1	17	8	4	1	30.2	1.19	0.51	8	6	0
June	29.937	29.858	71.6	84.0	65.9	66.9	.644	.667	.133	.511	82	57	2.9	5.2	6	16	3	5	0	3.6	0.14	0.07	15/6	2	0
July	29.926	29.843	69.7	84.0	64.7	66.7	.617	.661	.115	.517	84	56	2.7	4.1	4	18	5	3	1	0.0	0.00	0.00	-	0	0
August	29.976	29.884	72.2	83.5	66.0	68.7	.647	.709	.150	.449	81	61	3.1	6.1	2	15	9	5	0	3.6	0.14	0.10	7	2	0
September	29.935	29.846	74.6	83.8	68.7	71.3	.703	.774	.156	.395	82	66	5.3	4.6	0	9	10	10	1	14.7	0.58	0.27	24	7	0
October	29.920	29.855	77.9	82.5	71.3	73.0	.774	.816	.192	.334	81	73	6.0	3.7	0	4	14	13	0	58.2	2.29	1.36	24	6	0
November	29.837	29.760	77.4	84.8	73.1	73.5	.824	.853	.204	.375	90	69	7.0	5.3	0	6	11	13	1	86.5	3.17	2.16	22	7	4
December	29.772	29.692	80.6	86.3	74.0	73.3	.848	.827	.200	.440	81	65	5.7	5.2	0	7	14	10	0	58.6	1.52	0.59	25	5	12
Year	29.850	29.767	76.0	84.4	70.8	72.1	.766	.793	.147	.395	84	67	5.2	5.7	13	106	101	123	22	807.6	31.79	2.16	Nov. 22	97	81

@ 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 8.3		
	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.	Range Max - Min	Max.	Min.	Mean	Fog	Mist	Good Vis.
													m.p.h.	m.p.h.	F.		F.		F.	F.	F.	F.	F.	F.			
January	1	1	0	1	12	4	0	4	8	23	0	0	3.4	8.5	93.0	7	70.2	13	88.6	74.8	81.7	19.1	4.4	13.8	0	0	31
February	2	0	1	3	12	4	0	0	6	22	0	0	3.4	8.1	91.8	17	71.6	5	88.7	74.3	81.5	18.5	9.7	14.4	0	0	28
March	2	0	0	3	9	13	0	3	1	30	0	0	5.6	6.7	92.9	5	71.2	10	88.6	74.0	81.3	18.6	6.5	14.6	0	0	31
April	0	0	0	0	12	18	0	0	0	30	0	0	6.9	6.3	91.4	8	71.3	22	87.9	74.0	80.9	17.5	6.6	13.9	0	0	30
May	0	0	0	0	7	24	0	0	0	30	1	0	8.3	8.1	88.4	26	65.0	12	86.2	69.7	77.9	23.2	9.6	16.5	0	0	31
June	0	0	0	0	5	25	0	0	0	30	0	0	4.9	6.3	89.4	5	58.8	29	86.8	67.3	77.1	27.6	12.8	19.5	0	0	30
July	0	0	0	0	18	13	0	0	0	31	0	0	4.7	7.8	90.2	23	59.6	2	86.7	65.6	76.1	28.4	14.7	21.1	0	0	31
August	0	0	0	0	15	16	0	0	0	31	0	0	6.5	8.5	92.2	28	64.4	19	87.2	66.7	76.9	23.4	17.6	20.5	0	0	31
September	0	0	1	1	18	8	0	0	2	28	0	0	4.3	9.2	91.0	28	64.8	1	86.5	68.8	77.6	23.9	10.3	17.5	0	0	30
October	0	13	0	3	11	1	0	0	3	28	0	0	4.0	9.4	87.9	23	66.3	9	85.0	71.0	78.0	19.7	6.2	14.0	0	0	31
November	2	12	6	1	2	3	0	0	4	26	0	0	3.4	8.9	89.4	20	69.8	23	87.1	73.7	80.4	18.2	7.3	13.4	0	0	30
December	4	1	2	8	4	11	0	1	0	31	0	0	3.8	10.3	92.0	20	73.0	often	89.2	74.3	81.7	18.0	10.0	14.8	0	0	31
Year	11	27	10	20	125	140	0	8	24	340	1	0	4.9	8.2	93.0	Jan. 7	58.8	June 29	87.4	71.2	79.3	28.4	4.4	16.2	0	0	365

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT LYAMUNGU, MOSHI 1967

Lat.: 3° 14'S Long.: 37° 15'E Alt.: 4100 feet Standard Time 3h 00m East Reference Number 93.37/21.

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	0	1-3	4-6	7-9	10	Total		Max.Fall in 24hrs			Thun-der.
	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						am.	ins.	ins.	Date	Rain	
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	$	$													
January	-	-	68.3	80.5	61.3	60.8	.546	.537	.154	.514	78	51	5.0	6.4	1	14	2	8	5	33.8	1.33	10.1	17	8	1
February	-	-	67.9	80.9	61.0	62.2	.540	.564	.148	.502	79	53	2.6	6.6	5	17	2	3	1	16.0	0.63	0.23	11	5	4
March	-	-	67.1	78.4	62.1	63.8	.564	.599	.106	.381	84	61	6.6	8.0	1	9	2	11	8	89.2	3.51	0.71	28	16	1
April	-	-	65.0	73.6	62.8	64.9	.576	.620	.047	.216	92	74	9.3	8.2	0	0	2	6	22	977.6	38.49	7.97	22	28	1
May	-	-	61.9	68.4	60.4	62.2	.532	.564	.029	.139	95	81	9.7	9.2	0	0	0	5	26	674.4	26.55	5.05	9	29	0
June	-	-	59.9	67.7	58.1	59.0	.487	.502	.036	.183	93	73	9.9	8.4	0	0	0	3	27	292.4	11.51	4.16	2	25	0
July	-	-	59.6	68.4	55.8	56.6	.443	.464	.068	.239	87	66	8.7	6.4	0	4	1	3	23	45.7	1.80	1.06	30	7	0
August	-	-	58.3	66.9	55.9	55.8	.452	.449	.041	.215	92	67	9.5	8.3	0	1	1	1	28	38.6	1.52	0.33	10	18	0
September	-	-	60.4	72.8	56.6	57.0	.464	.470	.068	.345	87	58	7.9	5.7	2	4	1	3	20	89.6	1.56	0.39	15	13	0
October	-	-	63.1	78.0	57.9	58.4	.484	.493	.101	.476	83	51	7.1	5.0	1	5	4	9	12	27.2	1.07	0.70	1	5	0
November	-	-	65.5	79.6	60.8	59.4	.537	.511	.098	.511	85	50	8.3	6.7	0	3	2	10	15	20.6	0.81	0.33	23	10	1
December	-	-	67.6	78.1	61.1	61.4	.543	.549	.139	.426	80	57	6.2	7.7	0	11	4	9	7	40.1	1.58	0.36	13	12	1
Year	-	-	63.7	74.4	59.5	60.1	.515	.527	.086	.346	86	62	7.6	7.2	10	68	21	71	134	2295.2	90.36	7.97	Apr. 22	176	9

@ At station levels: 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 h		Extremes of Temperature of the Air.							Frequency of h Visibility at 8.30		
	N	NE	E	SE	S	SW	W	NW	Calm	1-3	4-7	>7	8.30	14.30	Max.	Date	Min.	Date	Mean Max.	Mean Min.	Max Min.	Range Max.	Range Min.	Mean	Fog	Mist	Good Visa.
													m.p.h.	m.p.h.	F.		F.		F.	F.	F.	F.	F.				
January	3	1	2	7	0	3	1	0	13	17	0	0	1.8	4.3	89.1	27	54.3	7, 8	83.1	58.0	70.9	32.6	5.6	24.4	1	2	27
February	1	1	2	8	2	2	1	0	11	17	0	0	2.0	5.4	88.0	25	52.3	12	84.3	57.4	70.9	32.8	17.5	26.9	0	0	28
March	0	4	2	6	1	0	1	0	17	14	0	0	1.6	4.0	86.0	9,19	55.2	16	81.2	59.4	70.3	29.2	12.4	21.8	0	3	28
April	0	1	1	12	4	1	0	0	11	13	0	0	2.0	4.7	82.2	13	57.2	4	76.4	60.9	68.7	22.1	3.7	15.5	7	8	15
May	0	0	2	24	3	0	0	0	2	29	0	0	4.3	5.1	74.7	1	56.5	24	69.4	59.6	64.5	15.7	2.9	9.8	13	7	11
June	0	0	4	21	1	0	0	0	4	26	0	0	2.9	4.0	73.6	15	52.0	30	68.9	57.7	63.3	16.7	5.4	11.2	3	7	20
July	0	0	3	20	3	0	0	0	5	26	0	0	3.1	6.7	77.4	28	47.8	2	70.4	54.3	62.7	23.6	7.7	15.6	2	2	27
August	0	0	1	22	2	0	0	0	6	25	0	0	2.9	4.0	73.2	31	52.0	21	68.4	55.3	62.1	18.4	5.9	12.3	9	5	17
September	0	0	1	20	2	0	0	0	7	23	0	0	3.4	6.7	81.0	12	49.3	14	74.4	54.8	64.6	29.6	8.0	19.3	2	4	24
October	1	0	1	20	1	0	0	0	8	23	0	0	2.9	5.4	84.0	16	49.3	15	73.6	54.3	66.3	34.7	11.2	25.3	1	5	25
November	2	2	1	13	5	0	0	1	6	24	0	0	3.1	4.5	86.7	17	51.6	2	81.0	58.2	69.9	33.6	14.4	23.4	1	3	26
December	3	7	5	9	2	2	0	1	2	29	0	0	2.5	3.1	85.6	25	53.6	18	81.0	58.1	69.5	31.2	15.1	22.9	0	0	31
Year	10	16	25	182	26	8	3	2	92	272	0	0	2.7	5.2	89.1	Jan. 27	47.8	July 2	76.4	57.5	67.0	34.7	2.9	19.1	39	46	279

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT MBEYA METEOROLOGICAL STATION, 1947.

