EAST AFRICAN

METEOROLOGICAL DEPARTMENT

SUMMARY OF METEOROLOGICAL OBSERVATIONS

FOR

1949.

PART - II TANGANYIKA.

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National Oceanic and Atmospheric Administration

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

1949

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SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT AMANI, IN 1949.

Latitude 5°06'S Longitude 38°38'E Altitude 2969 feet. Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature				Extremes of Temperature							Relative Humidity		Rainfall		
			Dry Bulb		Dew Point													
	0830	1430	0830	1430	0830	1430	Max.	Date	Min.	Date	Mean Max.	Mean Min.	Max. + Min. 2	Mean Range	0830	1430	Total	Max. Fall in 24 hrs.	Date
	mb.	mb.	°F	°F	°F	°F	°F		°F		°F	°F	°F	°F	%	%	ins.	ins.	
January	912.2	909.4	69.3	78.4	65.9	68.0	84.7	31	59.0	20,24	80.5	63.0	71.7	17.5	89	71	2.19	0.56	15
February	911.4	908.5	69.5	82.1	65.9	67.6	87.0	6	59.0	18,19	83.6	62.6	73.2	20.8	89	62	1.16	0.54	2
March	911.1	906.2	71.0	83.8	66.8	66.7	90.5	12	59.8	1	85.6	63.9	74.7	21.7	87	57	3.04	1.01	31
April	913.1	910.3	69.5	77.5	67.4	69.2	87.0	2	62.0	30	79.8	64.8	72.3	15.1	93	76	15.26	4.43	10
May	914.2	911.6	68.2	73.5	65.2	67.1	79.6	1	57.2	31	75.7	63.0	69.3	12.6	90	81	10.13	1.64	3
June	916.1	913.7	64.9	70.6	61.5	63.4	75.3	8	57.0	2,13,22	72.7	59.8	66.3	12.9	89	76	2.94	0.64	11
July	916.0	913.7	63.5	69.1	61.0	63.0	73.6	12	55.1	18	70.9	59.5	65.2	11.3	92	81	9.67	2.76	18
August	915.2	913.3	62.7	69.8	60.8	62.6	75.1	28	51.6	19	71.7	57.3	64.5	14.4	93	78	3.90	0.60	7,26
September	915.4	913.3	65.1	71.7	61.7	62.4	76.6	16	52.1	30	73.8	56.9	65.3	16.9	89	73	2.32	0.81	6
October	914.9	912.0	67.5	75.7	63.7	63.4	81.0	31	55.0	1	77.7	59.1	68.4	18.6	86	66	1.19	0.84	27
November	912.9	909.8	70.7	79.8	66.0	67.1	86.0	29	55.0	1	83.1	61.8	72.5	21.3	85	66	1.04	0.50	7
December	911.1	908.3	71.6	78.2	67.3	69.0	89.2	1	60.2	5	81.9	63.8	72.9	18.2	86	74	11.11	2.70	11
Year	913.8	911.0	67.8	75.9	64.4	65.8	90.5	March 12	51.8	Aug. 19	78.1	61.3	69.7	16.8	89	72	63.35	4.43	April 10

Month	Prevailing Wind Direction (2)		Mean Wind Speed		Cloud Amount (eighths) and Frequency of Total Cloud.														Frequency of Visibility (3)						No. of days of	
					Total		Low		0830					1430					0830			1430			Rain (4)	Thunder
	0830	1430	0830	1430	0830	1430	0830	1430	0	1-2	3-5	6-7	8	0	1-2	3-5	6-7	8	Fog	Mist or Haze	Good	Fog	Mist or Haze	Good		
			knots	knots																						
January	N	E	5	12	4.8	5.3	3.9	5.0	0	2	16	10	3	0	1	16	11	3	0	1	30	0	0	31	14	2
February	W	E	5	14	4.8	5.1	4.0	4.6	0	0	17	10	1	0	0	17	11	0	1	0	27	0	0	28	5	6
March	W/N	E	6	18	4.4	5.4	3.5	5.5	0	3	20	8	0	0	0	12	19	0	0	24	7	0	0	31	10	7
April	W	E/W	6	14	6.8	6.3	6.5	6.3	0	0	4	12	14	0	0	4	21	5	0	22	8	0	4	26	24	2
May	W	SW/W	11	14	6.3	6.5	6.1	6.5	0	0	9	13	9	0	0	4	22	5	0	21	10	0	5	26	21	0
June	SW/W	SW/W	14	15	6.8	6.7	6.6	6.7	0	1	3	15	11	0	0	3	19	8	0	26	4	0	2	28	13	0
July	SW/W	SW	13	13	7.1	7.1	7.0	7.1	0	0	3	15	13	0	0	0	21	10	1	28	2	0	2	29	23	0
August	W	E/SW	9	18	7.0	6.6	6.9	6.8	0	0	4	12	15	0	0	5	16	10	1	29	1	1	1	29	22	0
September	N	E	11	20	6.4	6.5	6.2	6.4	0	1	7	12	10	0	0	5	19	6	1	29	0	1	4	25	13	0
October	E	E/SE	11	21	6.5	5.6	6.4	5.4	0	0	6	16	7	0	0	14	16	1	1	22	8	0	0	31	8	0
November	E	E	9	16	5.3	5.1	4.9	4.8	0	3	12	10	5	0	0	17	13	0	2	13	15	0	0	30	7	0
December	E	E	6	12	5.5	5.7	4.5	5.0	0	2	14	9	6	0	1	13	13	4	0	22	9	0	2	29	18	1
Year	W	E	9	15	6.0	6.0	5.6	5.8	0	12	115	144	94	0	2	110	201	52	7	237	121	2	20	343	178	18

Notes: (1) Pressure is given at Station Level.
(2) Two wind directions separated by a solidus(/) mean that there were these two predominant directions: two directions separated by a hyphen (-) mean that the wind was from between these two directions.
(3) The following definitions are used in this table: Fog = Visibility less than 1100 yards: Mist or Haze = Visibility 1100 yards to 6½ miles: Good = Visibility 12 miles or over.
(4) A day of rain is one on which 0.01 inch or more of rain falls.

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT ARUSHA, IN 1949.

Latitude 3°23'S Longitude 36°41'E Altitude 4500 feet. Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature				Extremes of Temperature							Relative Humidity		Rainfall		
			Dry Bulb		Dew Point						Mean Max.	Mean Min.	Max. + Min. 2	Mean Range				
	0830	1430	0830	1430	0830	1430	Max.	Date	Min.	Date					0830	1430	Total	Max. Fall in 24 hrs.	Date
	mb.	mb.	°F	°F	°F	°F	°F		°F		°F	°F	°F	°F	%	%	ins.	ins.	
January	-	-	63.3	78.2	59.6	59.2	85.5	28	51.2	18,19	81.3	55.8	68.5	25.7	86	52	0.97	0.70	2
February	-	-	64.1	77.9	59.5	59.6	87.4	7	52.4	28	81.8	55.6	68.7	26.1	85	54	4.16	3.74	10
March	-	-	64.1	79.9	60.8	60.0	87.5	11,12	50.2	4	83.6	57.4	70.5	26.2	89	51	0.90	0.74	2
April	-	-	64.9	75.5	62.0	60.9	84.5	6	54.1	16	79.3	62.0	70.7	17.4	91	61	21.27	7.50	15
May	-	-	61.9	71.9	59.5	61.3	78.0	23	53.1	13	74.9	59.3	67.1	15.6	92	69	2.60	0.88	19
June	-	-	59.8	69.0	54.5	56.8	78.0	28	50.0	12	71.9	55.9	63.9	16.1	83	65	0.13	0.05	15,30
July	-	-	57.6	67.4	54.6	57.3	76.0	10	53.0	18	70.6	55.9	63.3	14.7	90	71	2.21	1.26	11
August	-	-	58.1	69.3	52.9	53.2	78.0	22	48.5	18	73.1	54.7	63.9	18.4	83	57	0.02	0.02	12
September	-	-	60.9	73.1	53.6	51.8	81.7	16	52.0	5,30	75.7	55.4	65.5	20.3	77	48	1.00	0.47	6
October	-	-	61.8	76.7	56.8	53.8	85.0	2	54.0	19	79.8	57.6	68.7	22.1	84	45	0.01	0.01	26
November	-	-	64.5	78.9	59.8	54.5	89.0	22	55.0	4	81.9	59.1	70.5	22.3	85	43	0.98	0.38	3
December	-	-	64.9	74.1	61.1	60.1	84.0	1	51.5	25	79.3	58.2	68.7	20.9	88	62	4.50	1.38	5
Year	-	-	62.1	74.3	57.9	57.4	89.0	Nov. 22	48.5	Aug. 18	77.8	57.2	67.5	20.5	85	57	38.75	7.50	April 15

Month	Prevailing Wind Direction (2)		Mean Wind Wind		Cloud Amount (eighths) and Frequency of Total Cloud.														Frequency of Visibility (3)						No. of days of	
					Total		Low		0830					1430					0830			1430				
	0830	1430	0830	1430	0830	1430	0830	1430	0	1-2	3-5	6-7	8	0	1-2	3-5	6-7	8	Fog	Mist or Haze	Good	Fog	Mist or Haze	Good	Rain (4)	Thunder
			knots	knots																						
January	NE	NE	2	6	3.3	2.9	2.8	2.3	0	19	1	3	6	0	17	8	4	0	4	0	25	0	0	29	6	5
February	E	NE/E	1	5	3.2	4.7	3.2	4.5	1	18	2	3	4	0	4	14	9	1	3	0	25	0	0	28	5	2
March	E	NE/E	3	5	5.5	4.8	5.3	4.8	0	4	10	9	8	0	0	22	9	0	3	0	28	0	0	31	4	0
April	E	E	3	5	6.7	5.7	6.4	5.3	0	2	4	9	14	0	0	12	15	1	9	3	17	0	0	28	18	1
May	E	E	4	5	7.4	5.1	6.9	5.0	0	1	1	5	23	0	0	21	6	3	3	0	27	0	0	30	16	0
June	E	E	5	5	6.7	5.1	6.7	4.9	0	0	6	5	19	0	0	20	5	5	0	0	30	0	0	30	3	0
July	E	E	6	6	7.5	5.0	7.2	4.7	0	0	1	7	20	0	3	12	9	4	0	0	28	0	0	28	10	0
August	E	NE/E	6	6	6.9	5.4	6.9	5.4	1	1	3	5	20	1	3	6	19	1	2	0	28	1	0	30	1	0
September	E	NE/E	5	9	4.8	4.8	4.7	4.6	1	9	4	9	7	0	2	14	13	1	0	0	30	0	0	30	4	0
October	E	NE	7	10	6.3	4.7	6.3	4.7	0	1	7	11	10	0	2	18	9	0	0	0	29	0	0	29	1	0
November	E	NE/E	5	9	5.7	4.8	5.6	4.6	2	4	3	6	11	0	6	7	10	2	0	0	26	0	0	25	6	3
December	E	NE/E	4	7	6.6	6.4	6.6	6.4	0	1	5	10	12	0	0	7	16	5	0	0	28	0	0	28	17	9
Year	E	NE/E	4	7	5.9	4.9	5.7	4.8	5	60	47	82	154	1	37	161	124	23	24	3	321	0	0	346	91	28

