EAST AFRICAN

METEOROLOGICAL DEPARTMENT

SUMMARY OF METEOROLOGICAL OBSERVATIONS

FOR

1948.

QC
991
.A1
S86
1948
[pt.2]

PART II - TANGANYIKA

National Oceanic and Atmospheric Administration

Environmental Data Rescue Program

ERRATA NOTICE

One or more conditions of the original document may affect the quality of the image, such as:

Discolored pages
Faded or light ink
Binding intrudes into the text

This document has been imaged through the NOAA Environmental Data Rescue Program. To view the original document, please contact the NOAA Central Library in Silver Spring, MD at (301) 713-2607 x124 or www.reference@nodc.noaa.gov.

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

TANGANYIKA.

Amani
Arusha
Biharamulo
Bukoba
Chunya
Dar Es Salaam
Dodoma
Iringa
Kigoma
Kilwa
[redacted]
Kondoa
Lindi
Loliondo
Lyamungu, Moshi
Mbeya
Mbulu
Morogoro
Moshi
Mpwapwa
Musoma
Mwanza
Sao Hill
Songea
Tabora
Tanga
Ukiriguru, Mwanza

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT AMANI, 1948.

Lat.: 5°06'S Long.: 38°38'E Alt.: 2989 ft. Standard Time 3h 00m East. Ref. No. 95.38/03.

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 8.30 h of Cloud Amounts 0	1-3	4-6	7-9	10	Rainfall Total ins.	Rainfall Total ins.	Rainfall Max. Fall in 24hrs.	Date	Number of Days of Rain	Number of Days of Thunder.
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%										ins.			
January	26.914	26.828	70.7	81.0	66.1	67.7	.650	.685	.109	.384	85	64	7.0	7.6	0	1	13	13	4	21.3	0.84	0.48	21	4	1
February	26.946	26.859	70.8	84.4	66.1	66.5	.647	.656	.115	.537	85	55	7.4	7.7	0	0	10	15	4	10.2	0.40	0.16	20	5	2
March	26.934	26.837	71.3	81.6	67.9	69.6	.691	.729	.083	.361	89	67	7.7	8.3	0	0	11	15	6	16.5	6.53	1.30	14	18	3
April	26.952	26.875	69.7	75.2	67.7	69.3	.685	.724	.050	.159	94	82	8.8	8.9	0	0	4	12	14	36.7	14.24	3.20	25	26	0
May	26.996	26.925	68.1	72.8	65.6	67.3	.638	.673	.056	.142	92	83	8.9	8.9	0	0	3	14	14	27.6	10.81	2.20	1	28	2
June	27.054	26.996	65.2	70.1	62.4	63.7	.570	.597	.056	.147	91	80	8.5	8.6	0	0	5	11	14	16.1	6.50	1.20	22	23	0
July	27.052	26.993	63.5	68.9	61.0	62.2	.540	.567	.054	.148	91	80	8.5	8.4	0	1	3	19	8	12.5	4.98	0.90	2	19	0
August	27.044	26.993	63.2	69.8	60.8	62.5	.537	.570	.048	.148	92	80	8.6	8.2	0	0	2	18	11	8.9	3.46	0.65	11	25	0
September	27.026	26.949	64.9	71.7	62.0	63.2	.561	.588	.059	.198	90	75	8.5	8.4	0	0	5	11	14	9.3	1.98	0.55	7	17	0
October	27.092	26.920	67.5	73.9	65.3	67.1	.629	.670	.050	.175	93	79	8.0	7.7	0	1	6	14	10	15.7	6.09	1.16	7	20	0
November	26.976	26.887	70.0	76.8	66.1	68.2	.647	.697	.094	.236	87	75	7.1	7.4	0	4	7	14	5	18.8	5.86	2.64	13	10	2
December	26.922	26.843	69.5	77.3	66.2	69.3	.650	.724	.079	.221	89	77	8.5	8.3	0	1	3	16	11	20.7	8.69	2.32	29	25	5
Year	26.986	26.909	67.9	75.2	64.8	66.4	.620	.657	.071	.238	90	75	8.1	8.2	0	8	72	171	115	187.7	70.38	3.20	Apr. 25	220	15

@ At Station level: corrected for Temperature and to standard gravity.

Month	Frequency of Wind Direction at 8.30 h N	NE	E	SE	S	SW	W	NW	Calm	Frequency of Wind Force at 8.30 h 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.	Max. Min.	Range Max.	Range Min.	Range Mean	Frequency of Visibility at 8.30 Fog	Mist	Good Vis.
															F.		F.		F.	F.	F.	F.	F.	F.			
January	15	0	6	1	4	0	5	0	0	31	0	0	4.9	12.5	89.9	30	59.0	30	83.8	62.8	73.3	30.9	12.4	21.1	1	0	30
February	16	0	5	1	2	0	5	0	0	29	0	0	6.9	14.8	90.2	3	57.5	2	86.3	62.8	74.5	30.7	17.6	23.6	0	0	29
March	12	0	4	1	1	0	13	0	0	28	3	0	6.7	14.1	88.6	5	64.5	often	84.0	64.5	74.3	26.2	9.3	19.5	0	1	30
April	3	0	2	0	6	1	18	0	0	28	2	0	5.6	11.0	81.9	1	60.0	7	77.5	63.9	70.7	19.7	3.5	13.6	1	3	26
May	0	0	0	0	6	11	14	0	0	23	8	0	9.8	11.0	78.7	7	59.5	31	74.9	63.5	69.2	18.5	5.6	11.4	0	5	26
June	0	0	0	0	9	9	12	0	0	20	10	0	10.7	12.3	76.1	2	58.0	13,23	72.2	60.8	66.5	15.9	5.7	11.4	1	1	28
July	0	0	0	0	11	6	14	0	0	24	7	0	9.4	10.5	75.6	10	53.2	8	70.8	58.9	64.9	19.0	4.4	11.9	0	2	29
August	0	0	2	0	13	10	6	0	0	29	2	0	5.1	4.9	74.2	6	51.0	13	71.0	58.4	64.7	21.7	7.5	12.6	2	6	23
September	0	0	10	4	10	5	1	0	0	27	3	0	6.7	9.8	78.0	22	54.0	1	73.2	58.3	65.7	21.0	6.2	14.9	0	4	26
October	4	0	9	3	2	4	7	2	0	31	0	0	4.7	7.8	79.4	25,28	55.0	6	75.8	60.5	68.1	22.4	7.3	15.3	2	4	25
November	3	1	10	6	1	0	6	2	1	28	1	0	5.6	9.6	84.6	25	56.5	23	79.0	62.1	70.5	23.3	10.1	16.9	0	0	30
December	3	1	4	2	0	1	16	2	2	26	3	0	5.8	8.5	85.6	22	60.3	1	79.2	64.0	71.6	22.2	9.1	15.2	0	3	28
Year	56	2	52	18	65	47	117	6	3	324	39	0	6.6	10.6	90.2	Feb. 3	51.0	Aug. 13	77.3	61.7	69.5	30.9	3.5	15.6	7	29	330

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT ARUSHA METEOROLOGICAL STATION, 1948.

Lat.: 3°23'S Long.: 36°41'E Alt.: 4500 ft. Standard Time 3h 00m East. Ref. No. 93.36/0.

Month	Atmospheric Pressure @ 8.30 h	Atmospheric Pressure @ 14.30 h	Temperature Dry Bulb 8.30 h	Temperature Dry Bulb 14.30 h	Temperature Dew Point 8.30 h	Temperature Dew Point 14.30 h	Vapour Pressure 8.30 h	Vapour Pressure 14.30 h	Saturation Deficit 8.30 h	Saturation Deficit 14.30 h	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 8.30 h of Cloud Amounts 0	1-3	4-6	7-9	10	Rainfall Total mm.	Rainfall Total ins.	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	-	-	64.1	80.1	60.1	57.5	.526	.478	.076	.561	87	46	4.2	4.9	9	7	0	6	5	74.2	2.92	1.16	22	8	5
February	-	-	64.3	80.7	60.4	56.5	.532	.461	.076	.596	87	43	4.6	4.5	10	3	0	3	8	37.6	1.48	0.99	6	8	2
March	-	-	64.2	77.7	61.1	58.9	.543	.592	.062	.458	90	52	7.2	6.8	2	2	2	4	9			-	-	-	5
April	-	-	63.1	73.0	61.7	61.9	.558	.561	.024	.260	96	69	9.5	5.4	0	1	0	4	21	580.4	22.85	3.89	27	-	1
May	-	-	62.3	71.2	60.1	61.0	.526	.590	.041	.234	93	70	9.6	6.3	0	0	0	10	18	116.8	4.60	2.09	28	19	0
June	-	-	58.5	67.5	56.3	57.5	.458	.478	.038	.201	92	70	9.3	6.3	0	1	0	7	20	49.3	1.94	0.55	22	15	0
July	-	-	57.7	66.1	54.6	55.3	.431	.443	.050	.207	90	69	8.8	5.8	0	3	1	3	22	15.5	0.61	0.27	26	6	0
August	-	-	58.3	68.2	53.8	54.6	.419	.431	.074	.266	85	62	7.9	4.9	0	6	0	7	15	7.1	0.28	0.15	12	4	0
September	-	-	59.5	72.2	55.1	54.4	.440	.428	.074	.369	86	54	8.2	3.7	2	3	4	7	11	1.3	0.05	0.03	26	2	0
October	-	-	62.9	77.3	58.1	53.3	.490	.410	.089	.538	85	43	6.3	2.3	0	7	7	8	7	26.7	1.05	0.34	31	7	1
November	-	-	64.2	78.9	59.8	55.5	.520	.446	.085	.552	85	45	6.3	3.8	4	6	3	10	7	50.3	1.98	0.54	28	11	3
December	-	-	63.6	73.7	60.8	60.6	.537	.535	.057	.304	90	64	7.9	7.5	1	3	2	8	13	449.6	17.70	4.04	12	/	4
Year	-		61.9	73.9	58.5	57.2	.498	.476	.062	.379	89	57	7.4	5.2	28	42	19	77	156	1408.8	55.46	4.04	Dec. 13	/	21

@ 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 h	14.30 h	Extremes of Temperature of the Air, Max.	Date	Min.	Date	Mean Max.	Mean Min.	% Max Range Max.	% Max Range Min.	% Max Range Mean	Frequency of Visibility at 8.30h Fog	Mist	Good Vis.
													m.p.h.	m.p.h.	F.		F.		F.	F.	F.	F.	F.			
January	0	3	2	5	1	0	0	0	16	10	1	0	2.5	8.7	86.7	14	51.8	9,16	84.1	55.5	69.8	34.0	18.7	28.4	0	2	25
February	1	0	5	2	0	0	0	0	16	7	1	0	3.1	10.5	88.0	5	51.4	2	84.2	57.6	70.9	35.4	18.7	26.6	0	6	18
March	1	2	1	1	1	0	0	0	13	6	0	0	1.6	8.3	87.0	25	53.3	5	81.9	59.3	70.6	28.3	12.1	22.3	0	5	14
April	0	0	19	2	0	0	0	0	5	19	2	0	6.0	10.3	84.8	4	56.8	20	76.4	61.0	68.7	19.2	7.8	15.1	2	11	13
May	0	0	28	0	0	0	0	0	0	22	6	0	9.2	11.2	78.2	1	52.8	6	73.8	60.2	67.0	23.4	9.4	13.6	0	2	26
June	0	1	27	0	0	0	0	0	0	19	9	0	10.3	10.5	76.6	9	52.2	30	70.0	56.8	63.4	18.7	6.0	13.2	0	4	24
July	0	1	28	0	0	0	0	0	0	21	8	0	10.7	11.0	72.9	24,25	53.6	27	69.0	55.4	62.2	18.6	8.8	13.6	1	8	20
August	0	1	27	0	0	0	0	0	0	17	11	0	10.7	13.9	75.9	11	52.9	31	71.2	55.7	63.5	20.5	8.6	15.5	1	3	24
September	0	1	26	0	0	0	0	0	0	23	3	1	11.1	15.4	79.8	21	54.8	1,6	74.8	56.0	65.4	25.5	12.0	18.8	0	5	22
October	0	10	19	0	0	0	0	0	0	24	5	0	9.8	16.3	83.8	26,28	52.4	22	80.0	58.3	69.1	29.3	15.9	21.6	1	1	27
November	0	9	18	0	0	0	1	0	2	27	1	0	5.6	14.1	86.3	26	52.7	24	81.4	58.4	69.9	31.1	18.2	22.9	0	2	28
December	00	1	9	0	0	0	1	0	16	10	1	0	2.5	6.7	83.6	24	52.9	2	77.6	59.1	68.3	28.9	9.8	18.3	1	3	23
Year	2	29	209	10	2	0	2	0	68	205	48	1	6.8	11.4	88.0	Feb. 5	50.8	Sept. 1,6	77.0	57.8	67.4	35.4	6.0	19.1	6	52	264

@ Total for March and April - 22.85 inches.

/ Unknown.

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT BIHARAMULO, 1948.

Lat.: 2°38'S Long.: 31°19'E Alt.: 4850 ft. Standard Time 3h 00m E.A.T. Ref. No. 92.31/00.

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 0	1-3	4-6	7-9	10	Rainfall Total ins.	Rainfall Max. Fall in 24hrs. ins.	Rainfall Date	Number of Days of Rain	Number of Days of Thunder.
January	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
August	-	-	65.5	76.9	-	-	-	-	-	-	-	-	6.1	7.8	0	8	9	7	7	29.2	1.15	0.44	23	5	3
September	-	-	66.6	74.6	59.4	63.7	.511	.597	.148	.268	78	69	7.0	8.6	0	6	7	7	10	36.6	1.44	0.35	23	9	11
October	-	-	68.0	75.4	60.6	67.2	.535	.546	.159	.343	78	62	7.8	9.1	0	3	9	5	14	108.5	4.27	1.02	9	13	1
November	-	-	67.8	73.7	61.8	66.6	.558	.659	.130	.180	81	78	8.3	8.0	0	0	6	1	7	37.6	1.48	0.55	17	7	0
December	-	-	66.6	74.9	60.5	66.1	.532	.650	.127	.224	80	75	8.3	7.7	0	1	4	15	9	130.0	5.12	1.30	14	12	0
Year	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Month	Frequency of Wind Direction at 8.30h N	ME	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.	Mean Wind Velocity 14.30 h m.p.h.	Extremes of Temperature of the Air. Max.	Date	Min.	Date	Mean Max.	Mean Min.	Range Max.	Range Min.	Range Mean	Frequency of Visibility at 8.30 Fog	Mist	Good Vis.
January	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
August	1	0	2	9	18	2	0	0	7	20	4	0	6.5	6.5	84.0	9	58.4	11	79.4	61.8	70.6	23.9	9.4	17.7	0	0	31
September	3	3	1	2	4	1	1	0	15	10	5	0	5.6	8.9	84.0	30	54.0	24	79.3	61.4	70.3	27.0	8.8	17.6	0	0	30
October	1	6	5	2	0	0	0	0	17	6	8	0	6.9	7.8	85.5	4	58.0	10	80.1	61.5	70.8	26.5	9.5	18.6	1	1	29
November	0	0	0	0	2	0	0	1	27	3	0	0	0.9	8.9	86.0	17	58.5	22	78.2	61.8	70.0	24.2	11.0	16.5	0	0	30
December	0	0	0	0	1	2	0	0	26	3	0	0	0.7	6.0	86.0	8	55.0	26,27	77.6	60.3	68.9	26.0	9.8	17.3	0	0	29
Year	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT BUKORA 2ND ORDER STATION, 1988.

Lat.: 1°20'S Long.: 31°49'E Alt.: 3753 ft. Standard Time 3h 00m East. Ref. No. 91.31/02

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	
	h	h	Dry Bulb		Dew Point		h	h	h	h	h	h	h	h						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	0	1-3	4-6	7-9	10	mm.	ins.	in 24hrs.	Date			
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%										ins.				
January	-	-	67.1	77.5	63.3	66.8	.588	.664	.092	.290	87	70	7.9	4.5	1	1	7	6	16	156.7	6.17	1.64	11	14	0
February	-	-	68.2	78.2	63.9	67.2	.599	.673	.098	.302	86	69	6.4	5.3	0	2	11	15	1	66.0	2.60	0.58	29	11	0
March	-	-	68.8	77.5	64.6	66.0	.614	.647	.098	.316	86	67	8.2	6.2	0	1	6	10	14	192.3	7.57	1.33	8	14	0
April	-	-	69.2	76.2	65.1	67.5	.626	.679	.095	.234	87	74	8.1	6.1	0	0	7	12	11	321.3	12.65	2.65	9	21	0
May	-	-	68.5	76.5	64.8	67.6	.620	.682	.083	.239	88	74	7.5	6.2	0	1	8	14	8	281.4	11.08	2.45	29	18	0
June	-	-	68.2	74.1	64.1	64.7	.585	.617	.112	.233	84	72	6.9	5.7	0	0	14	13	3	52.3	2.06	0.40	19	10	0
July	-	-	68.2	74.4	62.1	63.9	.564	.602	.133	.257	82	70	7.3	6.8	0	0	12	10	8	99.1	3.90	2.03	1	5	0
August	-	-	66.4	72.5	62.3	64.1	.567	.605	.089	.201	87	75	8.3	8.2	0	1	4	15	11	96.0	3.78	1.02	20	12	0
September	-	-	66.6	74.7	62.3	64.3	.567	.608	.092	.260	86	70	7.7	7.3	0	2	3	17	8	139.4	5.49	2.10	24	12	8
October	-	-	68.9	73.7	64.1	65.2	.605	.629	.110	.210	85	75	7.4	7.6	0	3	9	6	13	137.2	5.40	1.50	30	12	12
November	-	-	68.9	78.3	63.7	66.1	.597	.647	.118	.333	84	66	7.5	6.0	0	0	9	13	7	99.8	3.93	4.93	14	11	4
December	-	-	67.8	77.3	63.6	66.4	.594	.656	.094	.292	87	69	8.3	6.9	0	0	8	9	14	242.6	9.55	1.87	18	14	1
Year	-	-	68.1	75.9	63.6	65.8	.594	.642	.100	.264	86	71	7.6	6.4	1	11	98	140	114	1884.1	74.18	2.65	Apr. 9	154	25

@ 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	0	0	2	2	6	1	0	0	20	10	1	0	2.0	2.7	84.0	31	57.8	14	79.7	60.9	70.3	23.2	14.0	18.9	0	0	31
February	0	0	0	6	9	0	0	0	14	15	0	0	1.6	3.4	84.5	15	60.0	often	80.4	61.7	71.1	24.5	13.5	18.7	0	0	29
March	0	0	0	5	12	0	0	0	14	15	2	0	2.7	2.7	85.0	26	60.0	often	80.1	61.9	71.0	23.5	11.5	18.2	0	0	31
April	0	0	0	3	15	0	0	0	12	17	1	0	2.5	2.2	84.0	1	59.0	23	79.2	62.3	70.7	22.0	4.5	16.9	0	0	30
May	0	0	0	4	16	0	0	0	11	20	0	0	2.2	2.5	84.0	6	60.0	6, 10	79.3	62.4	70.9	24.0	10.0	16.9	0	0	31
June	0	0	0	10	15	0	0	0	5	22	3	0	3.4	2.0	81.5	20	58.0	7, 23	77.5	60.7	69.1	22.0	10.5	16.7	0	1	29
July	0	0	3	6	11	0	0	0	10	17	3	0	2.9	4.5	80.8	8	57.0	8	77.2	60.6	68.9	23.8	12.0	16.5	0	0	30
August	0	0	20	2	3	0	0	0	6	24	1	0	4.0	4.7	81.5	26	57.8	5	77.1	59.7	68.4	22.0	10.0	17.4	0	4	27
September	0	0	23	3	0	0	0	0	4	24	2	0	3.8	3.4	82.0	19	51.5	25	78.2	59.9	69.1	27.5	10.0	18.4	0	1	29
October	0	0	13	4	3	0	0	0	11	19	1	0	2.7	3.8	82.0	14	51.8	7	79.5	59.8	69.7	28.5	12.0	19.7	0	0	31
November	0	0	7	0	14	0	0	0	8	21	0	0	2.5	2.9	83.8	27	57.0	2	80.4	61.2	70.8	25.0	6.5	19.1	0	0	29
December	0	0	23	0	5	0	0	0	3	27	1	0	3.1	2.7	82.5	22	59.0	20, 30	79.6	60.7	70.1	22.5	14.5	18.9	0	2	29
Year	0	0	91	45	109	1	0	0	118	231	15	0	2.8	3.1	85.0	Mar. 26	51.5	Sept. 25	79.0	61.0	70.0	28.5	4.5	18.0	0	8	356

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT CHONYA, 1948.