Lat.: 8° 56'S Long.: 33° 28'E Alt.: 5696 feet Standard Time 3h 00m East Reference Number 98.33/01.

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		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	am.	Inst.	in 24hrs	Date	Rain	der.
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%								ins					
January	24.460	24.335	61.7	68.8	58.6	60.4	.436	.529	.062	.183	89	75	9.4	9.2	0	3	0	4	24	159.0	6.26	1.70	17	25	23
February	24.466	24.404	61.6	69.7	58.6	60.3	.436	.526	.056	.209	90	71	8.8	8.9	1	0	2	10	15	163.1	6.42	1.05	15	24	21
March	24.486	24.424	61.8	70.8	58.5	60.6	.436	.535	.062	.227	88	70	8.6	8.8	0	2	2	13	14	123.4	4.86	1.03	26	20	24
April	24.492	24.445	62.4	69.9	57.8	61.0	.484	.540	.083	.186	85	75	7.0	8.6	0	6	6	8	10	209.8	8.26	1.59	29	22	20
May	24.522	24.483	59.9	67.0	53.8	57.4	.416	.475	.104	.192	80	71	5.0	7.6	0	8	14	8	1	27.4	1.08	0.37	1	9	5
June	24.542	24.510	56.6	67.9	50.6	53.4	.372	.410	.092	.281	80	60	4.9	5.8	1	10	10	6	3	0.8	0.03	0.02	1	2	1
July	24.519	24.486	55.0	69.3	48.6	51.9	.346	.390	.091	.334	79	54	3.4	5.0	6	9	11	4	1	0.0	0.00	0.00	-	0	0
August	24.568	24.519	56.5	69.5	46.5	49.6	.319	.360	.142	.369	69	50	3.1	4.5	0	20	7	4	0	0.0	0.00	0.00	-	0	0
September	24.536	24.471	61.3	74.1	49.9	52.3	.363	.396	.186	.457	67	47	2.7	5.7	4	18	6	2	0	0.0	0.00	0.00	-	0	2
October	24.522	24.446	64.0	75.2	52.4	52.5	.396	.399	.206	.484	66	45	4.7	7.4	1	11	10	6	3	2.5	0.10	0.07	28	2	13
November	24.477	24.409	66.7	77.6	52.7	50.5	.402	.369	.259	.588	61	35	5.9	7.7	0	8	9	11	2	21.3	0.84	0.83	29	2	9
December	24.471	24.409	63.6	71.0	57.0	57.7	.470	.481	.124	.287	79	63	7.3	8.3	0	4	7	15	5	120.6	4.75	1.15	25	16	23
																							Max.		
Year	24.504	24.450	60.9	70.5	53.7	55.7	.421	.451	.122	.316	78	60	5.9	7.3	13	99	84	91	78	827.9	32.00	1.70	17	122	141

@ 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	8.30	14.30	Max.	Date	Min.	Date	Mean Max.	Mean Min.	Range Max	Range Min.	Range Mean	Fog	Mist	Good Vis.
													m.p.h.	m.p.h.	F.		F.		F.	F.	F.	F.	F.			
January	1	2	13	3	0	4	2	0	6	25	0	0	2.9	5.8	77.7	1	52.6	13	72.7	57.6	65.1	22.2	6.0	15.1	0	0	31
February	2	5	10	0	0	3	3	1	4	24	0	0	3.4	6.5	76.3	24	52.0	25	73.5	57.3	65.4	25.4	10.8	16.2	3	0	25
March	0	5	14	2	0	4	2	0	4	27	0	0	3.6	7.8	77.4	15,19	51.6	15	73.8	56.8	65.3	25.8	8.2	17.0	0	2	29
April	1	6	7	3	0	1	2	1	9	21	0	0	2.5	4.5	77.4	1	51.7	9	72.9	55.1	64.0	23.1	6.9	17.7	1	0	29
May	2	4	9	8	1	1	0	1	5	25	1	0	3.4	9.8	74.3	27	47.0	16	69.8	52.3	61.1	25.7	11.5	17.5	0	0	31
June	1	3	17	4	0	0	0	0	5	24	1	0	4.3	9.6	75.4	7	41.0	28	69.6	48.0	58.8	28.0	9.8	21.6	0	0	30
July	0	2	21	5	1	0	0	0	2	24	5	0	6.7	12.8	77.2	14	37.8	3	70.8	46.7	58.7	30.5	12.2	18.4	1	0	31
August	0	1	10	9	4	1	0	0	6	19	6	0	6.9	18.8	75.0	31	40.6	14	71.1	46.8	58.9	31.6	14.4	24.3	0	0	31
September	0	0	21	5	3	0	0	1	6	23	0	0	17.2	19.7	83.9	11	44.9	3	76.5	50.9	63.7	31.8	18.0	25.6	0	0	30
October	0	0	27	4	0	0	0	0	2	29	0	0	19.2	15.0	84.2	17	50.2	7	79.6	54.6	67.1	28.7	19.6	25.1	0	9	22
November	0	0	27	1	0	0	1	0	1	5	24	0	17.9	15.2	84.0	18	49.8	2	80.9	57.0	68.9	30.6	10.4	23.9	0	12	18
December	2	0	23	1	0	1	0	0	4	22	5	0	7.4	11.2	80.1	9	53.2	21	75.9	56.8	66.1	24.9	7.8	18.6	0	0	31
																							Dura-			
Year	9	28	199	45	9	15	10	3	47	224	94	0	7.9	11.4	84.2	17	37.8	3	73.9	53.3	63.6	31.8	6.0	20.6	4	23	338

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT MBULO, 1947.

Lat.: 3° 52'S Long.: 35° 33'E Alt.: 5070 feet Standard Time 3h 00m East Reference Number 93.35/01.

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			Thun-
	h 8.30	h 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.	in 24hrs	Date	Rain	der.
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%								ins.				
January	-	-	64.2	73.6	59.7	61.9	.517	.558	.068	.278	85	67	8.0	7.3	0	5	4	6	16	120.1	4.73	1.41	17	14	5
February	-	-	64.1	75.3	59.4	61.6	.514	.552	.071	.334	85	63	6.6	6.3	1	6	5	10	6	69.8	2.75	0.85	11	9	4
March	-	-	63.5	73.7	59.5	60.0	.514	.523	.077	.316	87	62	8.3	6.6	0	2	5	12	12	122.9	4.84	1.41	8	13	1
April	-	-	62.3	71.5	59.2	60.6	.508	.535	.059	.245	90	69	9.4	7.3	0	0	1	12	17	255.0	10.04	1.67	30	23	3
May	-	-	58.9	65.8	56.7	59.9	.464	.520	.038	.121	92	81	9.6	8.4	0	0	1	5	25	96.8	3.81	1.30	9	20	0
June	-	-	56.5	64.1	53.9	56.2	.413	.455	.042	.150	91	75	9.5	7.5	0	0	2	5	23	23.9	0.94	0.50	2	9	0
July	-	-	55.3	64.8	51.6	54.6	.387	.431	.053	.189	88	70	8.2	6.9	0	3	5	5	18	0.0	0.00	0.00	-	0	0
August	-	-	54.3	62.8	50.6	53.5	.369	.413	.056	.166	87	72	9.5	6.9	0	0	2	4	25	0.0	0.00	0.00	-	0	0
September	-	-	57.1	72.4	52.7	50.4	.402	.369	.071	.437	85	46	8.8	5.6	0	0	5	11	14	3.3	0.13	0.08	20	3	0
October	-	-	59.0	74.8	53.9	52.6	.419	.402	.086	.469	83	46	8.7	4.7	2	1	0	8	20	4.6	0.18	0.18	1	1	0
November	-	-	61.4	75.3	56.6	53.7	.464	.416	.085	.488	84	46	9.3	7.0	0	0	4	3	23	28.4	1.12	0.35	30	8	0
December	-	-	62.1	74.0	58.0	55.8	.487	.443	.077	.339	87	53	8.7	6.5	0	1	4	8	18	182.1	7.17	1.55	5	16	3
Year	-	-	59.9	70.7	56.0	56.7	.455	.469	.069	.299	87	63	8.7	6.7	3	18	38	83	217	906.9	35.71	1.67	Apr. 30	116	16