Notes: (1) Pressure is given at Station Level.
(2) Two wind directions separated by a solidus (/) mean that there were these two predominant directions: two directions separated by a hyphen (-) mean that the wind was from between these two directions.
(3) The following definitions are used in this table: Fog = Visibility less than 1100 yards; Mist or Haze = Visibility 1100 yards to 6½ miles; Good = Visibility 12 miles or over.
(4) A day of rain is one on which 0.01 inch or more of rain falls.

Latitude 29°38'S Longitude 31°19'E Altitude 4650 feet. Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature				Extremes of Temperature								Relative Humidity		Rainfall		
			Dry Bulb		Dew Point													Max. Fall	
	0830	1430	0830	1430	0830	0830	Max.	Date	Min.	Date	Mean Max.	Mean Min.	Max. + Min. 2	Mean Range	0830	1430	Total	in 24 hrs.	Date
	mb.	mb.	°F	°F	°F	°F	°F		°F		°F	°F	°F	°F	%	%	ins.	ins.	
January	-	-	67.3	75.8	63.0	71.1	84.8	15	58.0	31	79.1	62.1	70.6	16.6	86	85	3.46	0.93	30
February	-	-	66.0	75.1	61.9	70.0	84.0	28	56.0	2,7,12	78.5	60.7	69.6	17.8	87	84	2.37	1.17	24
March	-	-	68.4	76.1	61.5	70.2	86.0	5	56.0	14	81.6	63.2	72.4	18.4	79	77	1.06	0.30	13
April	-	-	66.9	74.8	63.0	69.7	83.2	1	59.0	12	78.4	62.0	70.2	16.4	87	84	5.35	1.20	11
May	-	-	66.7	75.5	60.2	69.9	82.4	23	57.2	29	78.6	61.7	70.1	16.9	80	83	1.24	0.33	19
June	-	-	66.1	76.5	54.7	67.6	83.2	22	58.0	15	80.2	60.9	70.5	19.3	67	74	0.00	0.00	0
July	-	-	65.2	74.1	55.3	66.2	83.4	16	56.5	26,27	79.3	61.5	70.4	17.7	71	76	0.96	0.64	11
August	-	-	67.6	77.6	57.8	69.1	86.2	16	58.4	13	81.9	61.7	71.8	20.2	71	75	0.70	0.70	31
September	-	-	66.1	77.3	59.1	70.1	85.0	7	59.0	6	81.8	62.4	72.1	19.4	73	79	1.12	0.60	16
October	-	-	70.8	77.4	60.0	66.6	86.5	26	61.0	23	82.4	63.0	72.7	19.4	69	75	1.47	1.05	17
November	-	-	70.5	76.3	62.1	69.6	87.0	21	60.0	8	81.2	63.7	72.5	17.4	75	80	3.54	1.28	5
December	-	-	66.7	71.3	62.4	67.4	85.4	31	58.0	1	77.3	61.3	69.3	15.9	86	88	4.84	0.95	23
Year	-	-	67.5	75.6	60.1	69.1	87.0	Nov. 21	56.0	May 29	80.0	62.0	71.0	17.9	77	80	28.11	1.28	Nov. 5

Month	Prevailing Wind Direction(2)		Mean Wind Speed		Cloud Amount (eighths) and Frequency of Total Cloud														Frequency of Visibility (3)						No. of days of	
					Total		Low		0830					1430					0830			1430			Rain (4)	Thunder
	0830	1430	0830	1430	0830	1430	0830	1430	0	1-2	3-5	6-7	8	0	1-2	3-5	6-7	8	Fog	Mist or Haze	Good	Fog	Mist or Haze	Good		
			Knots	Knots																						
January	E	N	1	2	5.3	5.5	4.6	4.5	2	6	6	9	8	0	4	10	9	8	0	5	26	0	2	29	9	2
February	SE	E	1	2	4.3	5.4	4.0	5.2	1	10	5	6	6	0	5	9	11	3	0	27	1	0	16	12	9	0
March	SE	E/SE	5	3	4.0	4.6	2.0	3.0	0	14	5	8	4	0	3	17	10	1	0	30	1	0	23	8	9	1
April	E	E	3	4	4.8	5.5	1.9	2.2	0	11	3	8	8	0	0	11	15	4	2	15	13	0	10	20	15	0
May	SE	E/SE	8	5	4.1	4.7	1.6	2.2	0	13	6	5	5	0	7	8	14	2	0	15	16	0	3	28	8	0
June	SE	SE	11	5	3.0	4.0	0.2	1.2	0	21	4	4	1	0	7	16	5	2	0	23	7	0	25	5	0	0
July	SE	SE	13	8	3.4	4.6	0.5	2.5	0	21	3	3	4	0	6	11	12	2	0	24	7	0	25	6	2	0
August	SE	SE	6	9	3.2	5.3	0.7	2.9	1	15	10	3	2	0	2	9	18	2	0	30	1	0	22	9	1	0
September	SE	SE	11	6	4.1	5.6	1.9	3.0	0	8	14	7	1	0	2	8	20	2	0	30	0	0	24	6	5	0
October	E/SE	SE	8	6	5.3	5.8	1.9	2.8	0	0	14	14	3	0	0	4	26	1	0	31	0	0	21	10	4	0
November	E/SE	E/SE	6	6	5.8	6.4	1.6	3.3	1	0	8	17	4	0	0	1	24	5	0	28	2	0	16	14	11	0
December	E	E	4	6	6.3	6.7	3.3	3.9	0	0	9	11	11	0	0	0	21	10	0	27	4	1	13	17	17	0
Year	SE	SE	6	5	4.5	5.3	2.1	3.1	5	119	89	95	57	0	36	102	185	42	2	285	78	1	208	164	98	3

Notes: (1) Pressure is given at Station Level.
(2) Two wind directions separated by a solidus (/) mean that there were these two predominant directions: two directions separated by a hyphen (-) mean that the wind was from between these two directions.
(3) The following definitions are used in this table: Fog = Visibility less than 1100 yards: Mist or Haze = Visibility 1100 yards to 6½ miles: Good = Visibility 12 miles or over.
(4) A day of rain is one on which 0.01 inch or more of rain falls.

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT BUKOBA 2ND ORDER STATION, IN 1949.

Latitude 1°20'S Longitude 31°49'E Altitude 3753 feet. Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature				Extremes of Temperature							Relative Humidity		Rainfall		
			Dry Bulb		Dew Point												Max. Fall	
	0830	1430	0830	1430	0830	1430	Max.	Date	Min.	Date	Mean Max.	Mean Min.	Max. + Min. 2	Mean Range	0830	1430	Total	in 24 hrs.	Date
	mb.	mb.	°F	°F	°F	°F	°F		°F		°F	°F	°F	°F	%	%	ins.	ins.	
January	-	-	69.4	80.1	65.3	68.4	85.0	20	56.0	14	81.7	61.0	71.3	20.7	86	68	1.91	0.58	21
February	-	-	67.3	77.4	62.7	67.5	84.5	16	56.0	24	80.2	60.4	70.3	19.8	85	72	3.11	0.95	2
March	-	-	70.0	80.0	64.7	69.5	85.0	18	58.0	5,12,16	81.8	61.3	71.5	20.5	83	71	4.99	0.97	19
April	-	-	67.4	76.1	64.8	68.5	86.0	17	59.0	5	79.8	61.2	70.5	18.6	92	77	18.14	5.05	22
May	-	-	67.1	76.9	65.3	68.7	83.0	17	57.5	16	79.0	60.3	69.7	18.8	87	76	4.74	0.85	22
June	-	-	68.7	77.7	62.9	66.3	82.0	9	54.8	15	78.8	57.2	68.0	21.6	82	68	2.23	0.77	20
July	-	-	66.4	74.6	61.1	63.8	81.0	16	54.5	4	76.9	57.0	66.9	19.9	83	69	7.21	2.05	4
August	-	-	67.2	75.3	62.7	65.1	83.0	22	57.0	2	78.0	58.9	69.5	19.3	86	71	5.10	1.27	31
September	-	-	68.5	75.2	64.8	68.1	84.0	30	55.0	10	79.1	59.4	69.3	19.6	88	79	3.95	0.87	5,18
October	-	-	69.5	74.3	65.7	68.0	84.0	17	57.0	12,19	79.2	59.9	69.5	19.3	88	81	8.88	2.50	17
November	-	-	71.5	76.9	64.9	66.2	85.0	22	-	-	81.1	-	-	-	80	70	4.77	1.20	28
December	-	-	68.2	73.1	64.5	67.0	86.5	25	-	-	79.2	-	-	-	88	81	9.67	2.03	23
Year	-	-	68.6	76.5	64.1	67.3	88.0	April 17	-	-	79.6	-	-	-	86	73	74.81	5.05	April 22