Lat.: 8°32'S Long.: 33°26'E Alt.: 4900 ft. Standard Time 3h 00m East. Ref. No. 98.33/02.

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	Max. Fall in 24hrs.	Date	Number of Days of Rain	Thunder.
	Ins.	Ins.	F.	F.	F.	F.	Ins.	Ins.	Ins.	Ins.	%	%								Ins.	Ins.			
January	-	-	65.3	77.3	60.6	69.7	.535	.537	.094	.408	85	57	6.5	6.1	0	6	7	9	9	326.1	15.84	28	14	7
February	-	-	65.6	76.8	59.1	61.1	.508	.543	.130	.387	80	58	5.2	4.7	0	11	7	6	5	62.5	2.46	2	10	5
March	-	-	64.0	75.2	59.4	60.3	.511	.529	.091	.354	85	60	5.1	5.5	0	5	3	2	2	132.3	5.21	7	10	1
April	-	-	65.2	78.1	57.7	57.9	.481	.487	.148	.485	77	50	2.9	4.0	0	23	5	0	2	4.3	0.17	0.09	12	2	0
May	-	-	63.5	79.0	54.7	56.1	.431	.455	.160	.546	73	45	2.2	4.2	7	18	3	2	1	5.8	0.23	0.23	18	1	0
June	-	-	58.9	76.3	49.1	52.1	.351	.393	.154	.522	70	43	0.5	4.1	22	8	0	0	0	0.0	0.00	0.00	-	0	0
July	-	-	58.0	76.8	47.5	54.1	.331	.422	.156	.508	68	46	0.9	3.2	25	3	0	3	0	0.0	0.00	0.00	-	0	0
August	-	-	60.8	76.7	49.2	50.2	.354	.366	.186	.561	66	39	1.0	3.0	23	6	0	1	1	0.8	0.00	0.00	-	0	0
September	-	-	62.7	80.8	50.6	48.1	.372	.340	.204	.694	65	33	1.0	2.9	19	9	1	0	1	0.0	0.00	0.00	-	0	0
October	-	-	66.9	83.4	53.9	52.7	.419	.753	.248	.753	63	35	2.5	3.6	2	26	0	2	1	0.0	0.00	0.00	-	0	0
November	-	-	68.1	85.6	55.0	51.5	.437	.384	.257	.856	63	31	3.4	3.2	0	24	0	3	3	30.7	1.21	0.68	27	5	0
December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Year	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

@ 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	h 14.30	Extremes of Temperature of the Air. Max.	Date	Min.	Date	Mean Max.	Mean Min.	Range Max.	Range Min.	Range Mean	Frequency of Visibility at 9.30 Fog	Mist	Good Vis.
													m.p.h.	m.p.h.	F.		F.	%	F.	F.	F.	F.	F.			
January	0	0	11	9	1	0	0	0	10	19	2	0	5.1	8.7	84.9	1	60.0	often	79.4	61.7	18.5	22.7	11.8	17.7	0	7	24
February	0	0	4	11	2	4	7	0	1	20	8	0	9.4	8.9	82.1	9	60.0	often	79.8	61.6	18.7	20.7	11.7	18.2	0	6	23
March	0	0	4	4	2	0	1	0	1	10	1	0	7.8	10.1	81.9	31	59.0	11,31	78.8	61.1	17.7	69.9	22.9	10.6	17.4	0	3	9
April	0	1	9	8	6	1	3	0	2	15	13	0	12.1	11.8	83.1	30	54.0	8	80.4	60.4	20.4	70.4	24.0	14.9	20.0	0	20	10
May	0	0	11	6	5	2	5	0	2	21	8	0	10.7	11.2	83.7	5,8	50.0	25	81.2	58.0	23.2	69.6	29.8	17.4	23.2	0	18	13
June	0	0	6	6	10	5	0	0	3	17	10	0	11.4	10.3	82.9	2	49.9	12	78.7	53.9	24.8	66.3	29.2	19.6	24.8	0	26	4
July	1	0	8	5	4	5	0	0	3	22	6	0	9.6	8.5	82.7	23	50.0	20	79.6	53.1	26.5	66.3	31.7	22.0	26.3	0	19	12
August	0	0	3	12	6	6	3	0	1	19	11	0	11.9	10.3	82.7	31	50.5	20	79.5	55.5	24.0	67.5	29.3	15.8	24.1	0	11	20
September	0	0	8	5	11	5	1	0	0	17	13	0	13.6	8.1	89.5	22	48.1	6	83.6	58.7	30.9	71.1	33.4	18.6	24.9	0	15	15
October	0	0	9	4	10	7	1	0	0	17	14	0	13.6	7.4	88.5	often	60.1	2,3,4	85.6	63.3	22.3	74.5	26.3	15.2	22.1	0	0	31
November	0	0	5	9	5	5	4	0	2	18	10	0	10.5	9.6	90.8	25	60.1	20	87.4	63.5	23.9	75.5	29.2	18.3	23.9	0	2	28
December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Year	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT DAR ES SALAAM, 1948.

Lat.: 6°50'18 Long.: 39°18'E Alt.: 47 ft. Standard Time 3h 00m East. Ref. No. 96.39/18.

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 mm.	Rainfall Total ins.	Rainfall Max. Fall in 24hrs.	Rainfall Date	Number of Days of Rain	Number of Days of Thunder.
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%										ins.			
January	29.831	29.456	80.7	84.2	75.5	75.7	.892	.898	.168	.206	84	76	7.0	5.7	0	2	9	18	2	112.0	4.41	2.37	20	7	2
February	29.861	29.775	81.1	84.8	75.8	75.6	.801	.895	.171	.313	84	74	5.6	4.9	0	4	17	8	0	57.4	2.26	1.07	18	10	6
March	29.831	29.746	79.6	86.1	75.7	76.3	.898	.915	.124	.343	88	73	6.9	6.1	0	5	7	17	2	64.8	2.55	0.61	10	15	10
April	29.858	29.781	77.2	82.5	74.7	74.7	.868	.868	.077	.254	92	78	6.4	6.2	0	6	8	12	4	357.1	14.06	1.73	3	25	12
May	29.911	29.834	76.3	84.5	73.4	72.5	.830	.896	.085	.390	91	67	5.8	7.2	1	9	4	14	3	133.1	5.24	1.24	12	16	4
June	30.000	29.926	73.4	81.7	69.7	70.1	.732	.744	.098	.349	88	68	3.5	6.6	0	20	3	6	1	76.5	3.01	1.78	22	11	0
July	30.005	29.929	71.9	81.6	68.4	67.6	.703	.682	.088	.408	89	62	3.9	7.1	1	16	7	4	3	26.9	1.06	0.40	25	8	0
August	30.008	29.929	72.0	81.3	68.7	67.2	.709	.674	.082	.404	89	63	5.3	6.3	0	13	4	13	1	17.5	0.69	0.23	11	12	0
September	29.902	29.884	75.3	82.0	69.3	67.7	.724	.685	.162	.446	82	61	2.8	4.0	1	22	4	3	0	6.3	0.25	0.07	13,28	7	0
October	29.590	29.843	79.7	83.9	73.4	71.6	.838	.783	.195	.389	81	67	5.2	4.6	0	10	11	9	1	164.3	6.47	4.12	11	14	3
November	29.902	29.816	81.6	83.8	74.9	74.3	.877	.856	.210	.313	81	73	5.1	5.0	0	8	14	8	0	33.8	1.33	0.63	1	12	0
December	29.837	29.751	80.5	84.1	75.6	75.9	.885	.907	.156	.274	85	77	6.5	6.2	0	5	9	11	6	125.0	4.92	1.97	12	14	6
Year	29.914	29.806	77.4	83.5	72.9	72.4	.820	.809	.135	.347	86	70	5.3	6.0	3	120	97	123	23	1174.7	44.25	4.12	Oct. 11	151	43

● 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.	Range Min.	Mean	Frequency of Visibility at 8.30 Fog	Mist	Good Vis.
January	21	3	0	0	0	0	1	0	6	24	1	0	5.1	6.8	88.6	17	68.8	22	85.5	77.3	81.4	16.4	4.2	0.2	1	29
February	5	6	0	0	0	2	0	0	16	13	0	0	2.5	6.8	88.2	29	72.0	2, 17	86.9	75.5	81.2	15.0	5.6	11.4	0	29
March	3	2	0	0	0	1	0	1	24	7	0	0	1.1	6.0	92.0	10	71.3	14	88.1	74.5	81.3	19.2	7.0	13.6	0	30
April	0	0	0	0	0	13	0	0	17	13	0	0	1.6	3.1	90.8	1	70.7	13	87.1	73.3	81.2	18.0	2.6	13.8	0	29
May	0	0	0	0	5	5	0	0	21	10	0	0	1.7	2.5	91.2	5	68.8	31	86.6	72.5	79.5	19.1	8.5	14.1	0	30
June	0	0	0	5	20	0	0	0	5	25	0	0	2.2	3.4	87.0	1	62.3	23	84.2	68.2	76.2	21.5	9.9	15.9	0	30
July	0	0	0	0	7	21	0	0	3	28	0	0	2.9	4.5	87.0	10	63.8	8	83.8	67.0	75.4	22.2	11.9	16.8	0	31
August	0	0	0	1	4	16	0	0	10	21	0	0	1.6	6.5	86.8	9	62.4	31	83.7	66.2	74.9	21.2	13.6	17.5	0	31
September	0	0	1	0	5	12	0	0	12	16	2	0	3.1	15.2	88.8	5	61.9	5	84.7	66.5	75.6	26.9	13.9	18.2	0	30
October	0	1	6	5	0	0	0	0	19	12	0	0	1.6	15.2	88.9	8	64.7	5	85.4	70.0	77.7	20.2	9.1	15.4	0	30
November	0	5	3	1	0	3	0	0	18	11	1	0	2.5	11.9	87.5	14	68.8	18	85.7	72.5	79.1	17.6	6.1	13.2	0	30
December	6	5	1	1	4	1	3	0	9	22	0	0	3.6	8.5	90.6	24	70.7	10	86.0	74.4	80.2	18.7	5.2	11.6	0	31
Year	35	22	11	8	27	97	2	4	160	202	4	0	2.4	7.4	92.0	Nov. 10	61.9	Sept. 5	85.6	71.6	78.5	26.9	2.6	14.1	1	5	360

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT DODOMA METEOROLOGICAL STATION, 1948.

Lat.: 6°10'S Long.: 35°46'E Alt.: 3675 ft. Standard Time 3h east of Greenwich Ref. No. 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						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	0	mm.	ins.	in 24 hrs	Date	Rain	der.
	mb.	mb.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%										ins.			
January	26.270	25.190	68.7	80.8	64.0	63.1	.682	.585	.107	.475	85	55	7.1	7.1	0	3	8	16	4	80.0	3.15	1.13	20	10	13
February	26.296	26.208	68.7	84.0	63.3	60.6	.588	.535	.121	.643	83	48	5.5	5.5	0	10	5	11	3	32.5	1.28	0.55	3	8	11
March	26.294	26.196	68.5	82.2	64.1	62.9	.605	.579	.101	.531	86	52	7.5	7.2	0	4	5	13	9	131.8	5.19	4.91	13	15	19
April	26.302	26.223	68.7	82.6	63.8	64.7	.588	.537	.121	.588	83	48	7.5	6.6	0	1	5	24	0	24.6	0.97	0.87	19	5	2
May	26.344	26.267	68.1	82.9	61.0	57.5	.540	.478	.159	.659	78	42	6.4	7.2	0	8	2	21	0	6.3	0.25	0.22	9	3	0
June	26.400	26.323	64.5	80.3	55.7	52.4	.499	.396	.162	.649	73	38	3.0	4.3	5	13	7	5	0	0.0	0.00	0.00		0	0
July	26.385	26.311	63.1	79.0	55.0	51.6	.437	.387	.148	.614	75	39	2.8	4.3	3	18	5	5	0	0.0	0.00	0.00		0	0
August	26.319	26.302	63.2	78.7	55.0	51.7	.437	.387	.148	.638	75	38	4.1	4.6	4	12	4	11	0	0.0	0.00	0.00		0	0
September	26.247	26.249	65.7	83.4	54.3	52.0	.428	.393	.210	.762	67	34	2.6	2.6	8	13	5	4	0	0.0	0.00	0.00		0	0
October	26.232	26.223	69.3	86.7	58.6	52.4	.499	.399	.225	.886	69	31	3.9	4.2	4	12	6	9	0	42.2	1.66	1.66	15	1	1
November	26.211	26.196	70.1	88.0	60.0	51.4	.523	.384	.236	.954	69	29	3.7	4.6	2	16	6	6	0	0.5	0.02	0.02	1	1	3
December	26.268	26.187	70.1	85.6	61.4	56.3	.549	.458	.195	.782	74	37	6.0	7.3	0	11	2	14	4	44.2	1.74	0.72	24	9	6
Year	26.330	26.239	67.4	82.9	59.6	56.1	.520	.460	.161	.682	76	41	5.0	5.5	26	121	60	139	20	362.1	14.26	1.66	Oct. 15	52	56

@ 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 Wind Direction at 14.30		
	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.	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	0	2	21	1	2	2	0	0	3	28	0	0	4.7	4.9	90.3	19	63.0	16,29	84.2	64.7	74.5	26.9	12.6	19.6	0	0	31
February	1	0	25	1	0	0	1	0	1	23	5	0	7.8	8.1	90.5	22	61.0	17	87.1	64.2	75.7	27.6	16.2	22.9	0	0	29
March	1	5	16	3	1	2	1	0	2	22	7	0	7.2	6.0	91.5	6	59.9	14	84.8	64.7	74.7	26.9	14.8	20.1	0	0	31
April	0	3	15	12	0	0	0	0	0	23	7	0	9.4	10.7	88.3	30	61.8	5	85.4	63.9	74.7	25.5	13.8	21.5	0	0	30
May	0	2	9	20	0	0	0	0	0	10	21	0	12.8	15.0	88.7	5,6	57.6	31	85.5	62.1	73.8	27.6	17.3	23.4	0	0	31
June	0	0	12	18	0	0	0	0	0	9	21	0	13.0	14.5	85.2	8	53.0	20,24	82.7	57.1	69.9	31.2	17.1	25.5	0	0	30
July	0	0	19	12	0	0	0	0	0	3	28	0	15.7	13.9	86.3	29	52.7	8	81.5	56.6	69.1	30.1	14.8	24.9	0	0	31
August	0	0	29	2	0	0	0	0	0	1	30	0	16.1	16.8	84.0	9, 12	53.8	18	81.3	57.9	69.6	26.9	17.3	23.4	0	0	31
September	0	0	25	5	0	0	0	0	0	3	27	0	16.1	13.4	90.0	22	52.0	5	84.8	58.9	71.9	29.4	19.7	25.9	0	0	30
October	0	0	25	6	0	0	0	0	0	1	30	0	15.9	16.8	91.0	10,20	57.9	6	87.7	62.4	75.1	29.9	18.3	25.2	0	0	31
November	0	0	29	1	0	0	0	0	0	1	29	0	15.9	15.4	92.0	often	61.8	7	88.9	63.9	76.4	28.6	18.9	25.0	0	0	30
December	1	2	23	1	0	3	0	1	0	17	14	0	9.2	8.9	94.3	3	62.1	25	87.5	65.3	76.4	26.8	13.5	22.3	0	0	31
Year	3	14	248	82	3	7	2	1	6	141	219	0	12.0	12.0	94.3	Dec. 3	52.0	Sept. 5	85.1	61.8	73.5	31.2	12.6	23.3	0	0	366

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT RINGA 2ND ORDER STATION, 948.