Month	Frequency of Wind Direction at 8.30h								Frequency of Wind Force at 8.30h			Mean Wind Velocity h		Extremes of Temperature of the Air.								Frequency of h Visibility at 8.30			
	N	NE	E	SE	S	SW	W	NW	Calm	1-3	4-7	>7	8.30	14.30	Max.	Date	Min.	Date	Mean Max.	Mean Min.	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	1	0	8	19	1	1	1	0	0	22	9	0	8.1	10.3	84.0	4, 5	51.0	25,27	77.6	57.0	67.3	29.0	11.0	20.6	0	4	27
February	0	2	5	16	1	2	0	2	0	25	3	0	6.0	10.7	83.0	25	48.0	25	77.9	55.5	66.7	35.0	13.0	22.4	0	1	27
March	0	2	3	14	2	3	4	3	0	19	12	0	8.7	12.5	80.0	20	50.0	12	75.8	57.2	66.5	25.0	12.0	18.6	0	1	30
April	0	1	7	20	1	0	1	0	0	21	9	0	7.8	12.8	76.0	often	55.0	5	73.0	58.3	65.7	19.0	10.0	14.7	0	4	26
May	0	0	5	26	0	0	0	0	0	12	19	0	13.4	16.3	72.0	7	52.0	25	67.9	55.8	61.9	15.0	7.0	12.1	0	12	19
June	0	0	0	29	1	0	0	0	0	21	9	0	8.3	13.0	71.0	7	46.0	22,29	66.7	52.1	59.4	22.0	7.0	14.6	0	2	28
July	0	0	1	27	3	0	0	0	0	12	19	0	11.0	13.2	74.0	14	45.0	2	67.8	52.0	59.9	23.0	11.0	16.1	0	5	26
August	1	0	2	27	2	0	0	0	0	6	25	0	13.2	13.2	71.0	25	48.0	often	67.5	51.0	59.3	21.0	11.0	16.6	0	2	29
September	0	0	3	26	1	0	0	0	0	6	24	0	13.0	14.3	78.0	often	51.0	often	74.4	53.5	63.9	25.0	12.0	20.9	0	4	26
October	0	0	3	28	0	0	0	0	0	18	13	0	10.3	19.2	82.0	16	51.0	7	76.7	55.0	65.9	30.0	16.0	21.6	0	1	30
November	0	1	4	25	0	0	0	0	0	15	15	0	11.9	18.3	82.0	30	53.0	18	77.9	57.3	67.6	27.0	16.0	20.6	0	4	26
December	1	1	8	21	0	0	0	0	0	23	8	0	7.2	14.3	79.0	24	49.0	24	75.6	56.7	66.1	28.0	14.5	18.9	0	1	30
Year	2	7	49	278	12	6	6	5	0	200	165	0	9.9	14.0	84.0	Jan. 4, 5	45.0	July 2	73.2	55.1	64.2	35.0	7.0	18.1	0	41	324

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT MOROGORO, 1947.

Lat.: 6° 57'S Long.: 37° 40'E Alt.: 1900 feet Standard Time 3h 00m East Reference Number 96.37/00.

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 in 24hrs		Rain	Thun-der.
	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.	ins.	Date		
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%													
January	-	-	74.5	87.1	70.2	70.2	.744	.744	.118	.555	86	57	7.6	6.9	0	0	6	4	8	13	301.0	11.85	2.48	17	17	15
February	-	-	74.4	86.4	71.6	72.7	.783	.809	.076	.461	91	64	8.5	6.1	0	0	0	6	9	13	67.3	2.65	1.03	12	10	12
March	-	-	74.3	85.9	71.7	73.1	.786	.824	.070	.425	92	66	7.7	7.0	0	0	0	10	14	7	175.5	6.91	2.51	2	21	23
April	-	-	72.3	82.4	70.9	74.2	.765	.853	.035	.263	95	76	7.9	8.2	0	0	2	8	8	12	335.3	13.20	2.14	8	27	10
May	-	-	70.1	80.3	68.2	70.2	.694	.744	.050	.301	93	71	7.7	8.1	0	0	2	8	12	9	149.6	5.89	1.16	16	18	0
June	-	-	66.7	78.2	65.0	68.1	.623	.694	.038	.281	94	71	7.0	8.0	0	0	4	9	10	7	35.6	1.40	0.31	15	12	0
July	-	-	64.8	79.4	61.8	65.1	.558	.626	.062	.387	90	62	4.8	6.5	1	0	12	10	3	5	2.3	0.09	0.05	26	4	0
August	-	-	65.3	79.0	62.4	64.0	.570	.602	.059	.399	90	60	6.9	7.5	1	0	4	8	12	6	6.3	0.25	0.07	5	8	0
September	-	-	68.3	80.9	64.5	65.4	.611	.632	.089	.431	88	59	6.2	7.8	0	0	5	13	9	3	12.4	0.49	0.15	30	7	0
October	-	-	71.5	85.1	66.0	67.4	.644	.679	.136	.541	83	55	6.1	5.8	0	0	4	19	6	2	7.4	0.29	0.12	7	7	0
November	-	-	74.8	87.0	69.5	71.6	.726	.783	.145	.513	83	60	6.3	7.0	0	0	1	22	4	3	81.3	3.20	0.90	20	11	6
December	-	-	75.0	85.7	71.0	-	.768	-	.109	-	88	-	6.0	6.8	0	0	7	12	10	2	74.7	2.94	1.15	25	12	5
Year	-	-	71.0	83.1	67.7	-	.689	-	.082	-	89	-	6.9	7.1	2	47	129	105	82	1248.7	49.16	2.51	Mar. 5	154	71

* At station levels: 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 at 8.30h	Mean Wind Velocity at 14.30h	Extremes of Temperature of the Air.								Frequency of Visibility at 8.30h		
	N	NE	E	SE	S	SW	W	NW	Calm	1-3	4-7	7	h	h	Max.	Date	Min.	Date	Mean Max.	Mean Min.	Range Mean	Max.	Range Min.	Mean	Fog	Mist	Good Vis.
													a.m.	p.m.	F.		F.		F.	F.	F.	F.	F.	F.			
January	3	9	1	0	0	3	0	1	14	17	0	0	2.5	3.6	96.0	3	67.0	12	89.5	70.3	79.9	26.0	10.0	19.2	0	1	30
February	2	10	0	1	0	0	0	1	14	14	0	0	1.3	3.8	93.0	24	66.0	23	89.0	70.2	79.6	25.0	5.6	18.8	0	0	28
March	1	2	0	0	0	4	1	1	22	9	0	0	0.9	3.6	94.0	7	65.2	4	89.3	69.6	79.5	27.1	14.2	19.8	1	1	29
April	0	0	0	0	0	1	0	1	28	2	0	0	0.2	1.6	91.8	1	65.0	25,29	85.7	68.7	77.2	24.0	7.5	17.0	0	4	26
May	1	1	1	0	0	4	0	2	22	9	0	0	0.9	2.9	87.0	23	59.5	26	82.5	66.5	74.4	24.1	6.5	15.8	0	0	31
June	0	0	0	2	0	0	0	3	25	5	0	0	0.4	2.2	85.0	7,8, 14	51.0	30	80.8	61.7	71.3	28.0	4.0	13.1	0	2	28
July	0	1	0	1	0	2	0	2	25	6	0	0	0.9	3.8	86.5	9	50.2	18	82.3	58.5	70.4	31.7	14.6	23.8	0	2	29
August	0	1	2	0	0	0	3	1	24	7	0	0	0.4	6.3	89.0	4,5,16	53.0	15	82.4	59.3	70.9	36.0	12.0	23.1	0	7	24
September	0	1	1	0	0	2	2	3	21	9	0	0	0.7	6.9	89.0	often	55.1	30	84.2	61.2	72.7	32.0	14.0	23.0	0	1	29
October	0	6	0	0	0	2	5	4	14	17	0	0	1.8	8.7	91.0	24	59.0	5,6,7	87.8	63.4	75.6	31.0	16.0	24.4	0	1	30
November	0	11	0	0	0	0	1	2	16	14	0	0	1.6	5.6	93.5	17	63.0	8,24	88.9	67.1	78.0	29.5	14.5	21.8	0	1	29
December	0	23	0	0	0	0	1	1	7	24	0	0	2.0	2.2	93.0	20	65.0	31	88.5	68.8	78.7	26.0	12.0	19.7	0	1	30
Year	7	65	5	4	0	18	12	22	232	133	0	0	1.1	4.3	96.0		50.2	Jan. 3	85.9	July 18	65.4	75.7	36.0	4.0	20.5	1	21	343

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT MOSHI METEOROLOGICAL STATION, 1947.

Lat.: 3° 21'S Long.: 37° 20'E Alt.: 2668 feet Standard Time 3h 00m East Reference Number 93.37/04.