Month	Prevailing Wind Direction (2)		Mean Wind Speed		Cloud Amount (eighths) and Frequency of Total Cloud													Frequency of Visibility (3)						No. of days of	
					Total		Low		0830					1430				0830			1430			Rain (4)	Thunder
	0830	1430	0830	1430	0830	1430	0830	1430	0	1-2	3-5	6-7	8	0	1-2	3-5	6-7	8	Fog	Mist or Haze	Good	Fog	Mist or Haze	Good		
			knots	knots																						
January	E	E	2	3	5.9	4.5	5.7	4.1	0	0	13	10	8	0	2	22	7	0	0	0	31	0	0	31	9	8
February	E	E	3	3	6.2	4.9	5.6	4.0	0	0	9	11	8	0	1	16	9	2	0	0	28	0	0	28	8	6
March	E/S	SE	4	4	5.8	4.3	5.4	3.4	0	1	11	9	10	0	5	17	8	1	0	0	31	0	0	31	14	4
April	S	S	3	4	6.6	4.9	6.3	4.1	0	1	4	12	13	0	3	16	8	3	0	0	30	0	0	30	21	3
May	S	S/E	4	6	5.5	4.6	4.8	3.6	0	3	13	6	9	0	3	18	7	3	0	0	31	0	0	31	11	7
June	SE/S	SE/S	5	6	4.3	4.0	2.8	3.4	2	5	11	9	3	1	8	13	6	2	0	0	30	0	0	30	5	1
July	SE/S	SE/S	6	6	5.1	4.5	4.8	3.6	1	4	10	11	5	0	9	9	8	5	0	0	31	0	0	31	14	6
August	E	E	3	7	5.2	5.2	5.0	4.8	4	1	10	7	9	4	2	10	8	7	0	0	31	0	0	31	7	14
September	E	E	3	6	6.0	6.1	5.8	5.8	1	3	8	6	12	0	1	11	8	10	0	0	30	0	0	30	12	4
October	E	E	3	6	6.7	6.5	6.7	6.5	1	0	4	11	15	0	3	3	15	10	0	1	30	0	0	31	18	12
November	E	E	2	6	6.3	6.0	6.3	6.0	2	0	3	16	9	2	2	4	16	6	0	0	30	0	0	30	8	6
December	E	E	3	3	7.3	7.1	7.3	7.1	0	1	1	8	21	0	0	1	19	11	0	0	31	0	0	31	19	15
Year	E/S	E-S	3	5	5.9	5.2	5.5	4.7	11	19	97	116	128	7	38	140	119	66	0	1	364	0	0	365	142	86

Notes: (1) Pressure is given at Station Level.
(2) Two wind directions separated by a solidus (/) mean that there were these two predominant directions; two directions separated by a hyphen (-) mean that the wind was from between these two directions.
(3) The following definitions are used in this table: Fog = Visibility less than 1100 yards; Mist or Haze = Visibility 1100 yards to 6½ miles; Good = Visibility 12 miles or over.
(4) A day of rain is one on which 0.01 inch or more of rain falls.

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT DAR ES SALAAM AIR FIELD, IN 1949.

Latitude 6°52'S Longitude 39°16'E Altitude 185 feet. Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature								Extremes of Temperature						Relative Humidity		Rainfall		
			Dry Bulb		Dew Point										Mean Max. + Min. 2	Mean Range					
	0830	1430	0830	1430	0830	1430	Max.	Date	Min.	Date	Mean Max.	Mean Min.					0830	1430	Total	Max. Fall in 24 hrs.	Date
	mb.	mb.	°F	°F	°F	°F	°F		°F		°F	°F			°F	°F	%	%	ins.	ins.	
January																					
February																					
March																					
April																					
May																					
June																					
July	1014.6	1012.2	71.9	82.8	69.4	68.1	87.9	5	63.5	30	84.5	66.6	75.5	17.9	92	61	3.23	1.55	13		
August	1014.1	1011.4	72.5	83.9	69.1	66.4	89.4	27	60.8	21	85.6	65.2	75.4	20.4	89	56	0.28	0.24	31		
September	1014.4	1011.3	74.9	84.3	69.7	66.9	90.2	29	61.0	23	86.2	64.8	75.5	21.4	84	56	1.22	0.91	6		
October	1013.4	1009.9	79.0	86.0	71.7	71.6	90.2	28	63.4	20	87.7	67.2	77.5	20.6	78	62	1.37	0.80	6		
November	1010.7	1007.4	82.5	88.0	74.9	75.0	92.0	15	65.1	2	89.7	71.7	80.7	18.0	78	66	0.30	0.15	27		
December	1008.9	1005.8	82.5	87.3	76.8	77.1	93.2	16	68.9	17	90.3	74.7	82.5	15.6	83	72	2.07	1.05	23		
Year	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Month	Prevailing Wind Direction (2)		Mean Wind Speed		Cloud Amount (eighths) and Frequency of Total Cloud													Frequency of Visibility (3)						No. of days of	
					Total		Low		*	0830				1430				0830			1430			Rain (4)	Thunder
	0830	1430	0830	1430	0830	1430	0830	1430		0	1-2	3-5	6-7	8	0	1-2	3-5	6-7	8	Fog	Mist or Haze	Good	Fog	Mist or Haze	Good		
			knots	knots																							
January																											
February																											
March																											
April																											
May																											
June																											
July	SW	SE	10	13	5.3	5.5	2.5	3.3	0	4	12	6	9	0	2	11	11	7	0	1	30	0	1	30	6	0
August	SW	SE/SSE	5	14	5.1	5.8	2.5	3.5	0	2	14	11	4	0	0	9	19	3	0	0	31	0	0	31	2	0
September	SW	ESE-SE	5	12	4.3	4.9	2.6	3.8	0	6	16	7	1	0	5	11	9	5	0	0	30	0	0	30	6	0
October	E	ESE	3	13	4.4	4.6	3.2	3.3	0	4	19	7	1	0	2	21	7	1	0	0	31	0	0	31	4	0
November	N-NE	NE-E	6	12	5.7	3.6	5.0	2.1	0	0	13	14	3	0	9	15	6	0	0	0	30	0	0	30	3	0
December	N-E	NE/E	5	12	5.1	4.7	4.1	3.0	0	1	15	12	3	0	5	13	5	8	0	0	31	0	0	31	10	6
Year	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes: (1) Pressure is given at Station Level.
(2) Two wind directions separated by a solidus (/) mean that there were these two predominant directions: two directions separated by a hyphen (-) mean that the wind was from between these two directions.
(3) The following definitions are used in this table: Fog = Visibility less than 1100 yards; Mist or Haze = Visibility 1100 yards to 6½ miles; Good = Visibility 12 miles or over.
(4) A day of rain is one on which 0.01 inch or more of rain falls.

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT DAR ES SALAAM, (KURASINI), IN 1949.

11.30 GMT

Latitude 6°50'S Longitude 39°18'E Altitude 47 feet. Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature				Extremes of Temperature								Relative Humidity		Rainfall		
			Dew Bulb		Dew Point														
	0830	1430	0830	1430	0830	1430	Max.	Date	Min.	Date	Mean Max.	Mean Min.	Max. + Min. 2	Mean Range	0830	1430	Total	Max. Fall in 24 hrs.	Date
	mb.	mb.	°F	°F	°F	°F	°F		°F		°F.	°F	°F	°F	%	%	ins.	ins.	
January	1010.9	1008.5	81.0	84.0	76.1	76.3	87.5	20	70.7	15	85.5	76.1	80.8	9.4	85	78	0.31	0.24	10
February	1010.2	1007.2	80.9	85.5	76.2	77.6	88.5	28	70.6	9	86.9	77.3	82.1	9.7	86	77	0.94	0.51	12
March	1009.8	1006.9	81.8	86.2	76.7	77.8	91.6	27	71.2	23	88.4	76.2	82.3	12.2	85	77	4.81	1.41	25
April	1011.6	1008.9	78.9	84.8	75.1	75.7	92.0	2,7	71.2	29	87.5	73.9	80.7	13.6	88	74	2.99	1.00	28
May	1013.2	1010.6	75.8	84.6	72.5	72.3	89.8	2	65.0	31	86.5	70.8	78.7	15.7	90	67	5.80	1.60	11
June	1013.8	1013.2	73.5	83.5	69.0	67.5	87.2	30	64.2	5	85.0	67.9	76.5	17.1	86	59	0.77	0.38	13
July	1014.6	1012.2	71.8	81.9	66.9	67.7	86.2	2	63.8	30	83.5	67.1	75.3	16.4	91	63	2.41	0.96	18
August	1014.1	1011.4	72.7	82.5	68.1	66.3	87.8	27	61.5	21	84.2	65.6	74.9	18.6	86	58	0.36	0.23	26
September	1014.4	1011.3	75.0	82.1	69.7	67.5	86.7	23	62.4	23	84.4	65.8	75.1	18.6	84	61	1.11	0.46	6
October	1013.4	1009.9	79.2	83.1	71.3	70.0	88.1	20	64.4	20	84.7	67.9	76.3	16.9	77	65	0.67	0.47	21
November	1010.7	1007.4	81.5	84.4	73.5	72.3	87.3	15	66.0	2	86.0	72.8	79.4	13.2	77	67	0.59	0.23	16
December	1008.9	1005.8	82.5	84.4	74.7	73.4	89.4	18	69.2	17	87.2	75.9	81.5	11.2	77	70	1.62	0.98	23
Year	1012.3	1009.4	77.9	83.9	72.7	72.0	92.0	April 2,7	61.5	Aug. 21	85.8	71.4	76.6	14.4	84	68	21.78	1.60	May 11