Lat.: 7°47'8 Long.: 35°42'E Alt.: 53.0 ft Standard Time 3h GMT Sanc. Ref. No. 97.35 00.

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	h 14.30	Number of Occasions at 8.30h of Cloud Amounts 0	1-3	4-6	7-9	10	Rainfall Total mm.	Max. Fall in 24hrs. Inches.	Date	Rain	Number of Days of Thunder.
	Inc.	Inc.	F.	F.	F.	F.	Ins.	Ins.	Ins.	Ins.	%	%									Ins.			Ins.
January	-	-	62.9	70.9	59.4	60.9	.511	.590	.068	.225	88	71	7.9	8.4	0	0	7	17	7	215.9	8.50	1.86	28	20	0
February	-	-	63.7	74.9	58.5	59.1	.496	.508	.101	.366	83	58	6.6	7.9	0	3	8	16	2	63.8	2.51	0.74	6	10	0
March	-	-	62.6	72.0	58.9	60.3	.502	.529	.071	.265	88	67	8.2	8.4	0	0	5	18	8	193.0	7.60	1.07	17	21	0
April	-	-	62.8	78.1	57.8	59.5	.484	.514	.095	.458	84	53	5.3	7.0	0	10	9	11	0	65.8	2.59	0.94	23	8	0
May	-	-	62.1	72.9	55.0	56.3	.437	.455	.124	.363	78	56	6.5	8.0	0	0	15	16	0	24.9	0.98	0.82	19	3	0
June	-	-	57.9	70.1	49.3	50.4	.354	.389	.133	.375	73	49	5.2	7.1	2	6	15	5	2	0.3	0.01	0.01	28	1	0
July	-	-	57.2	68.9	47.7	48.4	.334	.343	.139	.372	71	48	2.9	3.6	4	20	6	1	0	0.3	0.01	0.01	26	1	0
August	-	-	59.0	70.3	49.2	50.4	.354	.369	.151	.378	70	49	3.6	3.9	1	21	5	4	0	0.0	0.00	0.00	-	0	0
September	-	-	60.9	75.3	51.3	55.9	.381	.452	.159	.434	71	51	2.3	5.8	11	12	4	3	0	3.0	0.12	0.12	22	1	0
October	-	-	66.0	78.0	53.8	53.2	.419	.410	.228	.559	65	42	3.4	5.6	3	20	2	6	0	8.6	0.34	0.32	28	2	0
November	-	-	66.9	80.5	54.0	52.9	.422	.405	.245	.646	64	38	4.1	7.0	3	16	2	9	0	37.3	1.47	1.35	18	5	0
December	-	-	66.5	76.7	56.5	54.4	.461	.428	.192	.499	71	46	6.4	8.3	1	10	1	12	7	63.5	2.50	0.87	23	11	0
Year	-	-	62.3	74.1	54.3	55.1	.429	.443	.142	.412	74	52	5.2	6.9	25	118	79	118	26	676.4	26.63	1.86	Jan. 28	83	0

@ 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. 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	0	0	0	3	0	3	0	1	26	5	0	0	0.7	4.7	80.0	17	54.0	14	75.2	58.8	67.8	26.0	4.0	16.4	0	0	31
February	0	0	0	4	0	0	0	0	25	4	0	0	0.4	1.8	81.5	16	54.0	1	77.7	58.0	67.9	24.5	6.0	19.7	0	0	29
March	0	0	0	1	0	1	0	0	29	2	0	0	0.2	2.5	81.0	4	53.6	30	76.7	58.2	67.5	23.7	12.0	18.5	0	0	31
April	0	1	0	13	0	7	0	0	9	21	0	0	2.2	2.5	-	-	56.4	24	-	59.0	-	-	-	-	0	0	30
May	0	1	0	24	0	0	0	0	6	22	3	0	3.1	3.4	80.0	1	54.0	5	74.7	57.6	66.1	25.0	12.0	17.0	0	0	31
June	0	2	0	25	0	0	0	0	5	25	0	0	2.9	3.8	78.0	14	49.0	17	72.2	53.8	63.0	26.4	10.0	18.4	0	0	30
July	0	1	0	28	0	0	0	0	2	29	0	0	4.9	2.2	76.0	often	51.0	7,23	71.4	53.5	62.5	25.0	9.0	17.9	0	0	31
August	0	0	0	26	0	0	0	0	5	23	3	0	5.1	2.9	79.7	24	49.0	2	72.5	53.9	63.2	27.0	13.2	18.6	0	0	31
September	0	0	0	17	0	1	0	0	12	17	1	0	3.4	2.2	85.2	21	47.2	5	77.5	53.9	65.7	33.0	14.0	23.6	0	0	30
October	0	0	0	14	0	0	0	0	17	14	0	0	0.9	1.6	84.6	19	53.6	5	81.1	57.6	69.3	29.5	13.7	23.5	0	0	31
November	0	2	0	13	0	3	0	0	12	18	0	0	1.6	3.1	87.6	1	55.0	11	82.2	57.8	70.0	30.1	17.8	24.4	0	0	30
December	0	1	0	12	0	4	0	1	13	16	2	0	2.5	2.9	85.6	1	55.1	1	79.5	59.7	69.6	30.5	9.0	19.8	0	0	31
Year	0	8	0	178	0	17	0	2	161	196	9	0	2.5	2.8	-	-	47.2	Sept. 5	-	56.8	-	-	-	-	0	0	366

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT KIGOMA METEOROLOGICAL STATION, 1948

Lat.: 4°55'S Long.: 29°38'E Alt.: 2903 ft. Standard Time 3h 00m East. Ref. No. 94.29/C4.

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	14.30	Saturation Deficit h 8.30	14.30	Relative Humidity h 8.30	14.30	Total Cloud Amt. h 8.30	14.30	Number of Occasions at 8.30 h of Cloud Amounts 0	1-3	4-6	7-9	10	Rainfall Total mm.	Max. Fall in 24hrs ins.	Date	Rain	Number of Days of Thun-der.
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%												
January	26.976	26.928	70.4	76.7	65.1	68.1	.626	.694	.124	.233	83	75	8.7	7.9	0	1	1	23	6	83.4	3.27	1.50	2	.4	28
February	26.987	26.934	70.2	77.9	65.6	67.7	.638	.685	.109	.281	86	71	8.0	7.4	0	0	1	6	16	98.0	3.86	1.81	23	7	21
March	26.988	26.937	70.1	76.2	65.5	67.6	.635	.682	.109	.231	85	75	8.5	7.5	0	0	5	16	10	110.7	4.56	1.07	26	15	28
April	26.976	26.925	71.4	78.5	66.1	68.6	.647	.706	.130	.280	83	72	8.1	8.1	0	1	7	15	7	82.5	3.25	0.81	3	14	28
May	27.014	26.970	70.1	77.9	65.5	67.0	.635	.667	.109	.299	85	78	8.4	7.5	0	0	5	22	4	78.5	3.09	0.79	10	12	18
June	27.360	27.312	67.6	80.3	59.8	60.5	.520	.532	.162	.510	76	51	4.8	3.4	0	13	5	12	0	0.0	0.00	0.00	–	0	0
July	27.041	26.993	67.1	80.1	57.8	58.4	.481	.496	.189	.541	72	48	5.1	3.0	0	11	9	11	0	0.0	0.00	0.00	–	0	0
August	27.026	26.970	69.8	81.2	57.0	60.9	.470	.510	.265	.535	64	50	6.3	3.4	0	7	6	17	1	1.5	0.06	0.06	4	1	6
September	27.092	26.934	71.3	80.4	61.5	65.2	.552	.626	.222	.422	71	60	7.6	5.5	0	4	1	20	5	30.5	1.20	1.02	15	7	11
October	27.008	26.934	72.3	78.9	63.0	66.6	.582	.659	.218	.339	73	66	8.3	7.4	0	2	3	16	10	166.4	6.55	3.21	29	13	19
November	27.005	26.934	69.9	75.5	65.3	67.5	.632	.679	.109	.213	86	76	8.5	8.3	0	3	1	14	12	188.5	7.42	1.41	24	22	29
December	26.984	26.951	70.7	76.8	65.2	67.4	.629	.679	.130	.254	83	73	8.6	8.0	0	2	3	13	13	61.7	2.43	0.96	20	14	22
Year	27.030	26.975	70.1	78.4	63.1	65.5	.587	.620	.156	.345	79	65	7.5	6.5	0	45	52	195	74	901.4	35.49	3.21	Oct. 29	119	215

@ 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	h 14.30	Extremes of Temperature of the Air. Max.	Date	Min.	Date	Mean Max.	Mean Min.	Mean 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.			
January	0	3	9	16	0	0	2	1	0	31	0	0	8.1	11.0	84.2	16	62.7	15	80.2	66.6	73.4	19.7	5.7	13.6	0	0	31
February	0	1	4	23	0	0	0	1	0	28	1	0	8.9	15.4	87.3	29	62.8	20	82.1	66.7	74.4	19.8	8.3	15.4	0	0	29
March	1	3	6	21	0	0	0	0	0	29	2	0	8.5	9.6	83.3	24	63.5	5	80.5	66.7	73.6	17.2	7.4	13.8	0	1	30
April	0	3	11	15	0	0	0	1	0	26	4	0	8.7	11.0	87.4	2	64.0	4	82.7	67.1	74.9	20.0	8.7	15.7	0	1	29
May	0	0	9	21	0	0	0	1	0	25	6	0	10.1	8.9	85.3	13	63.7	25	81.5	66.9	74.2	21.0	4.5	14.7	0	0	31
June	0	1	11	17	1	0	0	0	0	23	7	0	10.1	11.6	86.9	3	58.0	20	82.7	63.5	73.1	23.2	14.1	19.2	0	0	30
July	0	1	8	22	0	0	0	0	0	26	5	0	8.3	13.6	86.4	26	59.2	20	83.2	63.3	73.3	24.3	16.7	19.9	0	5	26
August	0	1	15	15	0	0	0	0	0	17	14	0	12.3	14.5	90.3	25	61.0	7	84.9	65.5	75.2	25.7	10.0	19.3	0	8	23
September	1	2	8	16	1	0	0	2	0	22	8	0	10.1	13.4	88.3	30	63.5	5	83.9	67.8	75.9	21.0	10.9	16.2	0	10	20
October	0	1	11	16	3	0	0	0	0	24	7	0	9.6	11.6	89.6	2,5	63.6	29	82.4	67.4	74.9	22.7	5.5	15.1	0	0	31
November	0	4	11	13	0	0	0	2	0	27	3	0	8.7	8.7	83.3	10	61.1	25	78.7	65.3	72.0	18.4	4.6	13.4	0	4	26
December	1	3	4	21	0	0	0	2	0	26	5	0	8.3	10.3	85.6	10	63.6	15	80.1	66.9	73.5	17.3	6.7	13.3	0	0	31
Year	3	23	107	214	5	0	2	10	0	304	62	0	9.3	11.6	90.3	Aug. 25	58.0	June 20	81.9	66.1	74.0	25.7	4.5	15.8	0	29	337

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT KILWA METEOROLOGICAL STATION, 1960.

Lat.: 8°45'S Long.: 39°25'E Alt.: 30 feet. Standard Time 3h 00m East. Ref. No. 98.39/0

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 0	1-3	4-6	7-9	10	Rainfall Total (mm.)	Rainfall Max. Fall in 24hrs (Ins.)	Date	Number of days of Rain	Number of days of Thunder
January	–	–	81.3	83.1	78.6	80.3	.986	.992	.092	.101	92	91	7.8	6.9	0	1	5	20	5	204.1	4.10	1.10	6	13	0
February	–	–	81.9	86.7	78.0	80.2	.969	.953	.130	.240	88	81	7.1	5.1	0	0	1	10	17	25.4	1.00	0.34	27	2	0
March	–	–	81.3	85.3	77.3	80.4	.960	.955	.118	.177	89	85	8.0	7.5	0	0	5	25	1	163.8	6.45	2.82	17	13	0
April	–	–	82.2	85.3	78.8	80.1	.992	.992	.118	.189	90	84	8.2	7.2	0	0	4	26	0	138.9	5.47	1.28	10	17	0
May	–	–	81.9	85.1	77.4	80.2	.954	.942	.151	.178	87	85	7.2	6.2	0	2	9	20	0	68.8	2.71	1.72	8	7	0
June	–	–	79.6	84.2	74.5	75.7	.862	.889	.160	.295	85	75	5.8	4.9	0	4	17	9	0	16.3	0.64	0.26	3	4	0
July	–	–	78.8	82.8	72.9	74.5	.815	.862	.180	.272	82	76	5.5	4.6	0	9	9	13	0	6.3	0.25	0.13	17	2	0
August	–	–	77.6	81.9	72.2	74.0	.797	.848	.160	.254	83	77	5.5	4.6	1	0	22	8	0	4.6	0.18	0.05	1.6	4	0
September	–	–	81.8	82.5	73.1	75.1	.842	.880	.225	.242	77	79	6.6	4.9	0	1	14	15	0	1.5	0.06	0.06	30	1	0
October	–	–	83.1	84.1	77.9	77.5	.966	.954	.177	.227	84	80	6.6	5.5	0	0	19	12	0	11.7	0.46	0.22	25	5	0
November	–	–	83.9	85.1	80.2	79.7	0.039	.025	.135	.195	89	84	6.5	6.0	0	0	21	9	0	29.5	1.16	0.90	15	7	0
December	–	–	81.1	84.7	77.1	78.4	0.939	.983	.157	.222	86	80	7.2	6.4	0	0	17	14	0	143.0	5.63	2.65	10	11	0
Year	–	–	81.2	84.2	76.6	78.0	.927	.974	.153	.216	86	81	6.8	5.8	1	18	152	188	7	713.9	28.11	2.82	Mar. 17	91	0

@ 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 h (m.p.h.)	14.30 (m.p.h.)	Extremes of Temperature of the Air. Max. (F.)	Date	Min. (F.)	Date	Mean Max. (F.)	Mean Min. (F.)	Mean (F.)	Max. (F.)	Min. (F.)	Range Max. (F.)	Min. (F.)	Mean (F.)	Frequency of Visibility at 8.30 Fog	Mist	Good Vis.
January	0	0	31	0	0	0	0	0	0	29	2	0	7.2	8.3	–	–	72.0	3	–	75.8	–	–	–	–	–	–	1	1	29
February	0	0	29	0	0	0	0	0	0	27	2	0	5.6	9.2	–	–	73.4	23,26	–	76.3	–	–	–	–	–	–	1	0	28
March	0	0	28	0	0	0	0	0	3	27	1	0	4.7	7.6	–	–	72.5	often	–	74.9	–	–	–	–	–	–	1	3	27
April	0	0	3	17	0	0	0	0	0	27	3	0	7.6	7.8	–	–	71.6	12	–	74.9	–	–	–	–	–	–	0	3	27
May	0	0	0	31	0	0	0	0	0	22	9	0	10.7	11.2	–	–	70.2	25	–	74.0	–	–	–	–	–	–	0	2	29
June	0	0	0	15	14	0	0	0	0	17	13	0	13.9	14.8	–	–	65.7	14	–	70.5	–	–	–	–	–	–	0	0	30
July	0	0	0	0	21	10	0	0	0	20	11	0	10.3	12.5	–	–	67.1	8	–	69.8	–	–	–	–	–	–	0	0	31
August	0	0	0	0	31	0	0	0	0	29	2	0	5.8	8.7	–	–	64.4	5, 7	–	69.2	–	–	–	–	–	–	0	1	30
September	0	0	12	5	7	5	1	0	0	23	7	0	10.1	10.1	85.4	often	66.4	6	83.2	72.5	77.9	15.5	5.9	10.7	–	–	0	0	30
October	0	1	21	6	0	0	3	0	0	27	4	0	7.8	7.6	86.0	often	68.7	27	84.5	75.3	79.9	15.9	6.3	9.2	–	–	0	0	31
November	0	0	29	1	0	0	0	0	0	28	2	0	6.7	8.8	–	–	73.4	12	–	77.7	–	–	–	–	–	–	0	0	30
December	0	0	31	0	0	0	0	0	0	31	0	0	4.3	7.4	–	–	68.0	14	–	75.6	–	–	–	–	–	–	0	0	31
Year	0	1	184	30	115	29	4	0	3	307	56	0	7.9	9.5	–	–	64.4	Aug. 5, 7	–	73.9	–	–	–	–	–	–	3	10	353

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT KONDOA 2ND ORDER STATION, 1948

Lat.: 4°55'S Long.: 35°47'E Alt.: 4547 ft. Standard Time 3h 00m East. Ref. No. 94.35/0.