Month	Atmospheric Pressure @	Temperature				Vapour Pressure		Saturation Deficit		Relative Humidity		Total Cloud Amt.		Number of occasions at 6.30h of Cloud Amounts					Rainfall				Number of Days of	
	h	h	Dry Bulb		Dew Point		h	h	h	h	h	h	h						Total		Max.Fall		Thun-
	6.30	14.30	6.30	14.30	6.30	14.30	6.30	14.30	6.30	14.30	6.30	14.30	6.30	14.30	0	1-3	4-6	7-9	10	am.	ins.	in 24hrs	Date	Rain	der.
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%													
January	27.197	27.058	73.0	88.7	64.4	62.2	.611	.564	.210	.803	75	41	6.4	6.8	0	8	6	12	5	65.5	2.58	1.10	9	5	10
February	27.206	27.071	73.1	89.0	63.5	62.1	.591	.561	.230	.818	72	41	4.8	5.8	0	13	4	11	0	33.5	1.32	0.67	8	4	13
March	27.230	27.108	72.2	86.1	65.4	64.2	.632	.605	.165	.653	79	48	7.5	6.8	0	5	3	20	3	110.5	4.35	1.13	1	14	19
April	27.238	27.123	70.8	81.5	66.6	66.9	.659	.664	.103	.423	86	61	9.0	7.1	0	0	1	22	7	440.4	17.34	2.60	28	25	9
May	27.295	27.212	68.2	75.8	64.4	65.1	.608	.626	.089	.275	87	70	8.3	8.5	0	1	2	18	10	205.2	8.08	1.22	9	20	1
June	27.354	27.268	66.7	75.5	61.4	61.5	.549	.552	.112	.340	83	62	8.9	7.6	0	1	0	25	4	110.0	4.33	3.18	2	8	0
July	27.339	27.253	64.8	75.6	59.2	58.0	.508	.487	.112	.408	82	54	8.0	6.3	0	3	2	23	3	2.5	0.10	0.08	4	2	0
August	27.377	27.286	64.3	74.9	59.5	57.5	.514	.478	.094	.396	85	55	8.9	7.7	0	1	1	20	9	12.4	0.49	0.23	10	5	0
September	27.351	27.224	66.5	81.1	59.8	57.6	.520	.481	.139	.591	79	45	8.1	5.4	0	4	1	18	7	18.3	0.72	0.22	6	6	0
October	27.321	27.168	69.9	85.8	60.7	57.0	.537	.470	.201	.776	73	38	6.7	3.7	0	6	6	17	2	22.9	0.90	0.90	1	1	0
November	27.253	27.103	72.0	88.2	63.0	57.8	.582	.484	.212	.863	73	36	8.0	5.6	0	3	1	24	2	36.1	1.42	1.02	23	8	5
December	27.218	27.082	72.4	87.7	63.8	60.5	.597	.532	.206	.791	75	40	6.1	5.4	0	10	4	17	0	24.6	0.97	0.29	6	7	5
Year	27.282	27.164	69.5	82.5	62.6	60.9	.576	.542	.156	.595	79	49	7.6	6.4	0	55	31	227	52	1081.9	42.60	3.18	June 2	105	62

@ 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.	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	2	1	3	3	4	7	6	5	0	31	0	0	3.6	7.4	98.6	26	58.8	31	91.3	64.3	77.8	38.7	4.9	26.9	0	1	30
February	0	0	7	3	3	4	6	5	0	28	0	0	3.8	9.4	97.0	24	58.7	21	92.9	63.1	78.0	37.3	21.3	29.3	0	0	28
March	3	1	5	1	9	1	7	4	0	31	0	0	3.6	6.5	93.6	20	59.7	17	89.0	65.4	77.2	32.4	14.1	23.6	0	0	31
April	6	5	5	3	7	2	1	1	0	30	0	0	3.8	6.0	89.9	1	62.3	4	83.3	65.2	74.3	24.4	7.9	18.2	0	2	28
May	8	3	7	6	5	1	0	1	0	31	0	0	4.0	5.1	86.5	9	59.9	26	77.8	63.8	70.2	21.5	9.8	14.4	1	1	29
June	4	4	7	6	5	0	1	3	0	30	0	0	3.8	5.1	81.4	19	56.1	28	77.2	61.0	69.1	22.4	7.8	16.2	0	0	30
July	9	2	5	6	4	0	3	2	0	31	0	0	3.1	5.1	82.0	14,16	48.9	9	77.7	56.2	66.9	31.7	12.5	21.5	0	0	31
August	5	3	5	4	9	4	0	1	0	31	0	0	3.8	6.3	81.1	12	53.5	21	76.7	58.4	67.5	25.9	10.0	18.3	0	0	31
September	2	0	7	5	8	6	1	1	0	30	0	0	4.3	7.6	87.9	12	51.1	28	82.3	57.5	69.9	34.6	13.3	24.8	0	0	30
October	3	0	6	11	7	2	2	0	0	29	2	0	6.3	10.7	92.3	16	52.5	16	87.6	58.8	73.2	33.8	20.1	28.8	0	0	31
November	1	1	12	3	2	6	4	1	0	28	2	0	5.8	11.2	93.7	17	54.7	17	89.3	62.2	76.0	39.0	21.8	27.6	0	0	30
December	0	1	3	1	7	5	10	4	0	31	0	0	3.6	8.5	93.9	24	55.9	18	89.6	60.6	75.1	36.9	19.7	29.0	0	0	31
Year	43	21	72	52	70	38	41	28	0	361	4	0	4.1	7.4	98.6	Jan. 26	48.9	July 9	84.6	61.3	72.9	39.8	4.9	23.3	1	4	360

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT MPWAPWA, 1947.

Lat.: 6° 20'S Long.: 36° 30'E Alt.: 3700 feet Standard Time 3h 00m East Reference Number 96.36/00

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 Thun-der.
	h	h	Dry Bulb		Dew Point		h	h	h	h	h	h	h	h						Total		Max.Fall		
	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	ms.	ins.	in 24hrs	Date	Rain
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%										ins.		
January	-	-	68.9	78.4	64.2	63.1	.605	.585	.110	.338	85	60	5.5	5.0	3	7	7	14	0	183.4	7.22	2.54	8	14
February	-	-	69.3	76.3	65.3	65.2	.629	.629	.095	.286	87	69	5.6	5.8	0	7	9	11	1	126.0	4.96	1.14	5	15
March	-	-	70.1	77.9	64.7	64.4	.617	.608	.124	.358	83	63	5.6	5.5	1	4	16	10	0	143.5	5.65	1.77	4	14
April	-	-	68.8	75.9	63.7	65.8	.597	.641	.115	.263	84	71	7.8	6.7	0	0	5	20	5	135.6	5.34	0.82	5	18
May	-	-	65.5	73.6	60.1	61.2	.526	.546	.109	.290	83	66	7.9	6.4	0	0	6	18	7	57.7	2.27	0.45	17	12
June	-	-	65.0	73.3	58.0	59.0	.487	.505	.136	.325	78	61	6.4	5.6	0	3	11	16	0	6.1	0.24	0.24	2	1
July	-	-	64.0	75.7	54.9	55.4	.434	.443	.168	.455	72	49	3.2	2.5	10	8	7	6	0	0.0	0.00	0.00	-	0
August	-	-	63.2	74.7	54.6	53.3	.431	.410	.157	.458	74	47	4.5	3.8	4	9	5	13	0	0.0	0.00	0.00	-	0
September	-	-	65.2	78.6	56.6	58.9	.464	.502	.182	.387	74	52	5.6	4.0	7	7	12	3	1	0.0	0.00	0.00	-	0
October	-	-	68.4	80.9	57.2	58.5	.473	.496	.230	.570	67	47	3.9	3.7	2	11	14	4	0	0.0	0.00	0.00	-	0
November	-	-	70.8	83.6	58.7	56.3	.499	.458	.263	.706	66	39	4.2	3.9	3	13	6	7	1	5.6	0.22	0.20	28	2
December	-	-	69.8	77.8	62.5	58.6	.570	.499	.165	.464	78	52	5.2	5.0	1	9	11	10	0	72.4	2.85	0.47	31	13
Year	-	-	67.4	77.2	60 0	60.0	.528	.527	.153	.422	78	56	5.3	4.8	31	78	109	132	15	729.3	28.71	2.54	Jan. 8	89