Month	Prevailing Wind Direction (2)		Mean Wind Speed		Cloud Amount (eighths) and Frequency of Total Cloud														Frequency of Visibility (3)						No. of days of	
					Total		Low		0830					1430					0830			1430			Rain (4)	Thunder
	0830	1430	0830	1430	0830	1430	0830	1430	0	1-2	3-5	6-7	8	0	1-2	3-5	6-7	8	Fog	Mist or Haze	Good	Fog	Mist or Haze	Good		
			knots	knots																						
January	NE/N	NE/N	7	12	5.2	3.7	3.6	2.5	0	1	16	11	3	0	11	14	3	3	0	0	31	0	0	31	4	2
February	N/NE	NE	6	8	5.5	4.6	3.6	2.3	0	0	15	9	4	0	8	13	4	5	0	0	28	0	0	28	7	3
March	NE	NE	4	10	3.9	4.0	2.9	2.7	0	12	8	9	2	0	8	16	5	2	0	0	31	0	0	31	9	2
April	SE	SE	3	6	4.8	6.2	2.2	4.2	0	8	7	8	7	0	1	8	7	14	0	1	29	0	0	30	17	5
May	SE	SE	4	5	3.9	4.6	2.2	3.2	0	12	7	8	4	0	7	12	9	3	0	2	29	0	1	30	14	0
June	SE	SE	4	7	3.6	4.2	1.6	2.4	0	15	5	8	2	0	7	13	7	3	0	1	29	0	0	30	5	0
July	SE	SE/S	10	8	5.6	5.8	3.5	3.7	1	2	8	12	8	0	2	9	11	9	0	0	31	0	1	30	9	0
August	SE	SE	8	8	3.7	5.3	2.8	4.1	0	11	12	6	2	0	0	18	13	0	0	0	31	0	0	31	4	0
September	SE	E/SE	3	7	3.7	4.3	3.2	4.1	0	12	11	5	2	0	8	13	5	4	0	0	30	0	0	30	9	0
October	NE	NE/E	3	11	4.4	3.6	4.0	2.8	0	3	20	6	2	0	8	17	4	2	0	0	31	0	0	31	5	0
November	NE	NE	6	12	5.3	2.3	5.1	1.6	0	1	16	12	1	0	19	11	0	0	0	0	30	0	0	30	5	0
December	NE/N	NE	8	11	5.1	4.2	4.5	3.0	0	2	18	8	3	0	8	12	5	6	0	0	31	0	0	31	11	2
Year	NE/SE	NE/SE	5	9	4.5	4.4	3.3	3.1	1	79	143	102	48	0	85	156	73	51	0	4	361	0	2	363	98	14

Notes:
(1) Pressure is given at Station Level.
(2) Two wind directions separated by a solidus (/) mean that there were these two predominant directions; two directions separated by a hyphen (-) mean that the wind was from between these two directions.
(3) The following definitions are used in this table: Fog = Visibility less than 1100 yards; Mist or Haze = Visibility 1100 yards to 6½ miles; Good = Visibility 12 miles or over.
(4) A day of rain is one on which 0.01 inch or more of rain falls.

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT DODOMA METEOROLOGICAL STATION, IN 1949.

Latitude 6°10'S Longitude 35°46'E Altitude 3675 feet. Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature				Extremes of Temperature							Relative Humidity		Rainfall		
			Dry Bulb		Dew Point													
	0830	1430	0830	1430	0830	1430	Max.	Date	Min.	Date	Mean Max.	Mean Min.	Max. - Min. Mean Range	0830	1430	Total	Max. Fall in 24 hrs.	Date
	mb.	mb.	°F	°F	°F	°F	°F		°F		°F	°F	°F	%	%	ins.	ins.	
January	890.6	887.4	68.7	82.5	62.9	60.4	92.3	28	61.7	18	85.4	64.3	74.9	21.0	82	48	4.54	1.43	2
February	889.9	887.4	67.4	80.1	63.8	63.1	89.5	28	61.1	13	83.8	63.9	73.9	19.9	86	57	5.88	1.30	19
March	889.1	886.4	69.8	84.4	63.7	61.6	91.0	5	59.0	8	87.1	64.4	75.7	22.7	83	47	3.16	2.08	* 7
April	891.1	888.1	69.5	84.0	63.1	61.1	90.6	2	60.0	20	87.5	64.5	76.0	23.0	81	46	0.94	0.62	5
May	891.8	889.1	68.1	83.8	60.1	56.0	90.0	1	50.5	28	86.3	61.2	73.7	25.1	76	39	0.00	0.00	0
June	893.6	890.9	64.3	80.3	55.5	52.1	85.6	1	53.3	27	82.5	56.6	69.5	25.9	73	38	0.00	0.00	0
July	893.4	891.0	63.1	79.1	55.4	52.4	88.0	29	53.6	18	81.9	57.7	69.8	24.3	76	40	0.00	0.00	0
August	892.9	890.8	62.8	80.7	54.9	51.6	91.1	25	52.2	13	83.2	56.8	70.0	26.5	75	37	0.00	0.00	0
September	893.1	889.6	65.9	83.4	54.7	50.7	94.6	30	55.7	9	86.2	58.8	72.5	27.4	68	32	0.00	0.00	0
October	892.3	888.4	68.3	85.5	56.3	50.6	92.2	31	55.4	28	87.5	60.3	73.9	27.3	66	36	0.00	0.00	0
November	890.5	885.4	72.0	89.9	59.1	51.0	94.0	21	61.3	1	91.7	64.2	77.9	27.5	64	27	0.00	0.00	0
December	889.6	885.4	72.0	87.3	63.8	59.4	94.5	9	58.0	24	89.8	65.9	77.9	23.9	76	39	5.41	2.35	30
Year	891.4	888.3	67.6	84.3	59.4	55.8	94.5	Dec. 9	50.5	May 28	86.1	61.5	73.8	24.5	76	40	19.73	2.35	Dec. 30

Month	Prevailing Wind Direction (2)		Mean Wind Speed		Cloud Amount (eighths) and Frequency of Total Cloud														Frequency of Visibility (3)						No. of days of	
					Total		Low		0830					1430					0830			1430			Rain (4)	Thunder
	0830	1430	0830	1430	0830	1430	0830	1430	0	1-2	3-5	6-7	8	0	1-2	3-5	6-7	8	Fog	Mist or Haze	Good	Fog	Mist or Haze	Good		
			knots	knots																						
January	E	ENE/E	8	6	3.9	4.5	3.2	4.2	0	13	8	5	5	0	10	7	9	5	0	1	30	0	0	31	11	7
February	E	NE-ENE	5	6	5.4	5.4	4.5	4.6	0	8	1	6	13	0	5	5	11	7	0	1	27	0	0	28	12	12
March	E	E	8	8	3.8	4.3	3.3	3.3	0	15	3	8	5	0	4	21	3	3	0	0	31	0	0	31	7	9
April	SE	E	8	9	5.7	6.0	5.2	5.9	0	4	5	17	4	0	0	9	17	4	0	0	30	0	0	30	7	5
May	E/SE	E	10	9	4.0	4.2	3.8	3.9	0	11	7	10	3	0	7	15	9	0	0	0	31	0	0	31	0	0
June	SE	E	9	9	1.9	3.7	1.6	3.3	2	20	5	3	0	0	10	14	6	0	0	0	30	0	0	30	0	0
July	E/SE	E	12	10	3.0	4.1	1.9	3.5	2	15	8	5	1	0	9	14	7	1	0	0	31	0	0	31	0	0
August	E/SE	E	15	15	2.6	2.8	1.6	2.3	4	15	6	4	2	5	14	4	8	0	0	0	31	0	0	31	0	0
September	E/SE	E	14	14	2.3	1.9	1.2	1.5	5	16	4	3	2	4	16	8	1	1	0	0	30	0	0	30	0	0
October	E	E	17	16	3.5	3.7	1.1	1.4	1	14	7	5	4	1	10	12	4	4	0	0	31	0	0	31	0	0
November	E	E	18	13	2.8	3.7	0.8	2.2	0	15	11	3	1	0	7	18	3	2	0	0	30	0	0	30	0	0
December	E	E	10	10	4.3	5.0	1.8	3.9	0	11	7	4	9	0	3	17	10	1	0	0	31	0	0	31	6	7
Year	E	E/SE	11	10	3.6	4.1	2.5	3.3	14	157	72	73	49	10	95	144	88	28	0	2	363	0	0	365	43	40

Notes: (1) Pressure is given at Station Level.
(2) Two wind directions separated by a solidus (/) mean that there were these two predominant directions: two directions separated by a hyphen (-) mean that the wind was from between these two directions.
(3) The following definitions are used in this table: Fog = Visibility less than 1100 yards: Mist or Haze = Visibility 1100 yards to 6½ miles: Good = Visibility 12 miles or over.
(4) A day of rain is one on which 0.01 inch or more of rain falls.

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT IRINGA 2ND ORDER STATION, IN • 1949.

Latitude 7°47'S Longitude 35°42'E Altitude 5330 feet. Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature				Extremes of Temperature								Relative Humidity		Rainfall		
			Dry Bulb		Dew Point						Mean	Mean	Max. + Min.	Mean				Max. Fall	
	0830	1430	0830	1430	0830	1430	Max.	Date	Min.	Date	Max.	Min.	2	Range	0830	1430	Total	in 24 hrs.	Date
	mb.	mb.	°F	°F	°F	°F	°F		°F		°F	°F	°F	°F	%	%	ins.	ins.	
January	-	-	65.2	74.3	62.6	68.7	82.9	24	54.8	14,15	77.0	58.3	67.7	18.7	91	83	4.62	1.13	2
February	-	-	63.0	71.9	59.5	61.4	81.9	15,28	54.4	28	76.5	57.7	67.1	18.8	88	78	4.43	1.70	19
March	-	-	64.8	74.5	58.9	58.7	82.1	2	54.2	8,16	78.0	58.1	68.1	19.9	81	58	2.65	1.43	5
April	-	-	64.5	74.9	57.8	58.8	84.0	29	54.0	28	77.5	59.0	68.3	18.5	79	57	1.44	0.66	3
May	-	-	62.4	72.6	56.3	55.5	81.0	14	50.4	30	77.1	56.4	66.7	20.7	86	55	0.26	0.25	9
June	-	-	57.9	70.5	49.5	49.5	77.0	2,7	48.5	6	73.3	54.1	63.7	19.3	74	47	0.00	0.00	0
July	-	-	57.1	70.3	49.1	49.9	80.0	10	48.2	27	71.9	52.5	62.2	19.4	75	49	0.00	0.00	0
August	-	-	56.7	71.4	48.9	50.0	83.0	23,24	47.5	22	75.8	52.0	63.9	23.8	75	47	0.00	0.00	0
September	-	-	61.5	75.4	49.0	47.4	83.0	15	50.0	4	77.0	53.8	65.4	23.2	64	38	0.00	0.00	0
October	-	-	64.7	78.7	52.1	56.3	83.4	7	52.7	9	79.5	55.4	67.5	24.1	77	50	0.12	0.12	12
November	-	-	69.6	81.4	52.2	47.4	87.0	28	55.0	19	83.5	57.9	70.7	25.5	54	31	0.05	0.05	28
December	-	-	66.8	77.9	56.4	52.8	85.5	4	53.5	19	81.4	58.0	69.7	23.4	76	42	2.26	0.91	23
Year	-	-	62.9	74.3	54.8	54.7	87.0	Nov. 28	47.5	Aug. 22	77.4	56.1	66.7	21.3	76	52	15.77	1.70	Feb. 19