Month	Atmospheric Pressure 8.30	Atmospheric Pressure 14.30	Temperature Dry Bulb 8.30	Temperature Dry Bulb 14.30	Temperature Dew Point 8.30	Temperature Dew Point 14.30	Vapour Pressure 8.30	Vapour Pressure 14.30	Saturation Deficit 8.30	Saturation Deficit 14.30	Relative Humidity 8.30	Relative Humidity 14.30	Total Cloud Amt. 8.30	Total Cloud Amt. 14.30	Number of Occasions at 8.30 h of Cloud Amounts 0	1-3	4-6	7-9	10	Rainfall Total	Rainfall Max. Fall	Rainfall Max. Fall in 24 hrs.	Rainfall Date	Number of Days of Rain	Number of Days of Thunder
	h	h	h	h	h	h	h	h	h	h	%	%	h	h						mm.	mm.	mm.	Date		
	mns.	mns.	F.	F.	F.	F.	mns.	mns.	mns.	mns.															
January	25.487	25.381	67.0	83.7	61.7	59.6	.555	.517	.112	.149	83	44	5.9	5.9	0	9	7	12	3	115.8	74.55	11.19	20	12	2
February	25.493	25.384	68.3	83.5	61.5	57.3	.552	.475	.146	.252	79	38	4.6	5.0	0	6	6	8	1	6.3	0.91	0.6			
March	25.493	25.387	66.6	83.5	62.4	60.8	.570	.537	.089	.127	86	46	6.0	5.6	0	6	13	5	7	196.0	5.75	[illegible]	6	12	1
April	25.499	25.402	65.0	79.5	60.4	59.1	.532	.508	.133	.151	80	50	6.7	5.6	0	4	7	15	4	49.31	3.55	6.35	24		
May	25.505	25.461	66.4	79.2	59.8	59.4	.520	.511	.136	.140	80	57	6.1	6.1	0	5	11	14	1	17.0	0.65	5.55	28	2	1
June	25.600	25.508	62.2	76.9	55.4	55.1	.443	.440	.12	.096	78	57	5.3	5.1	0	9	14	7	1	0.0	0.00	0.00		0	0
July	25.591	25.505	60.8	76.2	55.2	55.5	.440	.446	.09	.067	82	99	4.6	5.4	0	12	10	6	2	0.0	0.00	0.00		0	0
August	25.582	25.493	61.9	76.8	55.4	56.0	.443	.452	.118	.138	79	98	4.8	5.8	0	13	8	7	3	0.5	0.52	0.02		0	0
September	25.549	25.449	62.4	80.4	54.9	55.5	.437	.440	.133	.138	77	39	5.3	4.4	0	10	7	11	2	0.0	0.00	0.00		0	0
October	25.549	25.422	66.2	84.3	58.2	56.5	.490	.467	.100	.126	75	39	5.2	[illegible]	0	14	10	6	[illegible]	6.6	0.26	0.25	12	1	0
November	25.508	25.425	68.[illegible]	84.8	59.[illegible]	56.0	.508	.455	.120	.153	72	38	4.[illegible]	5.2	0	8	3	7	6	7.9	0.55	0.3	14	1	0
December	25.484	25.387	61.4	81.5	60.4	59.5	.532	.514	.141	.151	79	38	5.9	5.2	0	9	8	7	7	104.31	3.99	[illegible]	27	1	1
Year	25.521	25.434	65.4	81.0	58.7	57.3	.502	.477	.133	.147	79	45	5.5	5.5	0	113	112	105	34	529.0	16.89	[illegible]	30	15	13

6 At station levels corrected for temperature and to standard gravity.

Month	Frequency of Wind Direction at 8.30 h N	NE	E	SE	S	SW	W	NW	Calm	Frequency of Wind Force at 8.30 h 1-3	4-6	≥ 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.	Mean Min.	Range Max.	Range Min.	Range Mean	Range Month	Frequency of Days of Rain ≥ 0.10 in. Freq.	Max.	Thunder Days
January	8	[illegible]	5	[illegible]	[illegible]	3		0	[illegible]	26	4	0	10.3	13.2	90.0	3	59.9	14.3	85.7	62.3	33.[illegible]	25.5	[illegible]	22.8	0	0	[illegible]
February	3	3	10	0	9	[illegible]	2	0	0	17	12	0	11.9	13.9	89.6	5	58.6	3	86.9	62.7	34.8	30.8	32.4	31	0	0	24
March	2	0	[illegible]	0	[illegible]	2	5	0	0	20	11	0	12.5	15.4	86.4	25	59.4	11	84.6	62.7	33.[illegible]	21.4	16.2	29	0	0	[illegible]
April	[illegible]	10	18	0	[illegible]	[illegible]	0	0	0	15	15	0	12.5	14.5	86.5	2	57.0	25	81.3	62.6	31.9	24.8	17.4	18	0	0	30
May	0	8	2[illegible]	[illegible]	1	0	0	0	0	[illegible]	24	0	13.9	15.0	84.6	12	58.1	31	79.8	61.3	30.5	24.2	9.4	18.4	0	0	[illegible]
June	5	16	9	0	0	0	0	0	0	6	22	0	14.1	15.0	82.2	12	51.4	13	77.7	56.2	36.9	30.1	11.9	32.5	0	0	30
July	4	15	[illegible]	0	0	0	0	0	0	12	18	0	13.6	14.1	83.0	11,21	55.4	30	76.9	54.7	35.8	30.2	5.7	22.2	0	0	30
August	1	20	10	0	0	0	0	0	0	8	23	0	15.2	14.6	83.1	9	52.4	9	77.9	56.3	37.1	27.3	15.3	21.6	0	0	31
September	2	18	10	0	0	0	0	0	0	7	23	0	15.4	15.0	86.0	2,22	48.6	5	81.4	58.1	39.7	35.8	23.4	0	0	0	30
October	4	16	[illegible]	0	0	0	0	0	0	7	24	0	16.6	16.1	89.6	26	55.9	6	85.2	60.5	32.9	29.3	20.3	24.7	0	0	31
November	2	16	[illegible]	0	0	0	0	0	0	11	18	0	13.6	15.7	90.0	25	59.4	22	86.1	62.7	34.4	27.2	14.4	23.4	0	0	29
December	1	18	17	1	1	0	0	1	0	13	18	0	14.5	15.4	89.8	3	59.0	22	83.4	63.1	33.5	25.2	8.8	24.3	0	0	31
Year	33	163	144	3	4	7	8	1	1	151	212	0	13.6	14.7	90.0	Jan. 3 Oct. 25	48.6	Sept. 5	82.2	60.3	31.3	30.8	8.8	21.9	0	0	364

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT LINDI METEOROLOGICAL STATION, 1946

Lat.: 10°00'S Long.: 39°42'E Alt.: 127 ft Standard Time 3h 00m East. Ref. No. 100.39/8c.

Month	Atmospheric Pressure at 0		Temperature				Vapour Pressure		Saturation Deficit		Relative Humidity		Total Cloud Amt.		Number of Occasions at 8.30 of Cloud Amounts					Rainfall				Number of Days of	
	h 8.30	h 14.30	Dry Bulb 8.30	Dry Bulb 14.30	Dew Point 8.30	Dew Point 14.30	h 8.30	h 14.30	h 8.30	h 14.30	h 8.30	h 14.30	8.30	14.30	0	1-3	4-6	7-9	10	Total mm.	Max. Fall in 24hrs. mm.	Date	Rain	Thunder.
	Ins.	Ins.	F.	F.	F.	F.	Ins.	Ins.	Ins.	Ins.	%	%													
January	29.751	29.675	78.8	83.7	73.7	74.1	.839	.850	.130	.316	87	73	7.7	7.9	0	1	7	18	5	215.4	8.48	20	15	14
February	29.793	29.698	78.8	86.5	74.1	74.2	.850	.853	.145	.423	86	67	5.6	6.8	0	7	10	11	1	78.0	3.07	1.80	9	11	19
March	29.775	29.678	77.0	85.4	73.4	74.6	.830	.865	.106	.366	89	70	6.8	6.6	0	9	2	17	3	185.4	7.30	2.58	19	16	19
April	29.805	29.719	77.1	83.7	73.2	74.1	.821	.850	.112	.316	88	73	4.0	7.0	0	17	6	7	0	206.8	8.14	2.25	11	15	14
May	29.867	29.781	75.5	85.8	70.1	70.5	.744	.753	.148	.493	83	61	3.5	6.3	1	18	5	7	0	19.6	0.77	0.42	13	7	5
June	29.961	29.870	72.0	85.1	66.4	67.2	.656	.675	.138	.534	83	55	2.9	6.5	0	22	2	6	0	2.0	0.08	0.06	23	2	0
July	29.961	29.878	71.7	84.4	67.1	70.2	.670	.747	.116	.446	85	63	3.0	5.7	3	18	5	5	0	4.8	0.19	0.15	18	3	0
August	29.955	29.867	72.4	83.7	67.3	71.2	.676	.771	.127	.393	84	66	3.9	5.6	1	17	4	8	1	1.8	0.07	0.02	often	4	0
September	29.920	29.828	75.1	85.1	68.4	70.7	.703	.759	.177	.384	80	67	4.0	3.5	2	13	6	9	0	5.8	0.23	0.19	24	3	0
October	29.878	29.793	79.6	84.5	72.2	73.0	.791	.821	.225	.375	78	69	7.2	3.3	0	2	7	22	0	0.8	0.03	0.02	2	2	0
November	29.840	29.751	81.0	85.6	75.6	76.9	.845	.922	.214	.307	84	75	5.9	3.7	0	4	11	15	0	57.1	2.25	1.35	2	5	4
December	29.783	29.672	80.0	86.0	74.4	75.4	.859	.889	.175	.360	83	71	7.2	6.3	0	1	8	16	4	128.8	5.07	1.70	26	14	13
Year	29.856	29.767	76.5	84.8	71.3	72.7	.779	.814	.148	.394	84	67	5.1	5.7	7	129	73	143	13	906.3	42.68	2.58	Mar. 19	97	88

0 m station levels corrected for temperature and to standard gravity.

Month	Frequency of Wind Direction at 8.30								Calm	Frequency of Wind Force at 8.30			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	4-6	7-9	h 8.30 m.p.h.	h 14.30 m.p.h.	Max.	Date	Min.	Date	Mean Max. F.	Mean Min. F.	Max Range Max. F.	Min. F.	Mean F.	Fog	Mist	Good Vis.
January	1	0	0	9	3	10	1	6	0	30	0	0	3.4	7.8	50.0	1,5	70.4	8	87.4	74.0	80.7	16.7	6.0	13.4	0	.	30
February	0	0	0	7	6	0	0	6	0	29	0	0	3.4	9.2	91.2	3	71.1	15	85.1	74.2	81.7	19.7	10.8	14.9	0	0	29
March	0	0	0	3	9	15	2	2	0	30	1	0	4.5	7.8	93.2	4	70.5	20	86.4	73.3	80.9	20.6	7.1	15.1	0	0	31
April	0	0	0	0	2	21	0	1	0	30	0	0	6.0	7.4	92.0	3	71.2	11,19	87.9	72.8	80.3	20.4	9.1	15.1	0	0	30
May	0	0	0	1	2	28	0	0	0	31	0	0	7.2	8.3	90.2	5,11	65.6	31	88.2	71.2	79.7	22.2	9.3	17.0	0	0	31
June	0	0	0	1	1	28	0	0	0	29	1	0	7.4	10.1	89.8	7,16	59.6	12	87.4	67.1	77.3	27.0	13.1	20.3	0	0	30
July	0	0	0	2	4	25	0	0	0	30	1	0	5.8	9.8	89.4	1	62.8	6	87.2	66.7	76.9	24.4	16.6	20.5	0	0	31
August	0	0	0	1	1	28	0	0	0	30	1	0	6.9	10.5	93.2	17	64.8	10	86.6	67.2	76.9	25.2	12.0	19.4	0	0	31
September	1	1	0	6	8	14	0	0	0	27	3	0	5.8	12.8	93.3	2	63.5	5	86.4	68.7	77.4	26.7	11.5	17.4	0	0	30
October	0	11	0	11	6	3	0	0	0	31	0	0	4.0	13.4	90.6	29	67.8	5	87.2	72.8	80.0	19.9	9.5	14.4	0	0	31
November	1	11	0	10	4	3	0	1	0	29	1	0	3.8	11.6	92.0	15	71.1	9	88.0	74.4	81.2	18.4	6.0	13.6	0	0	30
December	1	2	1	6	5	12	0	1	0	28	0	0	2.9	8.7	93.8	22	65.8	27	88.8	74.5	81.7	18.5	10.5	14.3	0	1	30
Year	4	25	1	56	61	195	3	17	4	354	8	0	5.1	9.8	93.8	Dec. 22	59.6	June 12	87.7	71.4	79.5	27.0	6.0	16.3	0	2	364

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT LOURENÇO MARQUES 1948

Lat.: 25°58'S Long.: 35°31'E Alt.: 7000 ft. Standard Time 3h 00m East. Ref. No. 92.35/01.

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 Total ins.	Rainfall Max. Fall in 24h mm.	Rainfall Max. Fall in 24h ins.	Date	Number of Days of Rain	Number of Days of Thunder.
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%														
January	–	–	69.0	70.3	53.5	51.0	.415	.378	.130	.172	77	51	4.2	5.1	8	6	7	9	1	55.9	2.20	0.59	15.0	10		
February	–	–	69.1	73.5	53.1	48.6	.408	.346	.135	.187	76	41	4.5	4.3	4	10	5	8	2	27.2	1.07	0.52	5	4	6	
March	–	–	61.2	72.1	51.9	53.0	.419	.405	.127	.192	77	51	4.8	4.6	4	10	2	8	4	102.1	4.02	1.24	9	12	0	
April	–	–	59.0	70.4	55.2	53.6	.440	.413	.065	.337	87	55	8.0	5.0	0	4	2	13	11	206.2	8.12	1.56	22	13	0	
May	–	–	58.9	69.4	53.9	51.3	.419	.381	.083	.345	84	53	8.7	4.0	0	4	2	12	16	25.1	0.99	0.87	28	4	0	
June	–	–	58.0	68.4	52.1	49.5	.393	.357	.094	.346	81	51	8.5	5.1	0	3	2	8	17	5.3	0.21	0.08	10	3	0	
July	–	–	54.0	69.0	50.4	50.7	.369	.372	.053	.346	88	52	9.5	4.8	0	0	0	9	22	0.0	0.00	0.00	–	0	0	
August	–	–	53.7	68.5	49.3	51.0	.354	.378	.062	.328	85	54	8.4	4.2	0	4	0	12	15	2.3	0.09	0.08	3	2	0	
September	–	–	55.6	69.1	50.4	50.1	.369	.366	.077	.352	83	51	6.7	5.1	2	8	1	9	10	19.0	0.75	0.36	14	5	0	
October	–	–	58.3	72.5	51.7	49.1	.387	.351	.103	.355	79	43	7.0	3.9	0	6	3	15	7	5.1	0.20	0.16	15	3	0	
November	–	–	58.2	70.4	52.6	51.6	.402	.384	.088	.369	83	51	6.9	4.9	0	5	6	13	6	46.7	1.84	0.75	14	8	0	
December	–	–	58.0	66.6	53.2	51.9	.410	.390	.077	.271	84	59	7.6	5.6	1	7	1	7	15	188.5	7.42	1.56	9	18	0	
Year	–	–	58.1	70.0	52.4	50.9	.399	.377	.091	.367	82	51	7.1	4.7	19	64	34	123	126	683.4	26.91	1.56	Apr 22	82	1	

@ 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	4-7	≥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.	Mean Min.	Max.	Date	Min.	Date	Mean Max.	Mean Min.	Frequency of Visibility at 8.30 Fog	Mist	Good Vis.
															F.		F.		F.	F.	F.		F.		F.	F.			
January	0	31	0	0	0	0	0	0	0	25	6	0	11.0	17.4	76.3	17	45.0	2,12	72.9	48.9	80.9	29.2	16.3	24.0	0	0	31
February	0	29	0	0	0	0	0	0	0	9	20	0	18.6	18.1	76.2	5,24	46.0	11	74.9	50.1	82.5	30.0	16.6	24.7	0	0	29
March	0	31	0	0	0	0	0	0	0	11	20	0	19.0	22.4	78.4	26	47.0	often	73.8	50.3	82.1	30.4	18.1	23.6	0	0	31
April	0	30	0	0	0	0	0	0	0	13	17	0	17.7	18.8	75.0	4	48.0	11	71.4	53.1	82.3	26.0	10.9	18.3	0	1	29
May	0	31	0	0	0	0	0	0	0	15	16	0	14.8	22.1	72.0	often	50.0	often	70.3	51.4	80.9	28.0	16.7	18.9	0	4	27
June	0	30	0	0	0	0	0	0	0	16	14	0	14.5	19.0	71.0	often	47.0	often	69.3	49.8	79.5	23.9	16.0	19.5	0	1	29
July	0	30	1	0	0	0	0	0	0	13	18	0	17.2	19.5	–	–	46.0	often	–	47.2	–	–	–	–	1	0	30
August	0	31	0	0	0	0	0	0	0	15	16	0	16.1	16.8	–	–	44.0	often	–	46.0	–	–	–	–	0	1	30
September	0	27	3	0	0	0	0	0	0	20	10	0	13.0	13.9	75.0	15,21	44.0	often	71.6	47.1	59.3	29.0	18.0	24.6	0	0	30
October	0	16	15	0	0	0	0	0	0	7	24	0	20.6	20.1	75.0	often	47.0	8	73.4	49.9	61.7	26.0	19.0	23.5	0	0	31
November	0	28	2	0	0	0	0	0	0	7	23	0	16.8	17.2	75.0	13	48.0	25	73.4	50.6	62.0	25.0	18.0	22.8	0	0	30
December	0	27	4	0	0	0	0	0	0	13	18	0	14.5	19.1	74.0	5	48.0	often	70.5	50.3	60.4	26.0	19.0	20.2	0	0	31
Year	0	341	25	0	0	0	0	0	0	164	202	0	16.1	18.3	–	–	44.0	†	–	49.5	–	–	–	–	1	7	358

† August, September and often.

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT LYAMUNGU, MOSHI, 1948.

Lat.: 3°14'S Long.: 37°15'E Alt.: 4100 ft. Standard Time 3h 00m East. Ref. No. 93.37/21.