@ 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 8.30h		
	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.	Range Mean	Fog	Mist	Good Vis.
													m.p.h.	m.p.h.	F.		F.		F.	F.	F.			
January	3	3	5	2	3	5	7	3	0	31	0	0	2.7	2.0	89.2	8	-	-	82.7	-	-	-	-	-
February	0	6	5	3	2	7	3	2	0	28	0	0	2.2	2.2	89.6	25	56.4	2	82.7	61.1	71.9	30.6	13.5	21.6	0	0	27
March	1	7	6	3	2	5	2	5	0	31	0	0	2.2	2.2	86.0	9	59.0	often	82.0	60.9	71.5	26.1	15.3	21.2	0	0	31
April	0	9	10	7	2	0	1	1	0	30	0	0	3.4	2.2	86.9	2	49.1	5	79.5	54.9	67.2	32.4	12.6	24.6	0	1	29
May	1	7	11	11	1	0	0	0	0	31	0	0	4.5	2.9	80.6	1,12	-	-	75.1	-	-	-	-	-	0	0	31
June	0	9	11	9	0	0	0	1	0	30	0	0	3.8	2.5	79.7	1	55.0	16	75.7	59.4	67.5	22.0	6.2	16.3	0	0	30
July	0	11	13	5	0	0	0	2	0	31	0	0	3.8	2.9	82.4	13	55.4	9,22	77.2	59.0	68.1	25.2	10.8	18.2	0	0	31
August	0	4	17	9	0	1	0	0	0	31	0	0	3.4	2.7	80.6	7	50.0	13	76.4	56.8	66.6	28.8	12.6	19.6	0	0	31
September	0	1	12	8	2	1	4	1	0	30	0	0	2.2	2.7	84.2	often	55.4	26	79.8	58.7	69.3	27.4	14.4	21.1	0	0	30
October	1	3	12	9	5	1	0	0	0	31	0	0	2.7	2.9	88.2	16	53.6	2, 3	83.0	57.2	70.1	32.8	17.1	25.9	0	0	31
November	0	1	6	5	7	5	6	0	0	29	1	0	3.6	2.9	89.6	24	51.8	23	85.7	59.0	72.3	36.0	18.0	26.6	0	0	30
December	0	1	3	10	1	4	3	3	0	31	0	0	2.2	2.2	86.0	often	57.2	7,11,14	83.3	60.0	71.7	28.8	9.9	23.3	0	0	31
Year	6	62	111	82	25	29	32	18	0	364	1	0	3.1	2.5	89.6	Feb 25 Nov 24	-	-	80.3	-	-	-	-	-	0	2	363

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT MUSOMA, 1947.

Lat.: 1° 30'S Long.: 33° 48'E Alt.: 3764 feet Standard Time 3h 00m East Reference Number 91.33/00

Month	Aiseapheric Pressure @		Temperature				Vapour Pressure		Saturation Deficit		Relative Humidity		Total Cloud Amt.		Number of occasions at 8.30h of Cloud Amounts					Rainfall				Nusber 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.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						mm.	ins.	in 24hrs	Date	Rain	der.
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%										ins.			
January	26.193	26.087	69.2	77.5	63.7	65.1	.594	.626	.127	.328	83	66	4.3	3.5	0	10	15	6	0	169.2	6.66	1.47	13	17	4
February	26.184	26.102	69.5	78.4	64.2	65.8	.605	.641	.124	.339	83	66	3.9	3.2	0	12	14	2	0	29.5	1.16	0.50	8	8	1
March	26.220	26.122	69.1	78.5	63.9	65.7	.599	.644	.119	.339	84	65	4.3	4.0	0	14	10	6	1	156.7	6.17	1.69	5	14	1
April	26.217	26.137	69.3	76.0	64.7	66.4	.617	.653	.107	.254	85	72	5.6	4.9	0	7	10	13	0	210.6	8.29	2.14	13	19	6
May	26.226	26.149	69.3	79.7	63.0	65.1	.579	.623	.145	.402	80	61	4.2	4.3	0	13	13	5	0	83.8	3.30	0.52	2	20	1
June	26.261	26.199	67.1	79.6	59.6	62.1	.517	.564	.155	.458	77	55	3.6	4.1	4	13	7	5	1	41.4	1.63	0.50	9	7	0
July	26.240	26.196	67.1	77.6	59.9	62.5	.523	.570	.147	.384	78	60	4.3	4.9	7	7	5	10	1	38.1	1.50	1.19	15	4	1
August	26.252	26.199	67.0	78.7	57.2	61.8	.473	.558	.194	.431	71	56	6.4	5.5	3	5	4	12	7	7.9	0.31	0.31	22	1	2
September	26.240	26.163	69.5	79.2	58.8	64.0	.502	.602	.227	.405	69	60	5.5	5.0	1	7	11	6	5	12.7	0.50	0.31	13	4	4
October	26.223	26.116	72.0	81.0	58.4	63.9	.493	.599	.301	.470	62	56	4.2	4.5	1	12	13	4	1	24.9	0.98	0.61	1	7	2
November	26.178	26.078	72.5	80.4	59.6	64.3	.517	.608	.289	.440	64	58	5.5	5.9	0	8	12	7	3	71.4	2.81	0.87	30	10	0
December	26.187	26.107	69.4	78.6	61.2	64.2	.546	.605	.180	.381	75	61	4.8	5.3	0	11	12	7	1	86.1	3.39	1.50	3	12	0
Year	26.218	26.138	69.3	78.8	61.2	64.2	.547	.608	.176	.386	76	61	4.7	4.6	16	119	126	83	20	932.3	36.70	2.14	Apr. 13	123	22

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

Month	Frequency of Wind Direction at 8.30 h.								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 Min.	Range Mean	Fog	Mist	Good Vis.
													a.m.	p.m.	F.		F.		F.	F.	F.	F.	F.			
January	-	-	-	-	-	-	-	-	3	28	0	0	4.5	8.5	87.2	2	58.1	23	80.5	64.9	72.7	22.9	6.0	15.6	0	2	29
February	-	-	-	-	-	-	-	-	1	27	0	0	4.9	9.4	87.2	23	63.2	2,23	81.5	65.8	73.7	24.0	6.4	15.7	0	0	28
March	-	-	-	-	-	-	-	-	0	31	0	0	4.7	8.3	88.2	16	62.2	7	81.9	65.1	73.5	23.0	12.1	16.7	0	2	29
April	-	-	-	-	-	-	-	-	1	23	0	0	4.9	8.7	84.3	11	62.3	6	79.6	65.2	72.4	20.9	6.9	14.4	0	3	27
May	-	-	-	-	-	-	-	-	1	30	0	0	4.7	7.4	85.1	13	61.3	15	82.5	64.7	73.6	22.8	12.1	17.8	0	0	31
June	-	-	-	-	-	-	-	-	1	29	0	0	5.4	7.8	85.4	15	59.4	21	82.4	63.2	72.8	23.6	10.1	19.2	0	7	23
July	-	-	-	-	-	-	-	-	3	26	1	0	5.1	9.6	86.0	1	58.2	3	80.2	63.4	71.8	24.0	12.0	16.8	0	26	4
August	-	-	-	-	-	-	-	-	0	30	1	0	7.6	11.9	85.1	6	58.0	10	81.7	63.3	72.5	25.1	11.9	18.4	0	26	5
September	-	-	-	-	-	-	-	-	0	27	3	0	8.1	11.6	86.3	16	62.2	11,21	83.2	65.4	74.3	22.9	10.4	18.0	0	4	26
October	-	-	-	-	-	-	-	-	0	27	4	0	8.1	12.1	90.1	23	63.2	4	86.1	67.6	76.9	22.7	11.3	17.8	0	1	30
November	-	-	-	-	-	-	-	-	0	28	2	0	7.2	11.6	93.4	2	63.4	17	86.0	67.0	76.5	26.3	9.9	19.0	0	0	30
December	-	-	-	-	-	-	-	-	1	30	0	0	4.9	10.2	85.4	29	62.0	1	81.2	64.7	72.9	22.7	7.2	16.5	0	1	30
Year	-	-	-	-	-	-	-	-	11	342	11	0	5.8	9.8	93.4	Nov. 2	58.0	Aug. 10	82.2	65.0	73.6	26.3	6.0	17.2	0	72	292

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT SAO-HILL 1947.

Lat.: 8° 20'S Long.: 35° 12'E Alt.: 6050 feet Standard Time 3h 00m East Reference Number 98.35/08.