Month	Prevailing Wind Direction (2)		Mean Wind Speed		Cloud Amount (eighths) and Frequency of Total Cloud													Frequency of Visibility (3)						No.of days of	
					Total		Low		0830					1430				0830			1430			Rain (4)	Thunder
	0830	1430	0830	1430	0830	1430	0830	1430	0	1-2	3-5	6-7	8	0	1-2	3-5	6-7	8	Fog	Mist or Haze	Good	Fog	Mist or Haze	Good		
			knots	knots																						
January	SE	SE	1	1	5.0	6.4	4.3	5.4	2	5	10	3	11	0	0	7	15	9	0	0	31	0	0	31	15	0
February	SE	NW	1	2	5.5	6.3	4.4	5.8	0	3	10	8	7	0	0	5	16	5	0	0	28	0	0	28	11	1
March	SE	SE	1	2	3.6	5.6	2.9	4.6	1	10	12	7	1	0	0	10	21	0	0	0	31	0	0	31	11	0
April	SE	SE	4	2	4.6	5.6	3.5	3.7	0	4	13	13	0	0	0	14	16	0	0	0	30	0	0	30	6	0
May	SE	SE	4	2	3.2	4.9	2.7	3.7	1	13	13	3	1	0	1	22	8	0	0	0	31	0	0	31	2	0
June	NW	SW	7	3	2.6	3.7	1.7	2.9	3	19	8	0	0	0	2	28	0	0	0	0	30	0	0	30	0	0
July	SE/SE	SE	7	4	2.5	3.9	2.2	3.1	0	17	14	0	0	0	1	28	2	0	0	0	31	0	0	31	0	0
August	SE	SE	5	1	2.9	3.6	2.3	2.7	0	6	22	1	0	0	2	29	0	0	0	0	31	0	0	31	0	0
September	SE	SE	3	2	2.7	3.4	2.2	2.5	0	14	15	1	0	0	5	25	0	0	0	0	30	0	0	30	0	0
October	SE	SE	3	2	3.3	4.5	2.4	3.8	0	9	19	2	0	0	1	22	8	0	0	0	31	0	0	31	1	0
November	SE	SE	1	1	2.5	4.2	2.2	3.4	0	15	15	0	0	0	1	26	3	0	0	0	30	0	0	30	1	0
December	SE/SE	SE	1	2	3.6	5.3	3.2	4.5	0	9	17	2	3	0	1	14	15	1	0	0	31	0	0	31	6	0
Year	SE	SE	3	2	3.5	4.8	2.8	3.7	7	126	168	48	23	0	14	230	106	15	0	0	365	0	0	365	53	1

Notes: (1) Pressure is given at Station Level.

(2) Two wind directions separated by a solidus (/) mean that there were those two predominant directions: two directions separated by a hyphen (-) mean that the wind was from between those two directions.

(3) The following definitions are used in this table: Fog = Visibility less than 1100 yards: Mist or Haze = Visibility 1100 yards to 6⅝ miles: Good = Visibility 12 miles or over.

(4) A day of rain is one on which 0.01 inch or more of rain falls.

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT KIGOMA METEOROLOGICAL STATION, IN 1949.

Latitude 4°53'S. Longitude 29°38'E Altitude 2903 feet. Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature: Dry Bulb		Temperature: Dew Point		Extremes of Temperature				Mean Max.	Mean Min.	Max. + Min. 2	Mean Range	Relative Humidity		Rainfall	
	0830	1430	0830	1430	0830	1430	Max.	Date	Min.	Date					0830	1430	Total	Max. Fall in 24 hrs. Date
	mb.	mb.	°F	°F	°F	°F	°F		°F		°F	°F	°F	°F	%	%	ins.	ins.
January	913.1	911.6	71.7	78.0	65.7	68.4	89.1	17	64.5	31	81.9	67.8	74.9	14.1	81	72	2.24	0.64 31
February	913.6	911.7	70.3	77.8	65.0	67.6	83.8	7	62.2	23	80.5	65.9	73.2	14.6	84	71	5.00	1.53 11
March	912.4	910.5	70.6	79.8	66.2	68.7	87.3	24	63.3	18	81.9	66.3	74.1	15.7	86	69	7.15	1.92 28
April	914.5	912.7	70.3	77.8	65.8	69.2	85.2	9	63.1	26	80.6	66.8	73.7	13.8	86	75	7.88	1.43 24
May	914.2	913.1	69.5	79.5	64.3	65.3	85.8	6,21	61.7	29	82.2	65.8	74.0	16.4	84	62	1.91	0.81 4
June	915.7	914.3	66.9	79.5	59.6	64.5	87.1	17	60.2	11,15	82.6	63.2	72.9	19.4	78	58	0.67	0.25 6
July	915.4	913.8	67.1	80.8	57.5	60.0	86.4	13	59.8	26	83.1	62.9	73.0	20.2	72	50	0.00	0.00 0
August	914.2	912.5	70.0	82.8	54.6	60.7	88.9	19	61.2	15	85.1	65.8	75.5	19.3	58	47	0.00	0.00 0
September	914.6	912.2	73.1	83.3	56.5	62.0	89.1	18	63.9	25	86.4	67.7	77.1	18.7	56	49	0.01	0.01 6
October	914.3	911.6	72.7	80.4	61.8	65.6	89.6	27	63.5	8	84.0	68.4	76.2	15.6	69	61	6.31	3.27 7
November	913.6	910.8	73.4	79.7	66.7	68.7	86.9	16,17	64.6	10	80.4	68.3	74.3	12.1	80	69	2.99	0.57 27
December	912.9	910.9	69.9	76.0	65.4	67.7	83.5	9	62.6	1	78.8	66.5	72.7	12.4	88	76	5.08	1.13 31
Year	914.0	912.1	70.5	79.6	62.5	65.4	89.6	Oct. 27	59.8	July 26	82.3	66.3	74.3	16.0	77	63	38.64	3.27 °ct. 7

Month	Prevailing Wind Direction (2)		Mean Wind Speed		Cloud Amount (eighths) and Frequency of Total Cloud: Total		Low		0830					1430					Frequency of Visibility (3): 0830			1430			No. of days of	
	0830	1430	0830	1430	0830	1430	0830	1430	0	1-2	3-5	6-7	8	0	1-2	3-5	6-7	0	Fog	Mist or Haze	Good	Fog	Mist or Haze	Good	Rain (4)	Thunder
			knots	knots																						
January	SE	W	7	10	6.3	6.3	4.1	3.7	0	2	7	9	13	0	3	5	8	15	0	0	31	0	1	30	11	19
February	SE	W/NW	7	9	6.6	5.9	4.7	3.8	0	2	5	3	18	0	1	7	11	9	0	1	27	0	0	28	13	19
March	SE	NW	6	9	7.5	6.2	5.8	3.4	0	0	3	3	25	0	2	6	11	12	0	0	1	0	0	30	17	18
April	E/SE	NW	7	10	6.9	6.4	4.8	3.6	0	2	1	5	22	0	0	6	10	14	0	3	27	0	1	29	18	20
May	SE	SSW-NW	8	9	5.5	4.6	3.2	2.7	0	7	3	7	14	0	7	8	12	4	0	3	28	0	2	29	10	12
June	SE	SW	9	11	4.6	2.9	2.6	0.6	0	11	4	4	11	1	18	3	1	7	0	0	30	0	0	30	2	3
July	SE	W	9	11	3.9	2.5	1.5	0.7	0	13	6	4	8	6	15	6	3	1	0	0	31	0	0	31	0	1
August	SE	W	10	13	3.7	2.1	1.4	0.8	5	9	5	4	8	5	16	6	3	1	0	16	15	0	17	14	0	0
September	SE	W	11	14	4.7	3.3	3.1	1.4	1	8	5	5	10	0	17	4	2	7	0	2	28	0	3	27	1	0
October	SE	W	8	12	6.5	5.5	3.0	2.2	0	1	4	9	17	0	7	2	10	12	0	1	30	0	0	31	4	9
November	SE	SSW-NW	7	11	6.9	6.3	4.5	2.5	0	1	1	2	26	0	3	4	6	17	0	0	30	0	0	30	12	19
December	SE	S-NW	7	10	6.7	6.1	4.4	3.7	0	3	1	5	22	0	1	9	4	17	0	1	30	0	0	31	18	25
Year	SE	S/NW	8	11	5.8	4.8	3.6	2.4	6	59	45	61	194	12	90	66	81	116	0	28	337	0	24	341	106	145

Notes: (1) Pressure is given at Station Level.
(2) Two wind directions separated by a solidus (/) mean that there were these two predominant directions: two directions separated by a hyphen (-) mean that the wind was from between these two points.
(3) The following definitions are used in this table: Fog = Visibility less than 1100 yards: Mist or Haze = Visibility 1100 yards to 6½ miles: Good = Visibility 12 miles or over.
(4) A day of rain is one on which 0.01 inch or more of rain falls.

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT KILWA 2ND ORDER STATION, IN 1949.