Month	Atmospheric Pressure @ 8.30 h	14.30 h	Temperature Dry Bulb 8.30 h	14.30 h	Temperature Dew Point 8.30 h	14.30 h	Vapour Pressure 8.30 h	14.30 h	Saturation Deficit 8.30 h	14.30 h	Relative Humidity 8.30 h	14.30 h	Total Cloud Amt. 8.30 h	14.30 h	Number of Occasions at 8.30 h of Cloud Amounts 0	1-3	4-6	7-9	10	Rainfall Total mm.	Max. Fall in 24hrs.	Date	Rain	Thunder.
	ins.	h	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%								ins.	ins.			
January	-	-	67.8	82.5	59.1	59.4	.588	.602	.180	.602	74	46	3.1	6.6	5	15	5	5	1	18.3	0.72	0.30	21	5	0
February	-	-	67.8	83.3	59.0	58.4	.505	.496	.180	.656	74	43	2.8	6.1	8	14	2	3	2	26.4	1.04	0.41	21	5	0
March	-	-	68.1	79.7	61.3	61.4	.546	.552	.148	.473	79	54	4.1	7.0	4	14	3	5	5	80.0	3.15	1.62	10	8	2
April	-	-	64.4	75.3	62.2	63.7	.564	.597	.047	.289	92	67	9.4	7.4	0	0	1	9	20	388.9	15.31	2.40	16	26	0
May	-	-	65.1	71.6	61.2	62.7	.546	.576	.036	.207	94	74	9.5	7.5	0	1	0	4	26	405.1	15.95	3.39	17	29	0
June	-	-	60.1	68.3	58.0	58.6	.487	.499	.039	.198	93	71	9.5	7.5	0	1	1	1	27	97.3	3.83	1.05	22	23	0
July	-	-	58.6	67.0	56.5	56.8	.461	.467	.038	.203	93	70	9.7	7.8	0	0	2	1	28	41.9	1.65	0.43	1	18	0
August	-	-	59.1	70.3	56.6	56.3	.464	.458	.044	.289	92	61	9.0	6.9	0	2	2	4	23	13.5	0.53	0.10	7	10	0
September	-	-	60.5	73.1	57.3	57.1	.475	.473	.057	.351	90	58	8.0	6.5	1	4	1	6	17	8.9	0.35	0.08	26	7	0
October	-	-	64.8	79.0	59.4	57.8	.511	.484	.109	.517	82	49	7.3	4.8	0	6	4	10	11	58.9	2.32	1.66	3	9	0
November	-	-	66.5	78.8	60.6	59.8	.535	.520	.121	.475	81	52	6.5	6.4	1	7	4	13	5	47.0	1.85	1.40	14	7	0
December	-	-	66.3	76.5	61.5	62.5	.552	.570	.101	.351	85	62	7.7	7.9	0	5	4	8	14	102.8	6.41	3.45	13	12	0
Year	-	-	63.9	75.4	59.4	59.5	.513	.525	.092	.384	86	59	7.2	6.9	19	69	29	69	179	1149.0	53.11	3.45	Dec. 13	159	2

@ 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.	Abs. Max. Min.	Range Max.	Min.	Mean	Frequency of Visibility at 8.30 Fog	Mist	Good Vis.
January	2	6	4	2	0	1	0	3	13	18	0	0	1.6	5.4	90.0	31	52.2	16	F. 85.2	F. 57.0	F. 71.1	F. 36.8	F. 16.2	F. 28.2	0	0	31
February	4	4	5	4	2	0	0	0	10	19	0	0	2.7	4.7	91.2	16	52.7	29	86.8	55.9	71.3	37.2	20.1	30.9	0	0	29
March	5	8	2	6	1	0	1	0	8	23	0	0	2.0	4.7	88.2	24	55.0	20	83.5	58.3	70.9	32.8	14.0	25.2	0	1	30
April	0	1	2	9	6	0	1	0	11	19	0	0	2.2	2.7	88.0	3	52.3	11	77.9	60.1	69.0	26.9	4.5	17.8	4	8	18
May	0	1	1	13	6	0	0	0	10	21	0	0	2.0	2.0	80.6	16	56.8	13	73.3	60.5	66.9	19.3	6.9	12.8	8	9	14
June	0	0	1	16	3	0	1	0	9	21	0	0	1.8	3.6	74.8	2	52.5	13	70.0	57.7	63.9	19.1	5.4	12.3	1	13	16
July	0	0	0	16	1	0	0	0	14	17	0	0	2.0	3.8	73.4	25	50.4	18	69.1	55.9	62.5	20.8	6.3	13.2	3	3	25
August	0	0	2	14	4	0	0	0	11	20	0	0	2.0	4.9	76.1	12	49.5	28	71.8	55.6	64.7	25.7	8.4	16.2	2	5	24
September	0	0	2	18	1	0	0	0	8	21	0	0	2.2	5.8	80.6	18,21	48.9	6	74.9	54.8	64.9	30.1	11.0	20.2	5	1	23
October	0	0	1	19	0	0	0	0	11	20	0	0	2.5	8.9	85.3	28	48.4	22	81.0	55.7	68.3	34.4	17.5	25.3	0	1	30
November	1	1	2	11	1	3	0	0	11	19	0	0	2.2	5.8	86.9	26	51.8	22	81.5	57.0	69.3	30.4	6.0	24.5	0	3	27
December	3	0	4	9	4	1	1	2	7	23	1	0	2.7	4.3	85.6	4	54.1	8	79.3	59.7	69.5	29.3	9.7	19.6	4	0	27
Year	15	21	26	137	29	5	4	5	123	241	1	0	2.1	4.7	91.2	Feb. 16	48.4	Oct. 22	77.9	57.3	67.6	37.2	5.4	20.6	27	44	294

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT ABEYA METEOROLOGICAL STATION, 1968

Lat: 8°56'N Long: 38°28'E Alt.: 2696 ft. Standard Time 3h 00m East. Ref. No. 98.33/01.

Month	Atmospheric Pressure* 8.30	Atmospheric Pressure* 14.30	Temperature Dry Bulb 8.30	Temperature Dry Bulb 14.30	Temperature Dew Point 8.30	Temperature Dew Point 14.30	Vapour Pressure 8.30	Vapour Pressure 14.30	Saturation Deficit 8.30	Saturation Deficit 14.30	Relative Humidity 8.30	Relative Humidity 14.30	Total Cloud Amt. 8.30	Total Cloud Amt. 14.30	Number of Occasions of Cloud Amounts 0	1-3	4-6	7-9	10	Rainfall Total	Rainfall Max. fall in 24 hrs.	Date	Number of days of Rain	Thun-der
	Ins.	Ins.	F.	F.	F.	F.	mm.	Ins.	mm.	Ins.	%	%								mm.	Ins.			
January	24.477	24.415	62.0	69.2	57.9	59.3	.484	.511	.077	.210	86	71	9.1	9.3	0	0	2	14	15	259.3	10.21	13	20	28
February	24.489	24.454	62.9	71.4	57.4	59.6	.475	.514	.104	.263	82	66	8.7	8.8	0	1	3	11	14	134.6	5.30	1.02	24	18	25
March	24.486	24.424	62.7	70.0	57.8	59.5	.484	.517	.092	.224	84	69	9.1	9.3	0	1	1	11	18	156.7	6.17	1.86	20	20	25
April	24.492	24.448	62.5	71.0	56.8	60.1	.467	.526	.103	.242	82	69	6.0	8.1	0	7	8	9	4	117.3	4.62	1.52	2	18	15
May	24.528	24.486	68.9	76.8	53.9	58.0	.419	.487	.121	.275	78	64	2.9	5.2	0	22	6	3	0	4.6	0.18	0.11	13	3	2
June	24.566	24.533	56.5	68.8	48.4	51.9	.343	.398	.118	.322	75	55	1.7	3.4	1	26	2	1	0	0.0	0.00	0.00	-	0	0
July	24.551	24.513	55.5	69.1	46.9	49.1	.325	.351	.121	.367	73	49	2.3	2.9	0	26	3	2	0	0.0	0.00	0.00	-	0	0
August	24.542	24.498	57.6	69.9	48.1	50.8	.340	.375	.141	.363	71	51	2.8	3.3	2	24	3	2	0	0.0	0.00	0.00	-	0	0
September	24.519	24.454	60.1	75.8	49.7	50.6	.360	.372	.166	.585	69	42	2.4	4.1	6	17	3	4	0	5.1	0.20	0.18	24	2	3
October	24.510	24.439	64.5	76.2	54.1	53.2	.422	.410	.192	.583	69	45	4.2	6.2	2	11	9	8	1	64.0	2.52	1.17	14	9	14
November	24.495	24.424	66.2	76.8	54.1	53.6	.425	.416	.225	.514	65	45	5.4	6.9	0	9	10	11	0	44.2	1.74	0.82	28	7	13
December	24.480	24.421	64.2	74.2	55.1	56.1	.440	.455	.165	.398	73	58	7.6	7.2	0	3	5	16	7	97.5	3.84	0.90	20	13	2
Year	24.511	24.459	61.3	71.8	53.3	55.1	.415	.444	.135	.349	75	57	5.1	6.2	11	147	55	92	59	883.3	37.78	1.86	Mar. 20	106	137

* 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.	Mean Min.	Mean Max. + Min.	Range Max.	Min.	Mean	Frequency of Visibility at 8.30 Fog	Mist	Good Vis.
															F.		F.		F.	F.	F.	F.	F.	F.			
January	0	2	14	2	1	1	3	2	6	25	0	0	2.5	5.0	78.4	18	53.7	31	73.9	57.3	65.6	23.0	9.1	16.6	1	0	30
February	1	7	13	2	1	2	1	0	2	26	1	0	3.8	9.6	77.6	10	52.9	25	75.1	56.5	65.7	23.0	11.4	18.0	0	0	29
March	1	6	13	0	0	3	0	0	8	19	4	0	4.7	9.4	78.1	24	54.8	12	74.3	57.1	65.7	21.7	11.3	17.1	0	0	31
April	1	3	19	4	0	0	0	0	1	26	1	0	5.6	8.7	76.5	7	51.2	7,26	73.6	53.9	63.7	25.5	9.3	19.7	0	0	28
May	1	2	15	10	0	0	0	0	3	27	1	0	5.1	9.8	75.7	11	49.0	30	72.5	52.3	62.4	24.4	14.8	20.2	0	0	31
June	0	0	17	8	0	1	0	0	4	25	1	0	5.8	9.8	76.2	2	41.1	14	70.4	46.7	58.5	33.0	15.7	23.7	0	0	30
July	0	1	13	15	0	1	0	0	4	27	0	0	5.4	11.0	75.0	20	40.8	18	70.3	47.1	58.7	32.6	13.8	23.2	0	0	31
August	0	0	19	6	2	0	1	0	3	25	3	0	6.9	14.1	74.0	3	43.5	1	72.2	49.5	60.9	32.7	11.4	22.7	0	0	30
September	0	0	21	6	1	0	0	0	2	17	11	0	11.4	11.0	84.9	22	38.2	6	77.1	50.7	63.9	29.0	8.4	26.4	0	0	30
October	0	0	30	0	0	0	0	0	1	14	16	0	11.9	10.7	84.2	19	53.5	4,6	80.0	55.9	67.9	29.4	13.8	24.1	0	0	31
November	0	0	26	2	0	0	0	0	2	17	11	0	10.7	10.7	85.9	23	52.5	29	80.3	56.1	68.2	28.7	15.0	24.2	0	0	30
December	0	0	18	2	0	1	7	0	3	20	8	0	8.7	11.4	84.1	18	52.5	31	77.3	56.8	67.1	27.0	4.0	20.5	0	1	30
Year	4	21	218	55	5	8	12	2	39	268	57	0	6.9	10.2	85.9	Nov. 23	38.2	Sept. 6	74.7	53.3	64.0	39.0	4.0	21.4	1	1	302

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT NBUO, 1948

Lat.: 3°52'S Long.: 35°33'E Alt.: 5700 ft. Standard Time 3h 00m East Ref. No. 95.35.01

Month	Atmospheric Pressure 8.30	Atmospheric Pressure 14.30	Temperature Dry Bulb 8.30	Temperature Dry Bulb 14.30	Temperature Dew Point 8.30	Temperature Dew Point 14.30	Vapour Pressure 8.30	Vapour Pressure 14.30	Saturation Deficit 8.30	Saturation Deficit 14.30	Relative Humidity 8.30	Relative Humidity 14.30	Total Cloud Amt. 8.30	Total Cloud Amt. 14.30	Number of Occasions at 8.30h of Cloud Amounts 0	1-3	4-6	7-9	10	Rainfall Total mm.	Total ins.	Max. Fall in 24hrs. mm.	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.	%	%											ins.			
January	–	–	63.8	75.7	58.0	57.6	.487	.478	.112	.420	82	53	5.7	6.4	2	7	9	8	5	110.0	4.33	1.77		5	11	3
February	–	–	63.1	77.3	57.8	55.1	.484	.440	.101	.508	83	47	6.2	5.4	2	3	8	9	7	22.9	0.90	0.46		24	6	1
March	–	–	63.4	76.4	58.5	56.1	.496	.455	.095	.463	84	49	7.8	6.2	1	1	7	13	9	115.8	4.56	1.20		10	15	1
April	–	–	61.2	72.4	58.4	58.3	.493	.493	.053	.310	90	61	9.6	6.9	0	0	1	7	22	119.8	4.52	1.16		20	18	2
May	–	–	59.4	69.0	56.6	58.4	.464	.493	.047	.222	91	69	9.5	6.7	0	0	1	7	23	44.2	1.74	0.40		14	12	0
June	–	–	56.1	66.4	52.9	53.6	.405	.416	.050	.240	89	64	9.1	5.8	1	0	2	6	21	3.8	0.15	0.06		21	4	0
July	–	–	54.9	63.6	51.3	51.6	.381	.387	.056	.251	87	61	9.5	6.5	0	1	1	3	26	1.3	0.05	0.03		26	2	0
August	–	–	55.0	68.4	50.4	5°.2	.369	.366	.068	.337	85	52	9.6	5.3	0	0	1	4	26	0.0	0.00	0.00			0	0
September	–	–	56.7	71.7	52.9	53.1	.403	.408	.059	.378	86	52	9.1	4.8	1	1	0	7	21	0.0	0.00	0.00		–	0	1
October	–	–	60.0	76.1	53.4	51.2	.403	.381	.110	.529	79	42	7.7	4.9	0	2	7	12	10	60.7	2.39	2.07		15	3	0
November	–	–	62.1	75.4	57.0	54.8	.470	.434	.094	.455	84	49	8.6	5.4	0	1	4	12	13	32.3	1.27	0.34		5	9	0
December	–	–	63.0	74.2	57.4	57.0	.475	.470	.107	.386	82	55	8.2	6.4	0	3	5	6	17	92.4	3.64	0.80		11	13	0
Year	–	–	59.9	75.7	55.4	54.7	.445	.435	.0[illegible]	.375	85	55	8.4	5.9	7	5	46	94	200	598.2	23.55	2.07		Oct. 15	93	8

θ At stat[illegible] 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	14.30	Extremes of Temperature of the Air. Max.	Date	Min.	Date	Mean Max.	Mean Min.	Range Max.	Range 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.			
January	0	0	6	25	0	0	0	0	0	21	10	0	8.[illegible]	13.4	80.5	17	48.5	14	77.4	54.2	65.8	30.0	15.5	23.1	0	0	31
February	0	1	4	22	2	0	0	0	0	19	10	0	9.2	13.0	82.0	17	46.0	3	79.9	55.4	67.7	34.0	19.2	24.5	0	0	29
March	0	0	9	22	0	0	0	0	0	21	10	0	8.1	13.9	82.0	often	52.0	24	78.8	57.8	68.3	28.0	15.5	21.0	0	0	31
April	0	0	7	23	0	0	0	0	0	19	11	0	8.9	14.3	79.0	1	55.0	20,27	74.1	57.7	65.9	21.5	11.0	16.4	0	0	30
May	0	0	1	30	0	0	0	0	0	16	15	0	10.1	13.9	74.5	6,12	52.0	27	70.9	56.8	63.9	18.0	9.0	14.2	0	0	31
June	0	0	5	25	0	0	0	0	0	15	15	0	11.0	15.0	73.0	15	47.0	12,13	68.6	52.8	60.7	24.0	10.0	15.8	0	0	30
July	0	0	3	28	0	0	0	0	0	15	16	0	10.2	14.5	72.0	1,22	47.0	11	68.4	51.5	59.9	25.0	13.0	16.9	0	0	31
August	0	0	2	29	0	0	0	0	0	14	17	0	11.4	15.0	75.0	3	49.0	1,2	70.7	52.1	61.4	22.0	11.0	18.6	0	0	31
September	0	0	0	30	0	0	0	0	0	17	13	0	9.4	15.7	78.5	21	47.0	1,6	73.7	53.7	63.7	28.0	10.5	20.0	0	0	30
October	0	0	0	31	0	0	0	0	0	9	22	0	12.5	18.3	81.0	10	51.0	3	78.2	55.6	66.9	29.0	17.0	22.6	0	0	31
November	0	0	5	25	0	0	0	0	0	13	17	0	10.7	15.0	82.5	26	53.0	18	78.4	57.8	68.1	25.0	16.5	20.6	0	0	30
December	0	0	2	24	0	0	5	0	0	21	10	0	7.6	15.[illegible]	81.5	3	50.0	26	76.6	57.9	67.3	29.0	12.0	18.7	0	2	29
Year	0	1	44	314	2	0	5	0	0	200	166	0	9.8	14.8	82.5	Nov. 26	46.0	Feb. 3	74.6	55.5	65.0	34.0	9.0	19.4	0	2	364

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT MOROGORO, 1948

Lat.: 6°57'S Long.: 37°40'E Alt.: 1900 ft. Standard Time 3h 00m East. Ref. No. 96.37/80.