Month	Atmospheric Pressure @		Temperature				Vapour Pressure		Saturation Deficit		Relative Humidity		Total Cloud *at.		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.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						mm.	ins.	in 24hrs	Date	Rain	der.
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%										ins.			
January	-	-	69.9	67.5	57.9	58.6	.484	.496	.056	.183	90	73	8.1	9.1	0	5	1	10	14	205.2	8.08	1.70	13	23	10
February	-	-	61.2	67.3	57.7	57.5	.481	.478	.065	.198	88	71	7.2	8.1	0	6	2	9	8	179.8	7.08	0.89	17	19	13
March	-	-	59.6	68.0	57.5	58.1	.478	.490	.039	.201	93	71	8.5	8.2	0	1	6	9	15	168.9	6.65	1.29	17	26	10
April	-	-	58.4	67.1	56.9	56.9	.467	.467	.026	.203	95	70	6.0	8.1	0	3	2	17	8	80.5	3.17	0.59	3	22	4
May	-	-	54.6	62.7	53.2	54.1	.408	.422	.023	.154	95	73	8.0	7.1	0	1	8	11	11	18.5	0.73	0.21	31	17	0
June	-	-	52.2	62.9	49.9	49.5	.363	.357	.030	.222	92	62	6.8	5.9	0	6	5	16	3	23.9	0.94	0.82	1	4	0
July	-	-	51.4	64.6	48.2	48.0	.340	.337	.044	.277	89	55	4.7	5.8	2	8	12	5	4	0.0	0.00	0.00	-	0	0
August	-	-	51.4	63.5	46.7	43.4	.322	.284	.059	.307	84	48	4.6	5.0	0	14	7	7	3	0.3	0.01	0.01	7	1	0
September	-	-	54.8	68.8	49.8	46.9	.360	.325	.074	.387	83	46	5.4	5.2	1	11	4	13	1	2.5	0.10	0.09	30	2	0
October	-	-	58.1	71.4	51.7	48.1	.387	.340	.103	.437	79	45	5.1	6.3	0	12	7	7	5	23.6	0.93	0.74	28	3	5
November	-	-	61.3	71.9	53.8	49.9	.405	.363	.141	.428	74	46	6.0	7.1	0	9	4	14	3	95.2	3.75	0.89	9	9	8
December	-	-	60.8	68.0	56.1	55.0	.455	.437	.082	.254	84	63	6.8	7.7	0	5	7	14	5	145.5	5.73	1.31	1	20	13
Year	-	-	57.1	67.0	53.2	52.2	.413	.400	.062	.271	87	60	6.6	7.0	3	81	65	132	80	943.9	37.17	1.70	Jan. 13	146	63

@ 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	h					Mean	Mean	Mean	Range			Fog	Mist	Good Vis.
													8.30	14.30	Max.	Date	Min.	Date	Max.	Min.	Mean	Max.	Min.	Mean			
													m.p.h.	m.p.h.	F.		F.		F.	F.	F.	F.	F.	F.			
January	4	5	7	4	0	2	1	6	1	29	0	0	4.3	5.4	76.0	3	51.0	13	69.9	54.0	61.9	21.9	6.5	16.0	2	0	28
February	5	4	3	6	0	0	1	6	0	25	0	0	3.8	7.4	77.2	24	-	-	71.3	-	-	-	-	-	1	0	24
March	1	2	9	11	0	1	1	6	0	29	2	0	7.4	6.7	76.0	14	-	-	70.2	-	-	-	-	-	3	0	28
April	0	2	2	24	2	0	0	0	0	14	16	0	12.3	10.1	73.5	9	-	-	68.8	-	-	-	-	-	1	0	29
May	0	0	1	27	3	0	0	0	0	18	13	0	14.3	11.4	73.0	12	47.0	26	65.3	51.1	58.2	23.0	9.0	14.2	2	6	23
June	0	0	0	27	3	0	0	0	0	23	7	0	11.9	7.8	72.0	7	40.0	30	65.6	47.7	56.7	26.8	5.5	17.9	0	0	30
July	0	0	2	27	2	0	0	0	0	18	13	0	13.2	9.4	76.0	14	39.0	17,18	67.5	46.4	56.9	28.2	6.0	17.1	1	3	27
August	0	0	2	29	0	0	0	0	0	10	21	0	16.3	12.8	71.0	11	41.0	3,16	65.7	45.1	55.4	24.6	15.0	20.6	0	1	30
September	0	0	7	23	0	0	0	0	0	14	16	0	13.9	8.7	80.0	11	44.0	2	71.7	48.4	60.1	30.7	13.3	23.3	0	4	26
October	0	0	5	26	0	0	0	0	0	21	10	0	11.9	10.1	80.2	16	46.9	2	74.3	50.6	62.5	29.2	16.0	23.7	0	0	31
November	0	5	14	11	0	0	0	0	0	28	2	0	8.9	6.5	81.5	27	50.0	23	75.5	52.6	64.1	29.5	10.4	22.9	0	0	30
December	3	2	10	12	1	0	1	2	0	30	1	0	6.9	5.1	78.8	9	52.0	often	71.9	53.8	62.9	24.8	8.0	18.1	0	2	29
Year	13	20	62	227	11	3	4	20	1	259	101	0	10.4	8.5	81.5	Nov 27			69.8	-	-	-	-	-	10	16	335

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT SONGEA, 1947.

Lat.: 10° 41'S Long.: 35° 40'E Alt.: 3783 feet Standard Time 3h 00m East Reference Number 100.35/00

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 Thun-
	h	h	Dry Bulb		Dew Point		h	h	h	h	h	h	h	h						Total	Max. Fall			
	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.	Date	in 24hrs	Rain	dec.
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%													
January	26.240	26.161	69.5	76.2	65.5	67.8	.635	.685	.091	.228	87	75	8.8	8.8	0	0	4	16	11	349.5	13.76	20	23	29
February	26.249	26.166	68.3	76.6	65.4	67.2	.629	.670	.068	.254	90	73	8.5	8.6	0	2	1	14	11	328.7	12.94	2.34	26	24	28
March	26.282	26.202	67.6	76.0	63.6	69.0	.638	.718	.044	.189	94	73	8.9	8.6	0	1	1	16	13	255.0	10.04	2.56	17	27	25
April	26.311	26.240	68.0	75.2	65.5	69.5	.635	.729	.056	.154	92	83	8.1	8.3	0	1	4	19	6	211.8	8.34	2.88	6	19	8
May	26.370	26.314	63.9	71.1	60.4	63.7	.529	.594	.070	.177	88	77	8.2	8.2	0	0	6	17	8	11.7	0.46	0.12	5	10	1
June	26.409	26.355	62.0	70.3	56.4	59.2	.461	.508	.100	.242	82	68	6.1	7.4	0	7	7	16	0	0.0	0.00	0.00	-	0	0
July	26.385	26.329	61.3	71.3	55.7	59.3	.443	.511	.097	.263	82	66	4.6	7.1	2	9	10	10	0	0.3	0.01	0.01	26	1	0
August	26.429	26.367	62.0	71.3	56.2	52.2	.458	.396	.103	.378	81	51	5.7	7.2	2	7	7	14	1	0.5	0.02	0.02	27	1	0
September	26.385	26.308	63.8	75.5	56.1	53.7	.455	.416	.142	.476	76	47	6.9	7.4	1	5	4	16	4	4.6	0.18	0.08	5	3	0
October	26.361	26.273	66.3	79.0	58.4	56.1	.493	.455	.160	.546	76	45	8.0	7.7	0	2	5	12	12	0.0	0.00	0.00	-	0	0
November	26.305	26.205	69.5	82.9	60.3	57.1	.526	.473	.203	.664	72	42	6.3	7.4	0	1	5	15	9	46.0	1.81	1.77	29	3	2
December	26.249	26.172	68.8	77.3	63.9	62.7	.599	.576	.113	.369	84	61	9.3	8.5	0	0	1	13	17	145.0	5.71	1.31	1	17	15
Year	26.331	26.258	65.9	75.2	60.6	61.5	.542	.561	.104	.328	84	64	7.6	7.9	5	35	55	178	92	1353.1	53.27	2.88	Apr. 6	128	108

@ At station levels: 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 8.30h		
	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 Min.	Range Mean	Fog	Mist	Good Vis.
														m.p.h.	m.p.h.	F.		F.		F.	F.	F.	F.	F.			
January	4	8	3	6	0	3	3	4	0	31	0	0		5.1	6.0	87.4	3	61.7	9	79.1	64.3	71.7	23.7	2.3	14.8	0	1	30
February	1	6	2	6	1	4	2	6	0	28	0	0		4.7	6.3	85.1	24	61.5	8,27	79.7	64.1	71.9	22.0	9.6	15.6	0	0	28
March	0	5	6	8	1	8	1	2	0	31	0	0		5.4	7.6	83.3	15	60.3	25	78.8	64.3	71.5	19.7	6.8	14.5	0	0	31
April	1	2	10	17	0	0	0	0	0	30	0	0		8.1	6.9	80.8	1	60.5	9	77.3	64.0	70.7	19.9	3.8	13.3	0	0	30
May	0	0	4	22	2	3	0	0	0	29	2	0		7.4	6.5	77.4	21,28	55.0	24	73.2	59.7	66.5	21.0	6.3	13.5	0	1	30
June	0	3	3	17	2	1	0	4	0	27	3	0		6.0	6.0	79.0	7	48.0	29	72.3	54.9	63.6	22.0	12.4	17.3	0	0	30
July	0	0	6	12	0	1	1	2	0	28	3	0		6.3	6.5	80.5	14	45.8	17	73.0	53.9	63.5	25.0	9.6	19.2	0	0	31
August	0	6	12	13	0	0	0	0	0	26	5	0		9.4	6.9	77.8	11	51.6	2	73.4	55.6	64.5	20.5	12.6	17.8	0	0	31
September	5	13	4	7	1	0	0	0	0	28	2	0		6.7	6.3	83.1	22	55.4	6	77.9	58.8	68.3	25.7	12.4	19.1	0	0	30
October	3	24	2	0	0	0	0	2	0	31	0	0		5.6	7.6	85.1	22	58.0	6	80.4	61.0	70.7	24.7	12.4	19.4	0	2	29
November	2	24	0	0	0	0	4	0	0	30	0	0		6.5	6.7	88.9	28	60.5	23	84.6	64.0	74.3	27.4	10.4	20.6	0	0	30
December	6	18	0	4	0	1	0	2	0	31	0	0		4.7	5.1	87.6	8	60.0	5	79.9	64.5	72.2	24.0	4.0	15.4	0	1	30
Year	22	118	52	112	7	21	7	26	0	350	15	0		6.3	6.7	88.9	Nov. 28	45.8	July 17	77.5	60.8	69.1	27.4	2.3	16.7	0	5	360

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT TABORA OBSERVATORY, 1947.