Latitude 8°45'S Longitude 39°25'E Altitude 30 feet. Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature				Extremes of Temperature							Relative Humidity		Rainfall		
			Dry Bulb		Dew Point													
	0830	1430	0830	1430	0830	1430	Max.	Date	Min.	Date	Mean Max.	Mean Min.	Max. + Min. 2	Mean Range	0830	1430	Total	Max. Fall in 24 hrs.	Date
	mb.	mb.	°F	°F	°F	°F	°F		°F		°F	°F	°F	°F	%	%	ins.	ins.	
January	-	-	81.8	84.9	76.4	76.3	-	-	70.2	29	-	74.3	-	-	86	76	4.34	1.77	3
February	-	-	79.7	84.7	76.0	77.0	-	-	72.5	7,16	-	74.9	-	-	88	78	6.88	1.52	25
March	-	-	81.8	85.7	75.7	75.5	-	-	70.7	12	-	74.1	-	-	82	72	3.83	0.96	6
April	-	-	81.6	85.4	75.2	75.9	-	-	69.8	20,25	-	73.9	-	-	81	74	3.36	1.15	24
May	-	-	79.5	83.1	73.1	75.3	88.2	22	66.9	29	85.8	73.4	79.6	12.4	81	77	3.16	1.38	5
June	-	-	79.3	82.4	73.8	76.5	89.8	3	65.8	6	85.4	70.4	77.9	15.0	84	83	0.00	0.00	0
July	-	-	75.1	80.3	70.4	73.6	89.1	-	66.6	14	83.7	69.8	76.7	13.7	86	79	0.68	0.43	9
August	-	-	77.1	80.8	72.5	74.5	85.1	14,21	68.0	5,31	83.5	70.6	77.1	12.9	86	81	0.03	0.03	25
September	-	-	77.9	82.8	-	-	87.0	23	67.6	27	85.0	71.7	78.3	13.2	-	-	0.54	0.25	5
October	-	-	81.3	83.3	-	-	88.5	5	71.6	11	86.2	75.0	80.6	11.2	-	-	1.24	1.00	10
November	-	-	83.4	86.2	-	-	90.0	21,22	73.9	2	88.5	77.4	82.9	11.0	-	-	0.14	0.14	12
December	-	-	82.5	85.2	-	-	91.1	16	72.5	25	88.3	77.8	83.1	10.8	-	-	3.69	1.31	21
Year	-	-	80.0	83.7	-	-	-	-	65.8	June 6	-	73.6	-	-	-	-	27.89	1.77	Jan. 3

Month	Prevailing Wind Direction (2)		Mean Wind Speed		Cloud Amount (eighths) and Frequency of Total Cloud														Frequency of Visibility (3)						No. of days of	
					Total		Low		0830					1430					0830			1430			Rain (4)	Thunder
	0830	1430	0830	1430	0830	1430	0830	1430	0	1-2	3-5	6-7	8	0	1-2	3-5	6-7	8	Fog	Mist or Haze	Good	Fog	Mist or Haze	Good		
			knots	knots																						
January	E/N	E	5	5	4.5	3.7	4.4	2.8	0	0	13	5	1	0	7	10	1	1	0	9	10	0	4	15	8	0
February	N	N/NW	6	6	6.7	5.7	5.7	4.8	0	0	7	12	9	0	1	9	14	4	0	19	9	0	10	18	12	4
March	NW	E	7	9	6.2	5.3	5.2	4.5	0	0	10	13	8	0	2	12	15	2	0	12	19	0	7	24	10	0
April	E	E	9	11	5.9	5.2	5.0	4.3	0	1	10	14	5	0	0	18	8	4	0	8	22	0	4	26	7	0
May	E	E	11	12	4.9	4.2	4.2	3.3	1	5	11	10	4	1	5	17	6	2	0	11	20	0	2	29	6	0
June	ENE	E/ESE	14	17	3.8	3.5	3.8	3.0	5	4	17	3	1	0	12	12	6	0	0	0	30	0	0	30	9	0
July	E	E	3	3	2.3	2.1	1.7	1.5	4	17	7	3	0	8	12	8	3	0	0	2	29	0	2	29	3	0
August	E	E	10	13	4.4	3.9	3.3	2.3	1	5	13	11	1	0	13	15	1	2	0	0	31	0	0	31	1	0
September	E	E	10	14	5.8	3.7	4.7	2.6	0	1	6	17	3	0	5	19	4	0	0	0	29	0	0	28	3	0
October	E	E	14	15	5.4	4.6	4.3	3.6	0	0	16	11	2	0	3	19	7	2	0	0	31	0	0	31	3	0
November	E/N	NE	13	13	6.4	4.5	5.4	3.5	0	0	4	25	1	0	1	21	7	1	0	0	30	0	0	30	1	0
December	E	NE	10	13	7.1	5.7	5.7	4.7	0	0	9	9	0	1	13	9	8	0	0	5	26	0	3	28	10	0
Year	E	E	9	11	5.2	4.3	4.4	3.4	11	33	121	143	44	9	62	173	81	26	0	66	286	0	32	319	64	4

Notes: (1) Pressure is given at Station Level.
(2) Two wind directions separated by a solidus (/) mean that there were these two predominant directions: two directions separated by a hyphen (-) mean that the wind was from between these two directions.
(3) The following definitions are used in this table: Fog = Visibility less than 1100 yards: Mist or Haze = Visibility 1100 yards to 6½ miles: Good = Visibility 12 miles or over.
(4) A day of rain is one on which 0.01 inch or more of rain falls.

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT KONGOA 2ND ORDER STATION, IN 1949.

Latitude 4° 56'S Longitude 35° 47'E Altitude 4547 feet. Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature				Extremes of Temperature						Relative Humidity		Rainfall		
			Dry Bulb		Dew Point												
	0830	1430	0830	1430	0830	1430	Max.	Date	Min.	Date	Mean Max.	Mean Min.	Max. - Min. 2	Mean Range	0830	1430	Total	Max. Fall in 24 hrs.	Date
	mb.	mb.	°F	°F	°F	°F	°F		°F		°F	°F	°F	°F	%	%	ins.	ins.	
January	863.7	860.3	66.3	82.6	61.3	62.0	92.1	27	59.4	12	84.6	62.8	73.7	21.8	78	47	3.52	1.10	2,30
February	862.9	860.2	66.1	80.5	62.5	62.4	88.2	6	57.2	6	83.0	62.1	72.5	20.7	88	54	4.23	1.42	9
March	862.6	859.2	66.6	86.4	62.7	60.8	92.7	12	59.9	11	87.8	64.1	75.9	23.6	82	41	0.73	0.66	6
April	864.3	861.6	67.6	79.9	61.5	61.8	86.7	3	60.8	20	81.8	63.5	72.7	18.3	81	55	3.86	1.55	15
May	865.0	862.8	65.0	80.1	57.2	56.1	84.9	18	48.2	28	82.2	60.2	71.2	22.1	76	44	0.02	0.02	18
June	866.4	863.9	61.1	77.7	54.5	54.2	83.5	1	50.9	24	79.4	55.6	67.5	23.8	79	45	0.00	0.00	0
July	866.2	864.2	60.2	75.4	53.2	51.8	82.4	7	49.1	18	78.1	55.1	66.6	23.0	78	44	0.00	0.00	0
August	865.8	862.9	61.1	76.1	55.0	56.5	85.3	22	50.9	18	79.4	55.2	67.3	24.2	80	47	0.00	0.00	0
September	865.0	862.4	63.0	81.9	53.8	52.6	89.2	30	50.3	28	83.5	56.7	70.1	26.9	72	37	0.00	0.00	0
October	863.4	860.0	64.7	83.8	56.0	54.4	87.8	31	55.4	20	84.3	59.5	71.9	24.9	74	37	0.00	0.00	0
November	863.4	860.5	68.2	86.6	57.6	50.7	93.2	25	59.0	1,15	88.2	62.5	75.3	25.6	69	29	0.00	0.00	0
December	862.5	859.5	67.3	83.2	59.5	57.2	90.0	1	58.5	17	85.1	63.5	74.3	21.6	76	41	5.37	1.50	21
								Nov.		May									April
Year	864.5	861.7	65.1	81.3	57.9	56.5	93.2	25	48.2	28	83.1	60.1	71.6	23.0	78	43	17.73	1.55	15

Month	Prevailing Wind Direction (2)		Mean Wind Speed		Cloud Amount (eighths) and Frequency of Total Cloud													Frequency of Visibility (3)						No.of days of	
					Total		Low		0830					1430				0830			1430			Rain (4)	Thunder
	0830	1430	0830	1430	0830	1430	0830	1430	0	1-2	3-5	6-7	8	0	1-2	3-5	6-7	8	Fog	Mist or Haze	Good	Fog	Mist or Haze	Good		
			knots	knots																						
January	NE	NE	10	12	4.4	4.8	2.0	2.6	0	12	8	4	7	0	6	11	5	7	0	0	31	0	0	29	8	4
February	NE	NE	5	9	5.3	5.4	4.1	4.3	1	6	5	7	9	6	1	10	12	5	1	0	27	0	0	28	10	10
March	NE	NE	10	8	5.2	5.0	4.3	3.8	3	3	7	11	7	0	3	13	14	1	0	3	28	0	0	31	3	1
April	NE	NE/SW	6	7	6.6	6.4	5.7	5.5	0	0	4	16	10	0	0	6	21	3	0	0	30	0	0	30	11	0
May	NE	NE	9	9	6.5	5.3	5.8	4.1	0	2	3	14	12	0	2	12	13	3	0	0	31	0	0	30	1	0
June	NE	NE	9	6	4.6	5.2	3.3	3.4	5	3	9	7	6	0	3	10	15	2	0	0	30	0	0	30	0	0
July	NE	NE	9	8	4.8	5.1	3.6	4.0	2	4	10	9	6	0	4	12	13	2	0	0	31	0	0	31	0	0
August	NE	NE	15	14	3.6	2.5	2.3	1.5	0	13	9	6	3	2	19	4	2	3	0	0	31	0	0	30	0	0
September	NE	NE	14	16	3.2	3.9	2.5	3.1	3	14	3	9	1	0	12	7	10	1	0	0	30	0	0	30	0	0
October	NE	NE	15	10	4.3	4.6	3.1	2.8	1	10	6	9	4	0	7	9	12	3	0	0	30	0	0	31	0	0
November	NE	NE	19	14	4.0	5.2	1.8	3.5	4	5	9	9	3	0	4	10	14	2	0	0	30	0	0	30	0	0
December	NE	NE	10	12	5.4	5.9	3.8	4.7	2	3	7	11	8	0	2	7	19	3	0	2	29	0	0	31	15	3
Year	NE	NE	11	10	4.8	4.9	3.5	3.7	21	75	80	112	76	2	88	111	150	35	1	5	358	0	0	361	48	18

Notes: (1) Pressure is given at Station Level.
(2) Two wind directions separated by a solious (/) mean that there were these two predominant directions; two directions separated by a hyphen (-) mean that the wind was from between these two directions.
(3) The following definitions are used in this table: Fog = Visibility less than 1100 yards; Mist or Haze = Visibility 1100 yards to 6½ miles; Good = Visibility 12 miles or over.
(4) A day of rain is one on which 0.01 inch or more of rain fell.