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	Max.	Max. Fall in 24hrs.	Date	Number of Days of Rain	Thunder.
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%								ins.	ins.	ins.			
January	-	-	74.9	86.7	70.5	73.7	.753	.839	.121	.346	86	65	7.1	5.9	0	7	5	11	8	100.0	3.97	2.41	20	9	19
February	-	-	74.9	89.3	70.8	71.4	.762	.777	.112	.614	87	56	7.0	5.9	0	4	10	9	6	51.7	1.25	0.96	20	6	13
March	-	-	75.5	86.3	71.6	72.7	.783	.812	.109	.455	88	64	7.3	6.9	0	2	12	13	4	202.7	7.98	3.10	16	17	20
April	-	-	73.3	82.4	71.2	72.3	.771	.803	.056	.346	93	72	7.5	8.7	0	0	13	9	8	147.6	5.81	0.76	21	23	12
May	-	-	71.5	81.8	69.7	71.8	.735	.791	.045	.305	94	72	8.1	8.4	0	1	8	10	12	68.1	2.68	0.69	6	20	2
June	-	-	66.7	80.2	64.8	64.7	.602	.617	.059	.425	91	59	6.8	7.3	0	8	11	7	4	22.9	0.90	0.26	20	9	0
July	-	-	65.4	79.6	62.8	62.3	.579	.570	.033	.452	92	56	6.2	7.3	0	3	17	7	4	22.6	0.89	0.38	1	5	0
August	-	-	67.1	80.3	63.1	61.2	.582	.546	.088	.499	87	52	7.2	8.1	0	3	15	9	7	3.0	0.12	0.08	7	3	0
September	-	-	68.6	83.7	63.4	61.2	.591	.546	.115	.620	84	47	5.9	6.7	0	3	17	9	1	17.0	0.67	0.35	30	5	0
October	-	-	72.0	85.7	67.6	65.2	.682	.629	.112	.614	86	51	7.0	6.3	0	1	16	8	6	84.5	2.54	0.78	12	14	2
November	-	-	73.7	86.4	68.8	67.6	.712	.682	.127	.591	85	54	6.9	5.7	0	0	17	10	3	44.4	1.75	0.67	13	9	6
December	-	-	75.4	86.8	69.4	68.6	.726	.709	.163	.579	82	55	7.3	7.0	0	2	13	7	9	138.4	5.45	2.88	27	14	12
Year	-	-	71.6	84.1	67.7	67.7	.690	.693	.097	.493	88	59	7.0	7.0	0	31	154	109	72	863.7	34.01	3.10	Mar 16	134	86

@ 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. F.	Date	Min. F.	Date	Mean Max. F.	Mean Min. F.	Mean Range F.	Max. F.	Min. F.	Mean F.	Frequency of Visibility at 8.30 Fog	Mist	Good Vis.
January	8	18	1	0	0	0	0	0	12	19	0	0	2.7	4.0	98.8	25	66.0	18	88.8	69.5	19.3	79.1	25.2	11.9	0	1	30
February	0	9	1	1	0	0	0	0	18	11	0	0	1.6	5.8	94.0	28	64.0	17	91.5	68.7	20.1	79.0	15.7	22.7	0	0	29
March	0	8	2	2	0	0	0	2	17	14	0	0	2.0	4.5	93.0	1,16	66.0	14	89.1	69.3	19.8	79.2	26.0	14.9	0	1	30
April	1	0	0	0	0	1	0	2	26	4	0	0	0.2	2.0	89.0	6	65.0	13,25	85.4	68.4	16.7	76.7	22.3	4.0	17.3	0	3	27
May	0	0	0	1	0	2	0	2	26	5	0	0	0.2	1.6	88.0	5	60.8	31	83.6	67.1	15.3	77.2	9.0	16.6	0	2	29
June	2	3	1	2	0	0	1	3	18	12	0	0	1.1	2.2	85.8	often	54.7	30	82.1	61.9	20.2	78.0	8.9	20.1	0	0	30
July	1	0	0	0	0	0	1	3	26	5	0	0	0.4	3.1	88.0	10	52.0	8	81.7	59.5	20.6	81.0	13.0	22.2	0	2	29
August	0	0	0	1	0	2	1	2	25	6	0	0	0.4	3.8	87.0	14	55.0	6	82.8	62.2	22.5	79.8	14.5	20.7	0	1	30
September	0	1	0	0	0	3	0	1	25	5	0	0	0.2	5.8	90.4	18	51.2	5	85.5	60.8	23.1	83.8	18.2	24.7	0	0	30
October	0	0	0	1	0	4	2	1	23	8	0	0	0.4	6.9	91.0	25	60.0	6	87.3	65.6	21.7	76.5	28.0	7.5	0	5	26
November	0	10	0	1	0	1	0	0	18	12	0	0	1.1	8.3	91.0	22,26	62.9	7	87.6	67.0	20.6	77.3	26.3	10.5	0	0	30
December	0	9	0	0	0	7	0	1	14	15	2	0	2.7	5.6	95.8	26	62.9	10	90.0	69.0	21.1	79.5	27.9	13.8	0	1	30
Year	4	58	5	9	0	20	5	17	248	116	2	0	1.1	4.5	95.8	Dec. 26	51.2	Sept. 5	86.3	65.7	20.6	76.0	33.8	4.0	0	16	350

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT MOSHI METEOROLOGICAL STATION, 1948

Lat.: 3°21'S Long.: 37°20'E Alt.: 2668 ft. Standard Time 3h 00m East. Ref. No. 93.37/04

Month	Atmospheric Pressure @ 8.30 h ins.	Atmospheric Pressure @ 14.30 h ins.	Temperature Dry Bulb 8.30 °F.	Temperature Dry Bulb 14.30 °F.	Temperature Dew Point 8.30 °F.	Temperature Dew Point 14.30 °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 0	1-3	4-6	7-9	10	Rainfall Total mm.	Rainfall Max. Fall in 24hrs. ins.	Rainfall Max. Fall in 24hrs. mm.	Date	Number of Days of Rain	Number of Days of Thunder.
January	27.209	27.067	73.4	90.5	61.7	59.0	.555	.505	.275	.942	67	35	4.6	5.6	0	16	2	13	0	0.0	0.00	0.00	..	0	12
February	27.238	27.088	73.4	92.3	62.1	58.2	.561	.490	.269	.040	68	32	3.9	4.6	1	14	6	8	0	2.0	0.08	0.07	26	2	7
March	27.221	27.088	73.0	87.7	64.4	61.2	.611	.546	.240	.777	75	41	4.6	5.6	0	14	8	8	1	112.0	4.41	3.42	8	5	14
April	27.241	27.129	70.9	83.6	66.3	64.8	.653	.620	.112	.544	86	53	8.9	6.3	0	0	1	26	3	196.3	7.73	1.54	16	15	4
May	27.292	27.205	69.4	78.8	65.2	66.1	.626	.647	.100	.348	87	65	9.0	7.5	0	0	1	24	6	153.7	6.05	1.46	1	19	0
June	27.365	27.274	66.2	76.1	61.5	62.1	.552	.564	.098	.346	85	62	8.8	7.3	0	0	2	24	4	20.3	0.80	0.18	27	9	0
July	27.360	27.274	64.8	75.0	60.2	59.1	.526	.508	.094	.369	85	58	8.9	7.5	0	1	1	20	9	8.4	0.33	0.14	1	6	0
August	27.357	27.253	65.7	78.6	59.2	57.2	.508	.473	.133	.513	80	48	8.6	7.5	0	2	0	24	5	9.4	0.37	0.29	7	4	0
September	27.327	27.203	67.2	81.4	59.1	56.8	.508	.467	.165	.614	75	43	8.5	6.5	0	1	1	28	8	0.5	0.02	0.02	3	1	0
October	27.295	27.153	71.6	88.0	62.4	56.9	.564	.470	.222	.868	72	35	7.7	5.1	0	3	3	24	1	24.9	0.98	0.88	3	4	3
November	27.268	27.126	73.0	88.8	62.7	58.3	.576	.493	.245	.880	70	36	7.4	6.3	0	4	5	20	1	4.1	0.16	0.07	5	5	4
December	27.247	27.135	72.2	83.9	64.6	62.8	.614	.579	.186	.596	77	50	8.1	7.8	0	1	5	21	4	126.7	4.99	1.47	13	12	6
Year	27.285	27.166	70.1	83.7	62.4	60.2	.571	.530	.176	.653	77	47	7.4	6.5	1	56	35	232	42	658.3	25.84	3.42	Mar. 8	82	50

@ 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	4-7	>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.	½ Max + ½ Min °F.	Range Max. °F.	Range Min. °F.	Range Mean °F.	Frequency of Visibility at 8.30 Fog	Mist	Good Vis.
January	2	1	0	3	8	3	10	4	0	31	0	0	3.6	7.4	98.1	31	55.5	9	93.2	60.5	76.9	38.8	20.6	32.7	0	0	31
February	3	0	10	2	6	2	4	2	0	28	1	0	4.5	10.3	97.6	2	56.1	15	95.0	61.4	78.2	41.4	26.1	33.6	0	0	29
March	6	1	1	3	5	4	10	1	0	31	0	0	3.6	9.8	95.0	7,28	57.2	24	91.2	62.7	76.9	37.6	19.2	28.5	0	0	31
April	1	1	5	11	6	4	1	1	0	30	0	0	3.8	5.6	92.7	1	58.4	7	85.3	64.4	74.9	28.7	8.5	20.9	0	0	30
May	7	3	5	10	1	2	2	2	0	31	0	0	3.6	4.3	85.3	12	60.8	23	81.1	64.0	72.5	21.1	11.6	17.1	1	2	28
June	4	1	8	9	3	1	0	4	0	30	0	0	3.4	4.9	83.1	1	-	-	77.7	-	-	-	-	-	0	0	30
July	1	4	7	5	3	2	1	8	0	31	0	0	3.4	4.7	81.7	25	-	-	77.3	-	-	-	-	-	0	0	31
August	2	2	11	6	3	1	1	5	0	31	0	0	3.4	6.0	83.5	often	53.0	28	80.5	60.6	70.9	38.8	20.6	20.0	0	0	31
September	1	2	4	8	10	3	2	0	0	30	0	0	4.7	7.4	92.8	18	51.5	6	83.4	61.2	72.3	32.5	12.0	22.3	0	0	30
October	0	1	8	12	6	2	1	1	0	30	1	0	5.6	10.7	94.0	28	54.2	6	89.7	63.1	76.4	35.0	20.0	26.6	0	0	31
November	0	1	8	8	4	3	3	2	1	29	0	0	5.1	11.4	95.2	26	59.5	22	90.9	64.6	77.7	31.2	16.0	26.3	0	0	30
December	2	2	5	8	4	1	0	1	0	29	2	0	5.1	7.8	95.5	3	60.5	21	86.7	65.8	76.3	33.8	5.1	20.9	0	0	31
Year	29	19	72	85	59	28	42	31	1	361	4	0	4.1	7.5	98.1	Mar. 31	-	-	86.0	-	-	-	-	-	1	2	363

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT BENADIRA, 1948

Lat.: 6°20'S Long.: 36°49'E Alt.: 3700 ft Standard Time 3h 00m East. Ref. No. 96.36/00

Month	Atmospheric Pressure at 0		Temperature Dry Bulb		Temperature Dew Point		Vapour Pressure		Saturation Deficit		Relative Humidity		Total Cloud Amt.		Number of Occasions at 8.30h of Cloud Amount					Rainfall Total		Max. Fall in 24hrs.		Number of Days of Rain	Thunder
	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	mm.	Ins.	mm.	Date		
	Ins.	Ins.	F.	F.	F.	F.	Ins.	Ins.	Ins.	Ins.	%	%										Ins.			
January	-	-	69.1	76.6	63.8	63.8	.591	.599	.121	.325	83	65	4.3	3.8	5	8	11	3	4	173.5	6.83	2.15	20	14	0
February	-	-	69.5	77.8	63.4	64.4	.591	.611	.135	.352	81	64	3.5	4.1	11	4	6	7	1	42.2	1.66	0.52	3	8	0
March	-	-	69.4	78.3	62.7	64.0	.576	.602	.150	.375	80	62	6.0	4.5	0	3	16	12	0	122.7	4.83	1.50	17	15	0
April	-	-	69.1	77.5	62.5	63.4	.567	.591	.151	.363	79	62	5.4	4.8	2	5	13	10	0	90.7	3.57	1.28	7	8	1
May	-	-	68.2	76.0	60.6	61.4	.535	.549	.162	.358	77	60	8.0	6.2	0	0	6	19	6	9.7	0.38	0.26	13	2	0
June	-	-	64.3	75.6	56.3	54.1	.458	.422	.150	.473	75	47	7.2	6.3	1	2	9	9	9	7.1	0.28	0.11	20	3	0
July	-	-	66.2	74.2	54.8	55.3	.434	.443	.216	.413	67	52	7.0	6.3	1	1	9	14	6	0.0	0.00	0.00	-	0	0
August	-	-	66.1	74.5	54.7	56.6	.434	.464	.216	.398	67	54	7.8	6.1	0	1	7	16	7	0.0	0.00	0.00		0	0
September	-	-	66.7	75.8	55.7	57.4	.449	.475	.212	.426	68	53	6.8	5.8	0	0	15	9	6	0.0	0.00	0.00		0	0
October	-	-	69.5	75.5	58.6	60.6	.499	.535	.238	.357	68	60	6.1	5.6	0	4	15	10	2	3.8	0.15	0.08	12	2	0
November	-	-	70.7	80.9	61.5	60.0	.552	.520	.207	.540	73	49	5.5	6.8	3	4	13	10	2	45.7	1.80	1.32	26	7	0
December	-	-	69.4	80.7	60.8	58.3	.537	.493	.189	.567	74	47	7.3	7.9	1	4	6	4	16	81.3	3.20	1.10	24	13	0
Year	-	-	67.7	76.9	59.6	59.9	.519	.525	.178	.412	74	56	6.2	5.7	24	34	126	123	59	576.7	22.78	2.15	Jan. 20	2	1

@ 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	4-7	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	Range Mean Max.	Mean Min.	Abs. Max.	Abs. Min.	Mean	Frequency of Visibility at 8.30h Fog	M.s	Good Vis.
January	2	5	6	0	6	5	6	1	0	31	0	0	2.2	2.0	88.7	4	59.0	often	83.2	61.1	72.5	27.9	12.6	21.5	0	0	31
February	4	4	4	1	5	4	5	2	0	29	0	0	2.2	2.2	86.9	21,26	57.2	often	84.5	61.0	72.7	28.8	18.9	23.5	0	0	29
March	1	6	5	5	2	6	3	3	0	31	0	0	2.0	2.0	86.9	7,8	57.2	4	83.7	61.8	72.7	27.9	16.2	21.9	0	0	31
April	3	2	7	14	4	0	0	0	0	30	0	0	2.5	2.0	85.1	19	50.0	3	79.1	62.0	70.9	28.6	8.1	17.7	0	0	30
May	0	11	11	7	2	0	0	0	0	31	0	0	2.9	4.0	83.3	23	61.7	17,27	79.0	64.3	74.7	29.2	8.8	14.7	0	0	31
June	0	11	14	3	0	0	0	1	1	29	0	0	3.6	4.0	80.4	17	52.2	17	77.3	60.3	68.8	28.2	9.9	17.0	0	0	30
July	0	13	9	7	0	0	0	0	0	31	0	0	4.0	3.6	82.8	26	55.8	19	79.0	59.4	69.2	23.4	14.0	19.5	0	0	31
August	1	10	12	8	0	0	0	0	0	31	0	0	4.0	4.3	81.5	often	50.9	3	79.8	56.9	68.3	29.7	16.9	22.9	0	0	31
September	0	6	9	10	4	0	1	0	0	30	0	0	3.8	3.8	87.4	25	55.4	often	82.7	56.9	69.8	32.0	21.6	25.8	0	0	30
October	0	7	6	9	5	3	0	1	0	31	0	0	2.2	3.4	88.7	23	55.0	13	86.5	58.3	72.4	31.7	20.9	28.2	0	0	31
November	0	2	6	8	4	4	5	1	0	30	0	0	2.0	4.5	94.1	25	57.0	1	87.3	59.2	73.3	36.9	21.5	28.1	0	0	30
December	2	2	4	6	7	3	5	4	0	31	0	0	2.0	3.6	91.0	4	56.8	10	84.5	61.6	73.1	32.4	8.6	22.9	0	0	31
Year	13	81	94	78	39	25	25	13	1	365	0	0	2.8	3.3	94.1	May 25	50.0	Apr. 3	82.3	60.3	71.3	36.9	8.1	22.0	0	0	366

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT MUSOMA, 1948.

Lat.: 1°30'S Long.: 33°48'E Alt.: 3764 ft. Standard Time 3h 0m East. Ref. No. 91.33/00.

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	8.30	14.30	8.30	14.30	8.30	14.30	0	1-3	4-6	7-9	10	mm.	ins.	in 24hrs. ins.	Date	Rain	der.
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%													
January	26.196	26.122	70.3	79.1	63.4	64.7	.588	.617	.159	.387	79	61	6.3	6.3	0	4	11	12	4	119.9	4.72	2.49	18	3	4
February	26.172	26.119	71.3	80.4	62.4	65.2	.570	.626	.204	.422	74	60	6.1	5.2	0	2	17	6	4	50.3	1.98	0.75	4	7	0
March	26.205	26.131	70.4	79.5	63.8	65.1	.597	.626	.156	.393	80	61	6.4	6.7	2	3	8	9	7	102.1	4.02	1.35	6	11	1
April	26.175	26.110	70.9	81.6	64.0	65.8	.602	.641	.163	.449	79	59	5.4	4.8	0	7	11	8	2	178.8	7.04	2.52	18	11	1
May	26.234	26.152	69.9	79.7	64.1	66.1	.602	.647	.136	.378	82	63	7.2	6.7	0	0	10	19	1	172.7	6.80	2.17	28	17	0
June	26.264	26.211	68.2	79.3	61.7	62.6	.555	.573	.142	.437	80	57	7.1	7.6	0	1	12	10	7	47.2	1.86	0.66	27	12	0
July	26.249	26.193	67.7	79.0	59.2	62.1	.508	.564	.177	.437	74	56	7.7	7.1	0	1	8	11	11	1.3	0.05	0.03	13	2	0
August	26.237	26.184	68.2	79.6	58.2	61.6	.490	.552	.207	.473	70	54	7.2	6.6	0	0	9	14	4	18.0	0.71	0.45	2	2	0
September	26.225	26.155	70.1	80.1	61.1	63.6	.543	.594	.201	.443	73	57	7.4	6.6	0	1	11	7	8	24.1	0.95	0.56	24	4	0
October	26.217	26.134	71.5	81.2	61.9	63.7	.561	.597	.219	.478	72	55	7.1	7.4	0	0	12	10	6	46.5	1.83	0.95	19	7	1
November	26.211	26.116	71.8	80.1	61.5	64.3	.552	.608	.236	.429	70	59	6.8	7.1	0	0	22	6	2	54.6	2.15	0.95	14	7	1
December	26.211	26.116	70.4	79.2	61.6	63.6	.555	.594	.195	.413	74	59	5.9	6.8	3	2	10	12	3	34.3	1.35	0.63	14	8	6
Year	26.216	26.145	70.1	79.9	61.9	64.0	.560	.603	.183	.428	75	58	6.7	6.6	5	21	141	124	59	849.8	33.46	2.52	Apr. 18	91	14

@ 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.	Max.	Min.	Range Mean	Fog	Mist	Good Vis.
														m.p.h.	m.p.h.	F.		F.		F.	F.	F.	F.	F.			
January	0	2	0	27	0	0	0	0	2	29	0	0	0	4.3	13.2	89.2	18	62.1	25	81.9	65.9	73.9	23.0	10.1	16.0	0	25	6
February	0	1	0	27	0	0	0	0	1	27	1	0	0	5.4	13.2	90.3	15	63.2	6	83.5	66.9	75.2	23.1	9.9	16.6	0	29	0
March	0	1	0	27	0	0	0	0	1	28	0	0	0	4.3	11.2	88.4	3	63.2	13	82.7	66.1	74.4	23.9	10.3	16.6	0	29	0
April	0	0	3	3	1	0	0	0	3	25	0	0	0	5.1	9.4	94.0	8	59.9	29	84.3	65.8	75.1	27.9	11.2	18.4	0	9	19
May	4	1	0	0	0	1	4	19	0	27	3	0	0	6.9	8.7	85.8	2	62.9	5	82.1	65.1	73.6	21.1	12.0	16.8	0	6	24
June	0	0	0	30	0	0	0	0	0	30	0	0	0	4.7	6.3	84.1	21	59.3	24	80.6	64.1	72.3	22.2	9.9	16.6	0	5	25
July	0	1	0	29	0	0	0	0	1	30	0	0	0	6.3	8.9	85.0	26	60.2	20	81.1	63.7	72.4	23.0	7.0	17.4	0	8	23
August	0	1	0	26	0	0	0	0	1	26	1	0	0	6.9	9.8	89.0	11	61.0	19	82.3	63.7	73.0	27.0	13.7	18.6	0	1	26
September	0	2	0	25	0	0	0	0	0	26	1	0	0	5.1	10.1	87.3	29	61.0	5	82.3	65.2	73.7	23.0	7.9	17.0	0	1	26
October	0	4	0	23	0	0	1	0	0	28	0	0	0	5.3	11.2	92.0	3	63.1	23	84.3	65.0	74.7	27.0	12.0	19.2	0	1	27
November	0	3	0	26	0	0	0	0	1	28	1	0	0	6.0	13.4	90.3	2	63.2	1,3,8	83.3	65.1	74.2	25.3	11.9	18.2	0	1	29
December	0	1	0	26	0	0	0	0	3	27	0	0	0	3.4	11.0	91.0	8	63.2	2	82.8	65.5	74.1	23.9	11.9	17.3	0	11	19
Year	4	17	3	270	1	2	12	29	12	331	7	0	0	5.3	10.5	94.0	Apr. 8	59.9	Apr. 29	82.6	65.2	73.9	27.9	7.0	17.4	0	126	224

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT MWANZA, 1948.