Lat.: 5° 02'S Long.: 32° 49'E Alt.: 4151 feet Standard Time 3h 00m East Reference Number 95.32/00.

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	0	1-3	4-6	7-9	10	Total	Max Fall		Rain	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						ins.	ins.	Date		
January	ins. 25.845	ins. 25.774	F. 66.2	F. 77.5	F. 63.5	F. 64.4	ins. .591	ins. .608	ins. .059	ins. .346	% 91	% 64	8.4	8.1	0	2	5	6	18	ins. 113.8	ins. 4.48	0.93	7	17	13
February	25.842	25.777	66.0	78.7	63.1	64.2	.582	.605	.068	.387	90	61	7.1	6.9	0	5	4	14	5	135.1	5.32	1.00	21	17	20
March	25.865	25.797	67.0	78.9	63.1	63.9	.585	.599	.082	.399	87	60	6.5	6.5	0	8	5	12	6	200.4	7.89	2.63	26	17	15
April	25.868	25.797	66.9	78.5	63.3	63.7	.588	.594	.076	.389	88	60	6.5	6.9	0	9	3	11	7	258.3	10.17	2.53	3	18	10
May	25.895	25.849	65.2	78.0	59.0	59.7	.502	.517	.124	.452	80	53	5.5	6.9	3	8	4	15	1	3.3	0.13	0.13	12	1	0
June	25.930	25.871	63.3	78.5	56.2	57.0	.458	.470	.130	.513	78	48	2.7	3.8	14	19	2	2	3	38.6	1.52	1.07	2	2	2
July	25.901	25.842	62.2	80.3	52.0	53.1	.390	.408	.174	.658	69	38	2.6	3.5	7	16	3	5	0	0.0	0.00	0.00	-	0	0
August	25.921	25.853	64.1	81.8	50.4	49.7	.369	.369	.236	.736	61	33	2.0	3.2	11	13	5	2	0	0.0	0.00	0.00	-	0	0
September	25.907	25.809	68.4	85.6	53.7	54.0	.416	.422	.287	.818	59	34	3.0	4.4	6	13	6	4	1	0.0	0.00	0.00	-	0	1
October	25.883	25.777	71.5	87.5	55.0	55.0	.437	.437	.343	.877	56	33	3.0	6.3	4	8	8	6	5	1.8	0.07	0.03	28	3	0
November	25.845	25.744	72.4	85.8	58.0	56.6	.487	.464	.316	.782	61	37	7.2	8.2	0	6	3	12	9	50.3	1.98	1.63	13	7	7
December	25.839	25.762	68.6	79.9	61.7	62.4	.555	.567	.151	.464	79	55	6.0	7.0	1	10	4	10	6	176.3	6.94	2.72	1	20	12
Year	25.878	25.804	66.9	81.0	58.3	58.6	.497	.505	.171	.568	75	48	5.2	6.0	36	117	52	99	61	977.9	38.50	2.72	Dec. 1	102	80

@ 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 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	2	6	4	9	4	2	1	0	3	21	7	0	6.1	9.6	84.7	26	60.6	28	79.2	63.5	71.3	20.5	5.6	15.7	0	0	31
February	1	3	6	7	4	3	0	0	4	22	2	0	7.2	8.3	85.0	26	61.0	4,20	81.2	63.1	72.1	21.6	12.5	16.9	0	0	28
March	2	3	7	10	2	2	2	1	2	21	8	0	8.9	10.3	85.6	21	60.8	2	81.4	63.1	72.3	22.4	8.5	18.3	1	0	30
April	1	0	10	15	1	1	1	1	0	17	13	0	11.0	10.7	84.1	1	61.0	7, 8	80.7	63.0	71.9	25.5	11.1	17.7	0	1	29
May	0	0	13	17	1	0	0	0	0	11	20	0	14.3	13.2	84.0	21	55.6	25	80.0	60.2	70.1	25.4	7.8	19.7	0	0	31
June	1	1	14	14	0	0	0	0	0	6	24	0	14.3	11.0	82.8	8	53.2	30	80.3	58.0	69.1	27.8	12.0	22.3	0	0	30
July	0	0	14	16	1	0	0	0	0	12	19	0	13.6	11.0	86.1	26	53.2	18	82.2	58.1	70.1	27.5	10.9	24.1	0	1	30
August	0	0	18	13	0	0	0	0	0	31	0	0	12.0	11.9	86.2	26	56.7	16	83.3	59.6	71.5	26.5	19.7	23.7	0	0	31
September	0	0	19	6	5	0	0	0	0	4	26	0	17.2	14.6	90.6	12	57.8	10	87.4	63.4	75.4	31.6	18.5	24.0	0	0	30
October	0	1	22	6	1	1	0	0	0	5	26	0	18.1	16.7	94.3	16	63.1	18	89.8	66.4	78.1	27.3	19.1	23.4	0	0	31
November	1	1	16	9	2	0	1	0	0	9	21	0	16.1	10.5	92.0	18	60.0	14	88.0	66.9	77.5	28.8	11.4	21.1	0	0	30
December	0	4	9	10	3	4	1	0	0	19	12	0	11.2	11.0	89.3	1	59.6	16	82.4	63.9	73.1	27.1	7.3	18.6	0	0	31
Year	8	19	152	132	24	13	6	2	9	147	209	0	13.3	10.7	94.3	Oct. 16	53.2	June 30 July 18	83.0	62.4	72.7	31.6	5.6	20.6	1	2	362

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT TANGA METEOROLOGICAL STATION 1947.

Lat.: 5° 04'S Long.: 39° 06'E Alt.: 30 feet. Standard Time 3h 00m East Reference Number 95.39/00.

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			Thun-
	h 8.30	h 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	h 8.30	h 14.30	h 8.30	h 14.30	0	1-3	4-6	7-9	10		Ins.	Mm.	in 24hrs.	Date	Rain	der.
	Ins.	Ins.	F.	F.	F.	F.	Ins.	Ins.	Ins.	Ins.	%	%											Ins.			
January	–	–	81.3	85.5	73.0	74.3	.818	.856	.260	.381	76	69	6.9	5.5	0	4	7	18	2		46.2	1.82	1.14	12	2	0
February	–	–	81.2	86.8	73.2	73.9	.824	.845	.251	.443	77	66	6.4	4.2	0	1	13	13	0		4.3	0.17	0.13	9	2	0
March	–	–	80.6	88.1	75.5	74.8	.892	.871	.162	.470	84	65	6.2	4.7	0	5	12	12	2		76.5	3.01	0.60	22	11	1
April	–	–	79.4	84.3	74.4	75.4	.859	.886	.154	.301	85	74	6.8	6.3	0	3	10	13	4		388.1	15.28	3.82	15	19	0
May	–	–	76.3	80.9	72.1	72.0	.794	.791	.121	.275	88	75	7.4	7.1	0	3	2	23	3		470.7	18.53	5.59	16	21	0
June	–	–	76.0	82.2	70.6	69.9	.756	.738	.151	.372	84	66	5.1	5.1	0	10	9	11	0		56.3	1.98	0.74	19	7	0
July	–	–	74.1	82.5	68.4	67.8	.703	.688	.147	.428	82	62	3.2	5.4	2	17	8	4	0		2.5	0.10	0.04	22	4	0
August	–	–	73.0	79.7	68.7	69.1	.709	.718	.112	.307	81	70	6.1	6.2	0	7	6	17	1		90.2	3.55	0.70	30	20	0
September	–	–	73.4	81.1	69.7	68.8	.732	.712	.098	.360	88	67	9.3	5.9	0	3	10	7	10		119.4	4.70	1.13	5	19	0
October	–	–	76.8	83.1	71.7	70.1	.786	.744	.144	.399	84	65	7.7	4.2	0	1	5	20	5		45.2	1.78	0.66	28	12	0
November	–	–	79.4	84.8	73.5	73.1	.833	.824	.180	.384	82	68	7.0	5.7	0	0	10	19	1		47.8	1.88	0.41	4	10	0
December	–	–	80.3	85.5	73.1	74.1	.824	.850	.221	.378	79	69	6.5	5.2	0	2	15	7	7		95.2	3.75	1.70	28	8	1
Year	–	–	77.7	83.7	72.0	71.9	.794	.794	.168	.375	83	68	6.5	5.3	2	56	107	164	35		1436.4	56.55	5.59	May 16	135	2