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT LINDI METEOROLOGICAL STATION, IN 1949.

Latitude 10°00'S Longitude 39°42'E Altitude 127 feet. Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature				Extremes of Temperature							Relative Humidity		Rainfall		
			Dry Bulb		Dew Point													
	0830	1430	0830	1430	0830	1430	Max.	Date	Min.	Date	Mean Max.	Mean Min.	Max. + Min. 2	Mean Range	0830	1430	Total	Max. Fall in 24 hrs.	Date
	mb.	mb.	°F	°F	°F	°F	°F		°F		°F	°F	°F	°F	%	%	ins.	ins.	
January	1008.3	1005.7	78.4	83.7	74.6	74.9	90.0	20,27,28	71.2	18	86.8	73.9	80.3	12.9	88	75	6.84	1.49	27
February	1007.1	1004.4	77.1	84.7	73.4	74.9	91.0	23	69.8	5	87.3	73.5	80.4	13.9	88	73	7.26	1.45	4
March	1007.3	1004.5	77.7	85.9	74.3	74.9	91.2	28,29	70.2	24	88.7	73.9	81.3	14.8	89	70	4.17	1.53	29
April	1009.6	1006.7	76.4	84.5	73.4	76.3	93.0	2	69.4	17	88.0	72.9	80.5	15.2	90	76	4.76	1.73	4
May	1011.8	1008.4	74.4	84.9	70.8	74.0	90.6	13,15	63.3	31	87.9	70.5	79.2	17.4	89	70	1.81	0.71	7
June	1013.9	1010.9	71.9	83.1	67.7	70.6	88.2	12,24,26	58.0	5	88.1	67.1	77.6	21.0	87	62	0.00	0.00	0
July	1014.1	1011.4	71.5	83.1	67.7	72.1	89.8	5	64.0	31	86.5	67.5	77.0	19.0	88	70	1.13	1.05	13
August	1013.5	1010.7	71.1	82.1	67.6	72.4	91.4	28	62.8	12	85.6	66.6	76.1	19.0	89	73	0.14	0.14	24
September	1013.5	1010.7	73.7	82.4	68.7	71.3	92.0	17	62.2	27	85.7	67.7	76.7	18.0	85	69	1.16	0.68	2
October	1012.5	1009.7	77.5	83.4	71.6	73.6	89.0	20	68.0	1	86.0	70.3	78.1	15.7	82	73	0.44	0.44	10
November	1009.6	1006.7	80.5	84.7	74.1	75.5	89.0	25,26	68.4	1	87.6	74.0	80.8	13.6	81	74	0.36	0.16	14
December	1007.8	1004.8	80.9	85.5	75.7	77.3	91.3	26	71.3	21	88.2	75.4	81.8	12.8	84	77	4.54	1.38	20
Year	1010.7	1007.9	75.9	84.2	71.6	74.0	93.0	April 2	58.0	June 5	87.2	71.1	79.1	16.1	87	72	32.61	1.73	April 4

Month	Prevailing Wind Direction (2)		Mean Wind Speed		Cloud Amount (eighths) and Frequency of Total Cloud														Frequency of Visibility (3)						No. of days of	
					Total		Low		0830					1430					0830			1430			Rain (4)	Thunder
	0830	1430	0830	1430	0830	1430	0830	1430	0	1-2	3-5	6-7	8	0	1-2	3-5	6-7	8	Fog	Mist or Haze	Good	Fog	Mist or Haze	Good		
			knots	knots																						
January	S-NW	NE	3	6	5.7	5.5	4.9	5.0	0	3	8	12	8	0	8	5	3	15	0	0	31	0	0	31	17	9
February	SW	NE	2	6	6.5	6.5	4.9	5.0	0	1	4	10	13	0	1	4	9	14	0	0	28	0	0	28	13	16
March	S/SW	NE	3	6	5.3	5.6	4.6	4.6	0	7	5	15	4	0	1	11	13	6	0	0	31	0	0	31	10	6
April	SW	NE	4	5	4.5	6.2	3.8	5.1	0	13	3	8	6	0	2	5	15	8	0	1	29	0	0	30	13	6
May	SW	SE	5	5	3.5	5.3	2.7	4.8	2	11	9	7	2	0	3	12	12	4	0	0	31	0	1	30	9	3
June	SW	SE	5	7	1.9	5.2	1.4	4.8	7	15	5	3	0	1	3	9	15	2	0	0	30	0	0	30	0	0
July	SW	NE	6	6	3.7	6.2	2.7	5.2	2	13	4	9	3	0	1	5	18	7	0	0	31	0	0	31	3	0
August	S/SW	NE	4	8	3.9	5.3	2.8	4.7	0	15	3	12	1	0	4	7	18	2	0	0	31	0	0	31	1	0
September	SW	NE	4	7	4.3	4.2	3.3	3.4	2	8	7	12	1	0	12	6	9	3	0	0	30	0	0	30	2	0
October	SW	NE	2	8	5.5	3.0	5.3	2.3	0	2	10	17	2	0	18	8	3	2	0	0	31	0	0	31	1	0
November	NE	NE	3	10	5.7	2.5	5.4	1.8	0	1	8	20	1	1	18	8	3	0	0	0	30	0	0	30	7	1
December	NE	NE	2	9	5.9	4.4	4.4	2.6	0	1	6	16	6	0	12	6	7	6	0	0	31	1	0	30	13	5
Year	SW	NE	3	7	4.7	5.0	3.9	4.1	13	90	74	141	47	2	83	86	125	69	0	1	364	1	1	363	89	46

Notes:
(1) Pressure is given at Station Level.
(2) Two wind directions separated by a solidus (/) mean that there were these two predominant directions: two directions separated by a hyphen (-) mean that the wind was from between these two directions.
(3) The following definitions are used in this table: Fog = Visibility less than 1100 yards: Mist or Haze = Visibility 1100 yards to 6½ miles: Good = Visibility 12 miles or over.
(4) A day of rain is one on which 0.01 inch or more of rain falls.

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT LOLLONDO, IN 1949.

Latitude 2°03'S Longitude 35°37'E Altitude 7000 feet. Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature				Extremes of Temperature				Mean Max.	Mean Min.	Max. + Min. 2	Mean Range	Relative Humidity		Rainfall		
			Dry Bulb		Dew Point														
	0830	1430	0830	1430	0830	1430	Max.	Date	Min.	Date					0830	1430	Total	Max. Fall in 24 hrs.	Date
	mb.	mb.	°F	°F	°F	°F	°F		°F		°F	°F	°F	°F	%	%	ins.	ins.	
January	-	-	60.8	71.1	52.5	54.0	79.0	23	47.8	30	73.3	51.4	62.3	21.9	74	55	1.20	0.40	30
February	-	-	62.1	70.7	56.4	-	75.5	23	47.0	18	72.9	51.6	62.3	21.3	82	-	2.26	0.79	9
March	-	-	63.0	74.7	54.1	52.6	79.5	11	47.0	12	76.5	51.8	64.1	24.8	73	46	0.28	0.16	7
April	-	-	60.1	68.9	-	-	79.0	9	50.0	3	71.2	55.2	63.3	16.0	-	-	6.54	0.93	17
May	-	-	57.4	67.3	53.5	53.5	71.0	8,18	46.0	30	68.0	53.0	60.5	15.0	87	61	1.07	0.35	25
June	-	-	54.6	66.2	50.3	51.6	74.0	5	46.0	14,15	67.6	50.0	58.8	17.6	86	59	0.49	0.36	5
July	-	-	54.6	66.8	51.1	51.6	70.2	8	45.0	13,28,31	68.4	48.2	58.3	20.2	88	58	0.21	0.16	11
August	-	-	56.2	68.6	48.8	48.3	77.0	24,25	44.0	12,14	71.4	47.3	59.3	24.1	77	49	0.63	0.54	23
September	-	-	56.1	70.0	49.6	46.1	79.0	29	45.0	24,26	73.1	48.5	60.8	24.6	79	43	0.00	0.00	0
October	-	-	58.3	71.4	50.2	45.0	76.0	often	45.0	20,21	74.1	50.1	62.1	23.9	74	39	0.03	0.02	2
November	-	-	61.0	72.6	51.5	47.8	81.0	11	48.0	16	75.3	51.2	63.3	24.1	71	42	0.14	0.05	26
December	-	-	59.1	69.7	52.3	50.0	78.0	7,8,10	48.0	27,28	73.7	51.5	62.6	22.3	78	50	6.27	1.50	18
Year	-	-	58.6	69.8	-	-	81.0	Nov. 11	44.0	Aug. 12,14	72.1	50.8	61.5	21.3	-	-	18.92	1.50	Dec. 18