Lat.: 2°31'S Long.: 32°54'E Alt.: 3709 ft. Standard Time 3h 00m East. Ref. No. 92.32/00.

Month	Atmospheric Pressure @ 8.30 (in.)	Atmospheric Pressure @ 14.30 (in.)	Temperature Dry Bulb 8.30 (°F.)	Temperature Dry Bulb 14.30 (°F.)	Temperature Dew Point 8.30 (°F.)	Temperature Dew Point 14.30 (°F.)	Vapour Pressure 8.30 (in.)	Vapour Pressure 14.30 (in.)	Saturation Deficit 8.30 (in.)	Saturation Deficit 14.30 (in.)	Relative Humidity 8.30 (%)	Relative Humidity 14.30 (%)	Total Cloud Amt. 8.30	Total Cloud Amt. 14.30	Number of Occasions at 8.30h of Cloud Amounts 0	1-3	4-6	7-9	10	Rainfall Total (in.)	Rainfall Max. Fall in 24 hrs. (in.)	Number of Days of Rain	Number of Days of Thunder
January	..	..	78.6	77.8	65.4	65.1	.612	.626	.124	.337	83	65	3.5	3.1	8	1	22	0	0	57.4	2.26	0.41	16	9	0
February	..	..	78.2	82.[illegible]	64.7	62.8	.617	.56[illegible]	.154	.546	80	51	2.5	2.0	12	3	14	0	0	47.0	1.85	0.57	6	8	0
March	..	..	78.3	81.1	64.3	64.8	.608	.617	.159	.452	81	58	3.8	3.3	8	1	22	0	0	128.3	5.05	2.67	6	13	0
April	..	..	79.8	81.2	64.5	65.8	.611	.623	.151	.452	81	58	3.7	4.2	7	0	23	0	0	162.[illegible]	6.38	2.45	18	13	0
May	..	..	79.6	81.3	63.8	64.9	.599	.623	.157	.455	79	58	3.4	4.5	8	0	23	0	0	96.8	3.81	1.10	8	15	0
June	..	..	69.1	81.3	61.4	63.5	.549	.594	.169	.484	76	55	2.5	3.3	14	0	16	0	0	8.9	0.35	0.25	16	3	0
July	..	..	68.6	82.0	54.9	58.3	.437	.493	.269	.611	62	45	1.7	2.4	19	6	12	0	0	5.3	0.21	0.21	13	1	0
August	..	..	70.6	82.8	66.3	..	.653	..	.183	..	86	..	1.4	1.7	21	0	10	0	0	36.8	1.45	1.45	4	1	0
September	..	..	72.4	80.2	62.8	63.1	.579	.583	.224	.458	72	56	3.0	3.1	11	0	19	0	0	13.7	0.54	0.54	17	1	0
October	..	..	73.6	81.1	64.5	64.4	.614	.611	.202	.461	73	57	2.5	2.5	15	0	16	0	0	72.1	2.84	1.08	14	10	0
November	..	..	79.4	82.2	64.1	65.0	.605	.626	.224	.484	71	56	3.1	3.2	8	0	22	0	0	12.4	0.49	0.14	19	7	0
December	..	..	71.6	79.9	64.5	68.0	.614	.691	.209	.340	79	67	3.2	4.0	9	0	22	0	0	79.5	3.13	0.58	21	8	0
Year	..	..	71.1	81.1	63.4	..	.598	.[illegible]	.178	..	77	..	2.9	3.1	140	5	221	0	0	720.3	28.36	2.45	Apr. 18	89	0

@ 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. (°F.)	Date	Min. (°F.)	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	3	0	3	1	12	8	3	1	0	31	0	0	5.4	5.4	81.8	4,16	53.6	24	81.9	60.0	30.9	30.6	14.4	21.4	0	0	31
February	0	1	7	4	11	4	1	1	0	28	1	0	6.0	5.4	91.4	17,20	57.2	28	84.3	61.4	32.9	30.6	14.4	22.9	4	0	29
March	2	1	1	9	10	6	2	0	0	31	0	0	5.4	5.4	91.4	1	57.2	often	83.5	59.5	32.0	30.6	12.6	23.0	0	0	31
April	3	0	3	5	9	8	0	2	0	30	0	0	5.4	5.4	87.8	often	57.2	11,19	83.0	60.9	31.9	27.0	12.6	22.1	0	0	30
May	4	1	4	4	1	3	3	1	0	31	0	0	5.4	5.4	87.8	2	59.0	often	82.9	60.9	31.9	27.0	18.0	22.0	0	0	31
June	1	0	2	10	5	1	5	0	0	30	0	0	5.4	5.4	86.0	20,23	53.6	12	82.5	58.9	30.7	28.8	14.4	23.6	0	0	30
July	3	1	5	5	9	3	3	2	0	31	0	0	5.4	5.4	87.8	20	53.6	31	83.6	58.9	31.3	30.6	10.8	24.7	0	0	31
August	3	1	6	1	12	6	1	1	0	31	0	0	5.4	5.4	89.6	26,27	55.4	14	84.3	60.3	32.3	28.8	16.2	24.0	0	0	31
September	0	2	5	5	10	3	4	1	0	30	0	0	5.4	5.4	87.8	30	57.2	6	82.8	61.4	32.1	27.0	14.4	21.4	0	0	30
October	4	2	5	5	4	7	2	2	0	31	0	0	5.4	5.4	89.6	2,3	59.0	often	83.6	61.6	32.6	30.6	12.6	22.0	0	0	31
November	3	2	4	7	6	4	3	1	0	30	0	0	5.4	5.4	87.8	29,30	59.0	20,30	83.1	63.0	33.3	28.8	12.6	20.1	0	0	30
December	6	2	5	3	12	3	0	0	0	31	0	0	5.4	5.4	89.6	5,7,9	57.2	25	82.4	62.0	32.2	27.0	12.6	20.5	0	0	31
Year	32	13	50	59	111	62	27	12	0	365	.	0	5.5	5.4	91.4	[illegible]	53.6	[illegible]	83.2	60.8	32.0	30.6	10.8	22.6	0	0	366

* February 17, 28 and March 3. † January 24, June 12 and July 31.

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT SAO-HILL, 1948.

Lat.: 8°20'S Long.: 35°12'E Alt.: 6500 ft. Standard Time 3h 00m East. Ref. No. 98.35/88.

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			Rain	Thunder.
	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.	mm.	in 24hrs.	Date		
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%										ins.			
January	-	-	60.6	65.9	57.4	58.0	.475	.487	.060	.157	89	76	8.6	8.9	0	0	5	13	13	189.5	7.46	1.75	24	19	17
February	-	-	60.1	68.1	57.3	56.7	.475	.464	.051	.230	91	67	7.6	8.2	0	4	3	16	6	150.4	5.92	1.46	6	17	18
March	-	-	59.7	64.9	57.3	58.0	.475	.487	.042	.136	92	79	8.9	9.8	0	0	2	17	12	173.2	6.82	0.91	17	26	17
April	-	-	58.1	67.4	56.5	56.3	.461	.458	.026	.221	94	68	8.9	7.5	0	0	1	23	6	31.7	1.25	0.40	11	13	1
May	-	-	56.4	66.5	53.9	52.9	.419	.405	.039	.251	91	62	7.5	6.6	0	4	2	21	4	9.7	0.38	0.35	19	3	0
June	-	-	51.9	64.6	48.7	47.0	.346	.325	.044	.292	89	53	5.9	4.4	1	9	2	18	5	0.5	0.02	0.02	23	1	0
July	-	-	50.6	63.3	47.6	45.0	.334	.301	.038	.290	90	51	5.4	5.0	4	8	3	12	4	0.3	0.01	0.01	19	1	0
August	-	-	51.8	64.0	48.8	47.2	.348	.328	.042	.274	90	55	7.3	5.0	0	4	5	14	8	0.0	0.00	0.00	-	0	0
September	-	-	54.5	69.2	48.9	46.5	.348	.319	.083	.402	81	44	5.0	4.8	4	9	4	8	5	0.0	0.00	0.00	-	0	0
October	-	-	60.0	72.6	52.6	49.0	.402	.351	.121	.458	77	44	5.4	6.1	0	12	6	11	2	9.1	0.36	0.34	14	2	5
November	-	-	61.7	72.2	52.7	49.9	.402	.363	.153	.434	72	46	6.3	6.7	0	6	8	14	2	61.5	2.42	2.01	25	7	8
December	-	-	60.7	70.2	54.8	52.3	.434	.396	.103	.351	81	53	8.0	7.6	0	2	6	8	10	86.9	3.42	1.93	23	16	2
Year	-	-	57.2	67.4	53.0	51.6	.410	.390	.067	.291	86	58	7.1	6.7	9	58	47	170	77	712.8	28.06	2.01	Nov. 25	105	70

@ 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		
													h	h												
	N	NE	E	SE	S	SW	W	NW	Calm	1-3	4-7	8-7	8.30	14.30	Max.	Date	Min.	Date	Mean Max.	Mean Min.	Max. Range	Min. Range	Mean Range	Fog	Mist	Good Vis.
													m.p.h.	m.p.h.	F.		F.		F.	F.	F.	F.	F.			
January	5	4	3	11	1	1	3	3	0	31	0	0	4.3	4.5	75.0	17	51.5	18	70.4	54.4	62.4	22.0	7.9	16.0	1	0	30
February	1	2	5	17	0	1	2	1	0	28	1	0	6.9	5.4	78.2	14	50.6	2	72.9	53.7	63.3	25.7	12.0	19.2	2	0	27
March	1	3	7	16	0	2	2	0	0	31	0	0	5.1	5.1	75.8	4	52.0	1,23	71.2	54.3	62.7	21.8	11.3	16.9	1	0	30
April	0	3	3	26	1	0	0	0	0	13	17	0	13.6	9.2	72.1	1	49.0	23	69.7	53.2	61.5	21.0	13.3	16.6	2	0	28
May	0	0	0	31	0	0	0	0	0	11	20	0	15.2	9.4	72.0	7	47.0	31	69.1	50.7	59.9	22.4	14.3	18.6	0	0	31
June	0	0	1	28	1	0	0	0	0	9	21	0	15.9	10.3	73.0	15,16	48.0	12,21	66.9	45.5	56.2	30.0	14.0	21.5	0	1	29
July	0	0	0	30	1	0	0	0	0	7	24	0	15.7	12.1	71.4	16	41.0	7	65.6	44.4	55.0	29.4	15.4	21.2	0	1	30
August	0	0	1	29	1	0	0	0	0	9	22	0	18.6	13.4	74.0	3	43.0	1,30	66.8	46.5	56.7	26.3	13.5	20.3	1	7	23
September	0	0	4	25	1	0	0	0	0	18	12	0	14.5	10.7	81.1	22	39.5	6	72.1	46.7	59.4	34.1	18.0	25.5	0	4	26
October	0	0	13	17	1	0	0	0	0	17	14	0	13.0	10.5	80.3	13	54.0	5,6,7	75.9	53.2	64.5	28.7	14.0	22.7	0	0	31
November	0	2	5	23	0	0	0	0	0	14	16	0	13.0	11.0	83.0	25	51.2	7	76.3	53.7	65.0	30.0	11.0	22.6	0	0	30
December	1	0	7	10	0	0	3	5	0	21	5	0	9.7	7.8	81.3	4	51.5	12	74.1	55.2	64.7	26.3	8.8	18.6	0	1	25
Year	8	11	49	263	7	4	10	9	0	209	152	0	12.0	9.1	83.0	Nov 25	39.5	Sept 6	70.9	50.9	60.9	34.1	7.9	20.0	7	14	340

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT BONGEA, 1948.

Lat. 10°4'18 Long. 35°40'E Alt. 3700 ft. Standard Time 3h 00m East. Ref. No. 100.35/00

Month	Atmospheric Pressure @		Temperature				Vapour Pressure		Saturation Deficit		Relative Humidity		Total Cloud Amt.		Number of Occasions 8.30h of Cloud Amounts						Rainfall					Number of days of	
	h 8.30	h 14.30	Dry Bulb 8.30	Dry Bulb 14.30	Dew Point 8.30	Dew Point 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	Total ws.	Total ms.	Max. Fall in 24 hrs. Date	Max. ins.	Rain	Thunder
	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%															
January	26.255	26.172	68.1	77.4	65.4	63.8	.632	.641	.062	.301	91	68	9.7	9.2	0	0	0	7	24	545.1	21.46	3.10	30	28	19
February	26.288	26.202	68.9	76.9	65.0	63.5	.623	.635	.092	.298	87	68	9.5	9.0	0	0	1	9	19	252.5	9.94	2.18	13	20	19
March	26.282	26.187	68.4	77.5	64.7	64.7	.617	.617	.083	.337	88	65	9.3	9.0	0	0	2	11	18	164.1	6.46	1.22	29	15	21
April	26.312	26.240	67.7	75.8	63.0	63.	.602	.597	.083	.304	88	66	8.7	8.5	0	1	5	10	14	109.7	4.32	0.91	1	16	6
May	26.367	26.305	66.1	74.3	59.1	58.9	.517	.502	.130	.354	80	59	6.4	8.1	1	5	9	13	3	1.8	0.07	0.03	1	3	0
June	26.432	26.373	62.	71.3	55.1	52.2	.410	.399	.154	.378	73	52	6.5	7.5	0	9	4	11	6	0.0	0.00	0.00	0	0	0
July	26.417	26.358	60.9	70.3	52.2	51.6	.396	.372	.144	.375	74	50	6.0	8.0	3	2	9	14	3	0.3	0.01	0.01	2	1	0
August	26.406	26.344	61.7	72.0	53.1	51.6	.408	.387	.147	.407	74	49	6.3	7.7	1	5	11	6	8	0.0	0.00	0.00		0	0
September	26.376	26.291	65.6	78.0	54.6	51.4	.431	.378	.163	.529	73	42	5.4	7.1	2	6	12	6	4	1.5	0.06	0.06	24	1	0
October	26.344	26.252	68.7	81.1	59.4	55.4	.511	.443	.198	.629	72	41	6.8	7.4	0	5	7	13	6	1.3	0.05	0.05	28	1	2
November	26.317	26.226	70.4	82.2	60.9	56.0	.540	.455	.210	.655	72	41	8.2	7.2	0	2	3	18	7	29.0	1.14	0.72	26	3	5
December	26.276	26.199	68.0	80.3	62.6	59.8	.573	.520	.145	.525	80	50	8.8	8.3	0	1	1	17	12	144.2	5.68	2.82	5	13	9
Year	26.339	26.262	65.3	76.4	59.8	58.0	.522	.495	.134	.424	79	54	7.6	8.1	7	36	64	135	124	1249.6	49.19	3.10	Jan. 30	101	81

@ 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.	Range Max.	Range Min.	Mean	Fog	Mist	Good Vis.
														m.p.h.	m.p.h.	F.		F.		F.	F.	F.	F.	F.			
January	1	9	3	5	0	2	2	9	0	31	0	0	0	3.8	4.5	83.7	15	61.0	27	78.9	64.4	21.1	19.1	6.0	14.5	0	1	30
February	2	15	0	4	1	3	0	4	0	29	0	0	0	4.0	4.5	83.4	8,14	62.8	14	79.8	64.2	22.0	21.4	8.7	15.6	0	1	28
March	0	14	0	5	0	4	0	8	0	31	0	0	0	3.4	4.0	83.5	14	60.3	23	79.8	64.2	22.0	20.4	10.6	15.6	0	0	31
April	0	9	0	21	0	0	0	0	0	30	0	0	0	5.1	6.0	81.3	1	53.2	4	77.4	63.1	70.3	21.8	8.6	14.2	0	2	28
May	0	3	0	21	0	3	1	3	0	31	0	0	0	4.5	4.9	80.0	6,11	53.0	31	76.0	59.3	67.7	21.6	13.0	16.7	0	0	31
June	0	2	1	25	0	1	0	1	0	27	3	0	0	6.7	6.0	77.1	17	49.0	16	73.0	56.0	64.5	27.0	9.3	17.0	0	0	30
July	1	3	3	28	0	0	0	4	0	30	1	0	0	5.8	5.4	76.5	22	50.0	16	72.5	54.7	63.6	24.2	11.6	17.8	0	2	29
August	0	11	0	19	0	0	1	0	0	28	3	0	0	7.4	6.9	80.1	12	52.1	19	73.9	56.8	65.3	22.0	9.4	17.1	0	2	29
September	0	17	2	11	0	0	0	0	0	28	2	0	0	6.7	5.6	83.4	21	48.5	6	78.2	57.6	67.9	28.0	10.9	20.6	0	1	29
October	0	29	0	1	0	0	0	1	0	30	1	0	0	7.2	6.9	87.3	19	60.0	3	83.3	63.4	73.3	24.7	8.6	19.9	0	0	31
November	1	24	2	2	0	0	0	1	0	30	0	0	0	5.6	6.5	88.9	25	62.0	2,7,8	84.8	64.7	74.7	25.2	7.9	20.1	0	0	30
December	0	19	0	3	1	5	0	3	0	31	0	0	0	4.3	5.1	88.2	2	59.5	30	82.1	64.4	73.3	25.4	11.1	17.7	0	0	31
Year	5	155	11	137	2	18	3	35	0	356	10	0	0	5.4	5.5	88.9	Nov. 25	48.5	Sept. 6	78.3	65.2	69.7	28.0	6.0	17.2	0	9	357

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT TABORA OBSERVATORY, 1948.