@ 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 Temperatures of the Air.										Frequency of Visibility at 8.30		
	N	NE	E	SE	S	SW	W	NW	Calm	1-5	6-7	> 7	h 8.30	h 14.30	Max.	Date	Min.	Date	Mean Max.	Mean Min.	Mean 9 a.m.	Mean 3 p.m.	Range Max.	Range Min.	Mean	Fog	Mist	Good Vis.
													m.p.h.	m.p.h.	F.		F.		F.	F.	F.	F.	F.	F.	F.			
January	0	0	14	15	2	0	0	0	0	14	17	0	12.3	17.7	92.7	24	73.9	31	88.2	77.8	83.1	85.2	15.2	3.7	10.3	0	0	31
February	0	0	2	26	5	0	0	0	0	17	10	0	11.4	16.1	91.8	26	72.1	16	89.0	76.3	82.7	88.1	9.7	12.8	0	0	27
March	0	0	0	30	1	0	0	0	0	31	0	0	5.6	9.6	92.1	16	71.6	4	89.5	74.6	82.1	88.9	9.4	14.9	0	6	25
April	0	17	0	6	0	7	0	0	0	30	0	0	5.6	10.5	91.6	11	71.5	4	86.6	74.8	80.6	87.7	3.9	12.4	0	10	20
May	0	0	0	0	0	31	0	0	0	31	0	0	6.5	12.1	88.9	8	68.6	4	83.1	72.9	78.0	85.0	5.8	10.1	0	9	22
June	0	0	0	0	0	30	0	0	0	29	1	0	8.3	14.1	85.2	1	65.8	30	83.9	71.1	77.5	82.9	9.4	12.8	0	0	30
July	0	0	0	0	0	31	0	0	0	30	1	0	8.3	15.2	87.1	22	65.7	1	83.8	69.1	76.5	83.2	10.4	14.7	0	0	31
August	0	17	0	0	0	14	0	0	0	30	1	0	8.7	12.0	84.6	9	65.1	20	81.6	69.3	75.5	82.1	7.5	12.3	0	1	30
September	0	29	1	0	0	0	0	0	0	29	1	0	6.5	13.9	86.1	28	66.1	23	82.6	69.2	75.9	83.2	8.3	13.5	0	6	24
October	2	15	1	11	0	0	0	2	0	30	1	0	9.4	13.4	88.1	22	67.4	17	84.5	70.2	77.5	84.2	7.8	14.3	0	3	28
November	1	0	2	25	2	0	0	0	0	25	5	0	9.2	16.1	89.2	29	71.1	10	86.5	73.1	79.7	86.3	9.8	13.2	0	0	30
December	0	0	0	27	4	0	0	0	0	16	15	0	11.6	15.2	90.2	4	73.1	27	87.7	75.3	81.5	86.8	5.7	12.9	0	2	29
Year	3	78	20	134	14	113	0	2	0	312	52	0	8.5	13.8	92.7	Jan. 24	65.1	Aug. 20	85.6	72.8	79.2	85.2	19.9	3.7	12.8	0	57	327

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT UKIRIGURU, MWANZA 1947.

Lat.: 2° 48'S Long.: 33° 01'E Alt.: 3933 feet Standard Time 3h 00m East Reference Number 92.33/04.

Month	Atmospheric Pressure @		Temperature				Vapour Pressure		Saturation Deficit		Relative Humidity		Total Cloud Mat.		Number of occasions at 8.30h of Cloud Amounts					Rainfall				Number of Days of Thun-der.
	h	h	Dry Bulb		Dew Point		h	h	h	h	h	h	h	h						Total		Max.Fall			
	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	ms.	ins.	in 24hrs.	Date	Rain	
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	$	$										ins.			
January	25.998	25.913	68.3	77.5	63.3	61.9	.588	.558	.112	.936	84	59	8.3	8.2	0	0	6	14	11	146.3	5.76	1.74	7	18	10
February	25.995	25.922	68.5	77.2	64.0	63.3	.602	.588	.101	.354	86	63	7.8	7.9	0	3	3	11	9	137.9	5.43	1.19	27	15	15
March	26.022	25.948	68.4	78.7	64.3	63.1	.608	.585	.092	.404	87	59	7.1	7.5	0	4	7	11	9	239.5	9.43	2.05	26	21	15
April	26.019	25.945	68.1	75.5	64.5	64.9	.641	.620	.083	.301	88	67	8.4	8.5	0	0	5	18	7	233.2	9.18	1.90	23	20	7
May	26.037	25.972	67.2	78.6	62.1	62.8	.561	.576	.112	.410	83	58	7.1	7.8	0	4	7	19	1	30.5	1.20	0.52	5	10	3
June	26.072	26.004	65.8	80.1	60.1	63.3	.526	.588	.115	.449	82	57	4.6	5.7	0	11	13	5	1	9.4	0.37	0.23	1	2	1
July	26.042	25.980	66.7	81.3	58.1	57.9	.490	.484	.171	.594	74	45	4.5	6.2	7	2	14	7	1	1.0	0.04	0.04	27	1	2
August	26.063	25.989	65.8	82.2	56.1	58.0	.455	.487	.186	.623	71	44	5.3	5.8	4	7	7	13	0	2.3	0.09	0.09	1	1	0
September	26.040	25.957	69.9	83.1	60.0	61.4	.525	.549	.212	.660	76	49	6.2	7.5	1	3	12	12	2	24.1	0.95	0.62	30	5	7
October	26.025	25.924	73.2	84.2	59.6	59.1	.517	.508	.307	.676	63	43	7.7	7.4	0	0	6	24	1	58.9	2.32	1.68	28	7	2
November	25.992	25.883	73.4	84.8	61.5	60.9	.552	.540	.278	.668	67	45	7.2	8.1	0	0	12	17	1	53.1	2.09	0.63	13	12	5
December	25.992	25.910	70.0	79.8	62.1	60.0	.564	.523	.177	.505	76	51	7.1	8.1	0	0	15	12	4	78.2	3.08	1.06	4	13	9
Year	26.025	25.946	68.8	80.3	61.3	61.4	.550	.551	.162	.498	78	53	6.8	7.4	12	34	107	169	43	1014.4	39.94	2.05	March 26	125	76

@ 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 8.30h		
	N	NE	E	SE	S	SW	W	NW	Calm	1-3	4-7	>7	h	h	Max.	Date	Min.	Date	Mean Max.	Mean Min.	Mean Range	Max Range	Mean	Fog	Mist	Good Vis.
													m.p.h.	m.p.h.	F.		F.		F.	F.	F.	F.				
January	0	2	1	3	10	2	1	0	12	18	1	0	4.3	5.6	87.5	2	61.0	18	80.2	64.1	72.1	23.1	2.3	16.1	0	0	31
February	0	0	3	1	3	8	1	0	12	14	2	0	4.5	6.7	85.8	24	59.9	4	81.2	63.8	72.5	23.8	10.0	17.4	0	0	28
March	0	1	1	6	3	6	1	1	12	19	0	0	3.8	5.6	86.8	18	61.8	27	81.6	63.7	72.7	23.2	7.6	18.0	0	1	30
April	1	1	0	5	9	2	0	0	12	18	0	0	3.4	6.0	84.8	10	60.3	8	79.9	64.0	71.9	22.5	10.4	15.9	0	1	29
May	0	0	0	3	28	0	0	0	0	28	3	0	8.3	8.3	84.8	29	56.0	25	81.2	62.2	71.7	25.8	13.0	19.8	0	0	31
June	0	0	0	9	19	1	0	1	0	26	3	0	7.2	8.7	85.0	often	54.5	20,29	82.5	58.6	70.5	29.3	9.3	23.9	0	0	30
July	0	0	6	7	14	1	1	0	2	27	2	0	6.5	8.5	86.8	11,23	53.4	1	84.0	59.2	71.6	31.4	9.0	24.9	0	6	25
August	0	0	4	10	17	0	0	0	0	22	9	0	10.5	9.2	88.1	26	52.8	17	84.8	59.2	72.0	32.0	17.9	25.7	0	0	31
September	0	1	10	12	6	0	0	0	1	22	7	0	8.7	7.8	90.0	12,17	59.2	15	86.0	62.8	74.4	30.0	14.1	23.2	0	0	30
October	0	0	10	15	4	1	0	0	1	26	4	0	8.3	6.9	91.8	24	61.0	19	86.0	66.3	76.1	26.0	13.0	19.7	0	0	31
November	1	0	5	20	2	0	1	0	1	28	1	0	7.2	7.4	88.2	21,23	63.2	14	85.3	66.3	75.8	24.1	11.4	19.0	0	1	29
December	1	1	4	10	13	0	0	0	2	25	4	0	7.4	8.7	88.1	29	59.0	5	82.1	64.3	73.2	26.0	2.8	17.8	0	0	30
Year	3	6	44	101	128	21	5	1	56	273	36	0	6.7	7.5	91.8	Oct. 24	52.8	Aug. 17	82.9	62.9	72.9	32.0	2.3	20.0	0	10	355