Lat.: 5°02'S Long.: 32°49'E Alt.: 4151 ft. Standard Time 3h 00m East. Ref. No. 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	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 24hrs.	Date	Rain	der.
	Ins.	Ins.	F.	F.	F.	F.	Ins.	Ins.	Ins.	Ins.	%	%										mm.			
January	25.851	25.780	66.5	77.4	63.1	64.7	.582	.617	.065	.331	90	65	8.1	7.0	0	5	1	9	16	179.4	7.05	1.41	4	16	20
February	25.851	25.783	67.9	80.7	62.7	64.3	.576	.608	.112	.349	84	58	5.1	5.9	1	13	2	8	5	85.3	3.36	0.98	23	11	12
March	25.856	25.786	66.0	77.8	63.1	65.1	.585	.636	.059	.321	91	65	7.3	7.1	0	6	4	12	9	205.7	8.10	0.95	9	22	16
April	25.851	25.783	67.6	80.5	62.0	63.3	.561	.588	.121	.463	82	56	6.8	7.1	1	3	9	11	6	59.7	2.35	2.12	18	7	5
May	25.889	25.818	67.0	81.7	59.5	60.3	.514	.529	.153	.564	77	48	5.6	6.9	1	10	5	15	0	11.4	0.45	0.18	8	3	3
June	25.993	25.859	63.9	81.4	53.5	54.5	.413	.428	.186	.653	69	40	2.1	2.8	11	12	2	5	0	0.0	0.00	0.00	-	0	0
July	25.913	25.839	63.3	81.5	52.1	51.7	.393	.387	.195	.700	67	36	2.4	3.8	8	15	4	4	0	10.6	0.00	0.00	-	0	0
August	25.896	25.824	65.4	83.0	52.9	52.9	.405	.405	.227	.735	64	35	1.7	3.6	13	12	3	2	1	0.0	0.00	0.00	-	0	0
September	25.883	25.791	69.0	85.2	54.0	54.6	.422	.431	.293	.792	59	35	3.3	5.1	6	13	3	8	0	9.4	0.36	0.35	23	2	4
October	25.805	25.694	71.9	87.2	59.4	57.8	.514	.484	.277	.639	65	37	5.3	6.9	0	13	4	13	1	14.2	0.57	0.20	14	4	7
November	25.862	25.750	72.7	86.2	59.9	59.1	.523	.508	.292	.756	64	40	6.4	7.0	0	6	7	16	1	50.8	2.00	0.67	27	11	7
December	25.848	25.765	69.3	80.8	61.7	59.9	.555	.523	.169	.537	77	49	7.4	8.2	0	5	4	14	8	100.6	3.96	0.95	25	18	14
Year	25.870	25.789	67.5	81.9	58.7	59.0	.503	.511	.179	.596	74	47	5.1	5.9	41	113	48	117	47	716.2	28.20	2.12	Apr. 18	94	88

@ At station levels corrected to 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.	Max. Range	Min. Range	Mean Range	Fog	Mist	Good Vis.
													m.p.h.	m.p.h.	F.		F.		F.	F.	F.	F.	F.			
January	2	4	9	6	5	2	1	2	0	27	4	0	8.3	8.3	85.3	15	59.3	9	80.0	62.9	11.5	24.6	5.6	17.1	0	6	26
February	1	3	9	13	2	1	0	0	0	18	11	0	10.5	9.6	87.3	20	60.5	24	83.0	63.6	13.3	23.7	7.9	15.4	0	1	29
March	1	3	11	6	4	2	1	1	2	15	14	0	9.6	9.6	85.0	25	59.0	8	81.4	62.2	11.7	23.6	13.2	18.9	0	0	30
April	0	0	17	10	0	0	0	0	2	9	19	0	14.3	12.3	85.0	16	61.0	25	82.3	63.2	12.7	23.7	10.0	19.2	0	0	30
May	0	0	20	4	0	0	0	0	0	5	24	0	15.7	11.6	86.0	17	59	15	82.3	63.7	12.3	18.4	21.0	0	0	31
June	0	0	14	16	0	0	0	0	0	4	26	0	17.0	12.3	85.0	8	57.1	26	83.0	59.4	11.2	26.9	15.4	23.6	0	0	30
July	0	0	16	15	0	0	0	0	0	5	26	0	17.9	12.3	86.5	26	57.2	5	83.1	59.6	11.5	27.2	18.2	23.6	0	0	31
August	0	1	15	15	0	0	0	0	1	3	28	0	19.9	11.9	88.8	25	57.7	1	85.2	61.1	13.7	27.0	12.8	24.0	0	0	31
September	0	1	16	13	0	0	0	0	0	3	27	0	17.2	10.3	92.4	22	57.8	6	87.7	64.3	16.0	28.7	11.8	23.3	0	0	30
October	2	0	20	5	2	0	0	2	0	18	21	0	15.7	11.9	93.3	20	62.4	2	89.8	66.3	18.1	27.8	16.4	23.5	0	0	31
November	0	3	17	5	2	1	2	0	0	16	14	0	12.3	7.6	92.3	10	62.2	28	89.1	66.7	17.9	26.5	15.5	22.4	0	0	30
December	3	1	10	7	2	2	5	-	0	20	11	0	9.6	9.8	90.9	8	59.5	26	88.8	64.8	14.3	24.6	8.4	19.0	0	2	29
Year	9	16	173	123	17	8	9	7	4	137	225	0	14.0	10.6	93.3	Oct. 20	57.1	June 26	84.3	63.0	13.7	28.7	5.6	21.3	2	2	362

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT TANGA METEOROLOGICAL STATION, 1948.

Lat. 5°04'S Long. 39°06'E Alt. 5 ft. Standard Time 3h 00m East. Ref. No. 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	
	h		Dry Bulb		Dew Point		h		h		h		h		0	1-3	4-6	7-9	10	Total		Max. Fall		Rain	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.	Inv.	in 24 hrs.	Date		day.
	mb.	mb.	F.	F.	F.	F.	Ins.	Ins.	Ins.	Ins.	%	%									Ins.				
January	-	-	79.5	84.3	72.8	74.1	.791	.850	.229	.346	78	71	6.3	5.3	0	1	16	11	3	12.7	0.50	0.50	21	1	0
February	-	-	80.8	86.9	73.6	73.3	.839	.830	.221	.361	79	64	6.2	4.5	0	1	15	13	0	4.1	0.16	0.15	19	2	1
March	-	-	81.4	88.5	74.6	73.9	.865	.845	.216	.513	80	63	6.8	6.0	0	0	13	15	3	43.4	1.71	0.41	22	12	0
April	-	-	78.9	84.9	74.3	74.1	.856	.850	.142	.361	86	70	8.0	7.6	0	0	7	12	11	182.1	7.17	2.56	25	17	0
May	-	-	77.6	83.3	73.2	73.2	.827	.824	.130	.320	87	72	8.4	8.0	0	0	6	12	13	200.7	7.90	1.30	1	22	1
June	-	-	74.9	81.5	70.4	69.7	.750	.732	.124	.355	86	67	7.4	7.8	0	0	12	11	7	154.7	6.09	1.21	7	16	0
July	-	-	73.0	80.4	68.9	68.4	.715	.708	.106	.348	87	67	7.1	6.5	0	0	14	11	6	76.7	3.02	0.63	24	11	0
August	-	-	73.1	80.2	68.9	68.5	.715	.703	.109	.336	87	67	7.6	7.2	0	0	13	6	12	102.4	4.03	2.10	11	20	0
September	-	-	74.7	81.7	70.1	68.3	.741	.700	.127	.393	85	64	7.6	5.8	0	0	11	14	5	18.8	0.74	0.18	25	11	0
October	-	-	77.6	83.9	72.7	71.8	.812	.768	.145	.404	85	66	8.1	5.8	0	1	4	20	6	143.3	5.64	1.40	31	19	0
November	-	-	79.6	84.9	74.3	73.8	.856	.842	.166	.372	84	70	6.3	5.0	0	0	20	6	4	115.3	4.54	1.36	14	10	0
December	-	-	78.5	84.3	74.0	75.0	.848	.877	.138	.310	86	74	6.7	7.5	0	0	3	16	12	394.2	13.55	6.34	18	20	0
																							Dec.		
Year	-	-	77.5	83.7	72.3	71.9	.801	.793	.154	.377	84	68	7.4	6.4	0	3	134	147	82	1398.4	55.05	6.34	18	167	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 Temperature at 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.	Abs. Max.	Abs. Min.	Range Mean	Fog	Mist	Good Vis.
													m.p.h.	m.p.h.	F.		F.		F.	F.	F.	F.	F.			
January	0	0	0	29	2	0	0	0	0	23	8	0	10.5	15.7	88.4	18	73.1	Often	86.8	75.9	91.3	14.6	0.6	10.8	0	1	30
February	0	0	0	27	2	0	0	0	0	25	4	0	9.4	15.7	91.9	29	73.1	2	89.3	75.9	92.6	17.3	10.0	15.4	0	0	29
March	0	0	0	29	0	0	0	0	0	26	5	0	9.1	14.3	92.1	16,17	73.1	1,2,23	90.4	76.2	93.3	18.7	11.3	14.2	0	2	29
April	1	23	0	6	0	0	0	0	0	22	8	0	9.6	14.8	90.9	1	71.4	27	86.9	73.5	90.7	16.3	2.0	12.4	0	9	21
May	0	31	0	0	0	0	0	0	0	27	4	0	8.9	14.1	89.1	7,8	70.7	23	85.4	73.3	89.3	15.9	7.0	12.1	0	9	22
June	0	30	0	0	0	0	0	0	0	25	5	0	10.1	16.8	86.1	5	68.1	23,24	83.4	70.9	87.1	15.8	8.7	12.5	0	9	21
July	0	30	1	0	0	0	0	0	0	24	7	0	9.6	14.5	85.1	10	67.5	8	82.0	69.5	85.7	16.2	6.3	12.6	0	4	27
August	0	25	0	0	6	0	0	0	0	27	4	0	8.3	14.8	84.2	13	65.1	13	81.8	68.6	85.2	19.1	9.0	13.2	0	6	25
September	0	0	0	0	1	29	0	0	0	24	6	0	9.6	16.6	85.2	17	65.4	1	83.1	69.2	86.1	18.8	9.8	15.9	0	4	26
October	0	2	0	0	0	29	0	0	0	25	6	0	9.2	14.8	88.1	11,25	68.1	6	85.5	71.5	88.5	18.0	9.3	14.0	0	8	23
November	0	9	0	0	1	20	0	0	0	22	8	0	9.6	15.4	88.1	23,24	70.1	18,23	86.4	73.5	89.7	18.0	9.2	13.4	0	3	26
December	0	29	1	1	0	0	0	0	0	22	9	0	9.6	15.2	91.0	27	71.7	30	86.5	73.8	88.1	15.4	6.7	12.7	1	9	21
																Mar.		Aug.								
Year	1	181	2	92	12	71	7	0	0	292	74	0	9.4	15.2	92.1	16,17	65.1	13	85.6	72.7	79.1	19.1	0.6	12.9	2	64	300

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT UKIRIGURU, MWANZA, 1948.

Lat.: 2°48'S Long.: 33°01'E Alt.: 3977 ft. Standard Time 3h 0m East. Ref. No. 92.33/04.

Month	Atmospheric Pressure @		Temperature						Vapour Pressure		Saturation Deficit		Relative Humidity		Total Cloud Amt.		Number of Occasions at 8.30 h of Cloud Amounts					Rainfall				Number of Days of	
			Dry Bulb		Wet Bulb		Dew Point															Total		Max. Fall			
	h 8.30	h 14.30	8.30	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.	in 24hrs.	Date	Rain	Thun-der.
	ins.	ins.	F.	C	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%								mm.		mm.			
January	25.998	25.921	68.3	79.4	62.9	60.6	59.8	57.6	.579	.535	.118	.481	83	53	8.3	8.2	0	0	6	17	8	55.4	2.18	0.45	6	17	9
February	25.998	25.921	70.8	82.5	62.8	59.6	56.1	53.7	.561	.517	.201	.605	74	46	6.9	7.3	0	2	10	15	2	24.4	0.96	0.36	25	9	4
March	26.007	25.930	68.8	79.2	62.3	59.8	56.7	54.2	.520	.445	.487	.80	52	47	7.7	7.2	0	2	8	19	7	158.2	6.23	2.13	6	14	11
April	25.995	25.924	68.8	79.8	63.0	62.9	58.2	57.9	.579	.538	.449	.449	82	57	8.5	8.2	0	0	3	22	5	97.3	3.83	1.03	10	11	5
May	26.031	25.980	68.8	79.5	61.5	61.2	55.2	54.6	.460	.513	.78	54	8.0	8.3	0	0	6	23	2	10	2	101.2	4.22	1.34	30	17	4
June	26.069	26.001	67.2	80.0	59.5	59.8	51.4	52.0	.459	.159	.514	.76	50	53.7	6.2	3	4	10	12	1	4	9.4	0.37	0.33	1	1	0
July	26.054	25.983	67.5	81.2	57.1	59.4	47.3	51.4	.203	.561	69	48	6.2	6.8	1	3	13	14	0	0	1	1.5	0.06	0.06	13	1	2
August	26.045	25.966	68.7	82.8	55.7	55.9	44.9	45.2	.260	.679	63	40	5.7	6.6	0	3	16	11	0	1	0	1.3	0.05	0.05	4	0	1
September	26.025	25.942	71.1	80.7	58.5	58.1	49.6	49.0	.275	.570	65	46	7.5	8.2	0	3	4	23	0	0	3	44.7	1.76	0.94	20	5	6
October	26.022	25.924	72.4	80.6	61.8	59.6	55.8	51.7	.245	.537	69	49	6.8	8.0	0	5	10	15	1	0	0	98.0	3.86	1.13	29	12	11
November	26.016	25.913	72.0	80.4	62.2	59.6	56.7	51.7	.227	.531	72	49	7.8	8.2	0	0	5	22	3	0	0	86.1	3.39	1.20	18	12	6
December	26.007	25.938	69.5	78.2	62.0	60.5	56.1	55.1	.168	.440	77	55	8.1	8.3	0	0	5	23	3	0	0	80.5	3.17	0.95	15	11	5
Year	26.022	25.943	69.5	80.3	60.7	59.7	53.8	52.0	.191	.527	77	50	7.3	7.6	4	23	96	211	32	4	0	764.0	30.08	2.13	Mar. 6	149	63

@ 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	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	0	2	4	3	12	3	0	1	6	23	2	0	5.6	7.2	88.0	18	60.2	22	82.0	64.5	73.3	25.3	6.5	17.5	0	1	30
February	0	0	2	9	17	0	0	0	1	25	3	0	7.4	8.3	91.1	15	61.4	7	85.3	65.4	75.3	26.6	9.0	19.9	0	0	29
March	0	1	1	7	11	4	2	0	5	24	2	0	6.0	6.9	88.1	5	61.8	7	80.7	65.3	73.0	22.1	4.2	15.4	0	0	31
April	0	0	1	5	18	0	0	0	6	16	8	0	7.6	8.3	86.7	2	62.7	11	80.7	65.1	72.9	21.6	4.8	15.5	0	0	30
May	0	0	0	6	20	0	1	0	4	23	4	0	6.5	5.6	-	-	59.8	25	-	64.5	-	-	-	-	0	0	31
June	0	0	6	3	17	0	0	0	4	22	4	0	6.5	7.4	-	-	56.2	25	-	61.8	-	-	-	-	0	1	29
July	0	0	2	10	17	0	0	0	2	20	9	0	9.6	11.0	-	-	57.0	10	-	61.6	-	-	-	-	0	0	31
August	0	0	4	8	17	0	0	0	2	20	9	0	10.3	9.4	89.7	25	60.2	14	85.4	63.5	74.5	28.2	14.3	21.9	0	0	31
September	0	2	7	9	12	0	0	0	0	26	4	0	8.7	8.7	88.2	30	58.7	6	84.5	64.9	74.7	26.1	11.9	19.6	0	0	30
October	1	1	14	9	3	0	0	0	3	23	5	0	6.9	9.4	90.8	3	68.5	24	84.4	65.5	74.9	25.3	8.1	18.9	0	0	31
November	2	0	7	15	4	0	0	0	2	23	5	0	6.5	6.9	87.2	5	62.5	7	82.4	66.0	74.2	21.7	8.2	16.5	0	0	30
December	1	0	12	6	6	0	0	0	6	21	4	0	6.3	7.8	89.0	8	59.9	25	81.0	64.7	72.9	25.2	5.1	16.3	0	1	30
Year	4	6	60	90	154	7	3	1	41	266	59	0	7.3	8.1	-	-	56.2	June 25	-	64.4	-	-	-	-	0	3	363