Month	Prevailing Wind Direction (2)		Mean Wind Speed		Cloud Amount (eighths) and Frequency of Total Cloud															Frequency of Visibility (3)						No. of days of	
					Total		Low		0830					1430						0830			1430			Rain (4)	Thunder
	0830	1430	0830	1430	0830	1430	0830	1430	0	1-2	3-5	6-7	8	0	1-2	3-5	6-7	8	Fog	Mist or Haze	Good	Fog	Mist or Haze	Good		
			knots	knots																						
January	NE	NE	16	16	4.0	3.7	2.3	2.1	0	11	11	3	6	0	9	16	4	2	0	0	31	0	0	31	7	0
February	NE	NE	13	16	3.6	4.9	0.6	4.0	2	8	12	3	3	0	3	15	7	3	0	0	28	0	0	28	6	0
March	NE	NE	24	26	4.0	3.5	3.5	2.9	0	11	12	2	6	0	6	23	2	0	0	0	31	0	0	31	2	0
April	NE	NE	17	16	7.1	5.3	7.0	4.9	0	0	5	7	18	0	0	21	4	5	0	0	30	0	0	30	15	0
May	NE	NE/E	10	12	6.0	4.3	5.1	2.7	0	3	6	10	12	0	2	22	6	1	1	1	29	0	0	31	5	0
June	NE	NE	10	12	5.7	3.8	4.1	2.5	0	1	14	6	9	1	5	20	4	0	0	1	29	0	0	30	5	0
July	NE/E	NE	9	13	6.1	3.9	5.1	1.6	1	2	8	3	17	0	3	28	1	1	0	0	31	0	0	31	2	0
August	NE/E	NE/E	10	12	3.9	2.9	3.1	1.4	8	5	7	2	9	1	12	16	2	0	0	1	30	0	0	31	3	0
September	NE/E	NE/E	13	16	4.5	2.9	3.7	1.2	6	3	6	7	8	3	12	12	3	0	0	0	30	0	0	30	0	0
October	NE/E	NE/E	26	26	4.8	2.9	3.4	0.8	1	5	11	12	2	0	19	9	3	0	0	0	31	0	0	31	2	0
November	NE/E	NE/E	24	27	4.0	3.6	2.6	1.9	0	10	11	7	2	0	3	25	2	0	0	0	30	0	0	30	4	0
December	NE/E	NE/E	20	21	5.0	3.9	2.8	2.2	0	3	16	10	2	0	7	18	5	1	0	0	31	0	0	31	16	0
Year	NE/E	NE/E	16	18	4.9	3.8	3.6	2.3	18	62	119	72	94	5	81	223	43	13	1	1	3	361	0	0	365	67	0

Notes: (1) Pressure is given at Station Level.
(2) Two wind directions separated by a solidus (3) mean that there were these two predominant directions: two directions separated by a hyphen (-) mean that the wind was from between these two directions.
(3) The following definitions are used in this table: Fog = Visibility less than 1100 yards; Mist or Haze = Visibility 1100 yards to 6½ miles; Good = Visibility 12 miles or over.
(4) A day of rain is one on which 0.01 inch or more of rain falls.

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT LYAMUNGU, MOSHI, IN 1949.

Latitude 3°14'S Longitude 37°15'E Altitude 4100 feet. Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature				Extremes of Temperature							Relative Humidity		Rainfall		
			Dry Bulb		Dew Point												Max. Fall	
	0830	1430	0830	1430	0830	1430	Max.	Date	Min.	Date	Mean Max.	Mean Min.	Max. + Min. 2	Mean Range	0830	1430	Total	in 24 hrs.	Date
	mb.	mb.	°F	°F	°F	°F	°F		°F		°F	°F	°F	°F	%	%	ins.	ins.	
January	–	–	66.6	79.7	61.3	66.3	86.4	29	51.4	14	81.9	55.9	68.9	26.0	83	64	1.56	0.75	14
February	–	–	67.0	80.3	60.6	63.6	88.9	7	52.2	6	83.2	56.1	69.7	27.1	80	57	3.88	3.70	10
March	–	–	67.6	82.6	60.7	62.4	86.7	16	51.8	15	85.1	56.5	70.8	29.6	79	58	0.14	0.06	1
April	–	–	65.6	76.9	62.7	64.0	85.6	6,7	55.6	6	79.3	60.7	70.0	18.6	90	65	11.10	3.00	23
May	–	–	63.2	73.1	60.3	62.0	78.6	18	53.2	29	74.0	59.1	66.9	15.6	90	68	12.36	3.83	6
June	–	–	60.5	69.9	57.2	58.2	73.6	15,18	50.5	6	71.1	57.5	64.3	13.6	89	67	1.07	0.24	15
July	–	–	58.9	69.0	57.3[illegible]	58.1	75.2	18	53.4	31	70.3	56.5	63.4	13.8	94	69	2.11	0.33	23
August	–	–	59.2	70.1	[illegible]	56.7	77.0	18	48.2	22	72.8	54.8	63.4	17.2	91	63	1.09	0.42	7
September	–	–	61.4	75.1	[illegible]	56.1	82.8	18	49.6	24	76.9	54.8	65.9	22.1	85	52	0.34	0.15	25
October	–	–	63.6	78.8	58.9	56.1	84.0	12	48.2	1	80.2	54.9	67.5	25.2	82	47	0.06	0.77	28
November	–	–	67.9	81.4	59.5	58.4	88.2	25,26	51.8	16	84.6	55.4	69.7	28.6	75	46	0.23	0.11	6
December	–	–	67.9	76.8	64.4	60.7	86.9	29	55.4	16	81.5	58.2	69.8	23.3	80	58	1.59	0.69	6
								Feb.		Aug.								May
Year	–	–	64.1	76.1	59.3	60.2	88.9	7	48.2	22	78.3	56.7	67.5	21.7	85	59	36.33	3.83	6

Month	Prevailing Wind Direction		Mean Wind Speed		Cloud Amount (eighths) and Frequency of Total Cloud														Frequency of Visibility (3)						No. of days of	
					Total		Low		0830					1430					0830			1430			Rain (4)	Thunder
	0830	1430	0830	1430	0830	1430	0830	1430	0	1-2	3-5	6-7	8	0	1-2	3-5	6-7	8	Fog	Mist or Haze	Good	Fog	Mist or Haze	Good		
			knots	knots																						
January	SE	SE	2	4	2.7	5.2	2.3	4.7	4	18	2	6	1	0	2	11	16	2	0	0	31	0	0	31	7	0
February	E/SE	SE	1	6	2.3	5.1	1.5	4.3	2	19	3	2	2	0	2	10	15	1	0	0	28	0	0	28	5	0
March	SE	SE	1	5	3.4	5.2	3.1	5.0	6	9	5	10	1	0	2	12	17	0	0	0	31	0	0	31	4	0
April	SE	SE	3	5	7.0	5.6	6.8	5.2	0	2	3	4	21	0	1	12	17	0	5	1	24	0	0	30	23	4
May	SE	SE	3	7	7.2	5.1	7.2	4.7	0	2	1	5	23	0	1	16	12	2	2	5	24	0	0	31	18	1
June	SE	SE	3	5	6.9	5.1	6.9	4.8	1	3	0	5	21	0	3	12	10	5	0	1	29	0	0	30	12	0
July	SE	SE	3	6	7.8	5.8	7.8	5.5	0	0	0	4	27	0	1	12	11	7	4	3	24	0	0	31	19	0
August	SE	SE	2	6	7.1	5.3	7.1	5.0	1	2	0	5	23	0	5	11	6	9	1	6	24	0	0	31	12	0
September	SE	SE	3	5	5.2	4.6	3.0	3.9	1	8	4	4	13	0	6	11	12	1	1	1	28	0	0	29	8	0
October	SE	SE	3	8	6.2	4.3	6.0	3.8	0	5	3	10	13	0	6	17	6	2	0	1	30	0	0	31	4	0
November	SE/E	SE	3	9	4.1	5.0	3.8	4.8	4	9	5	6	6	0	2	15	10	3	0	0	30	0	0	30	4	1
December	SE	SE	2	5	5.1	6.4	4.5	5.9	1	6	7	11	6	0	2	3	19	7	0	0	31	0	0	31	15	6
Year	SE	SE	2	6	5.4	5.2	5.0	4.8	20	83	33	72	157	0	33	142	151	39	13	18	334	0	0	365	131	12

Notes:
(1) Pressure is given at Station Level.
(2) Two wind directions separated by a solidus (/) mean that there were these two predominant directions: two directions separated by a hyphen (-) mean that the wind was from between these two directions.
(3) The following definitions are used in this table: Fog = Visibility less than 1100 yards; Mist or Haze = Visibility 1100 yards to 6½ miles; Good = Visibility 12 miles or over.
(4) A day of rain is one on which 0.01 inch or more of rain falls.

Latitude 7°55'E Longitude 35°40'E Altitude 70 feet. Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature				Extremes of Temperature								Relative Humidity		Rainfall		
			Dry Bulb		Dew Point						Mean Max.	Mean Min.	Max. + Min. 2	Mean Range				Max. Fall in 24 hrs.	
	0830	1430	0830	1430	0830	1430	Max.	Date	Min.	Date					0830	1430	Total		Date
	mb.	mb.	°F	°F	°F	°F	°F		°F		°F	°F	°F	°F	%	%	ins.	ins.	
January	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.11	0.80	16
February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.99	3.48	18
March	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.73	1.60	22
April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23.06	7.43	23
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.58	0.79	4
June	-	-	77.1	86.1	69.3	69.1	83.9	1	68.9	23	81.3	73.2	77.3	8.2	77	69	0.03	0.54	22
July	-	-	76.1	79.1	68.8	68.5	82.8	21	68.8	27	80.1	72.8	76.1	8.1	78	70	1.62	0.61	3
August	-	-	76.2	80.3	68.3	67.3	85.2	19,22	67.4	21	82.2	78.5	76.3	11.6	77	65	0.42	0.30	29
September	-	-	77.5	81.8	68.3	66.9	86.5	14	67.3	30	83.9	78.1	77.8	13.8	74	61	0.58	0.44	25
October	-	-	80.8	83.4	69.3	67.8	88.0	23	69.3	18	85.6	71.7	78.7	13.9	78	60	0.37	0.27	27
November	-	-	82.8	84.9	72.7	73.8	90.0	17	69.9	2	86.6	72.9	79.7	13.7	74	68	1.81	1.57	12
December	-	-	82.2	83.8	74.8	74.7	89.2	12	71.8	13	86.4	74.5	80.4	11.9	79	74	11.02	2.09	2
Year	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55.24	7.43	April 23

Month	Prevailing Wind Direction (2)		Mean Wind Speed		Cloud Amount (eighths) and Frequency of Total Cloud															Frequency of Visibility (3)						No. of days of	
					Total		Low		0830					1430						0830			1430			Rain (4)	Thunder
	0830	1430	0830	1430	0830	1430	0830	1430	0	1-2	3-5	6-7	8	0	1-2	3-5	6-7	8	Fog	Mist or Haze	Good	Fog	Mist or Haze	Good		
			knots	knots																						
January	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-
March	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-
April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	-
June	S	S	8	10	4.4	4.4	3.8	3.8	1	5	11	12	1	1	7	18	12	0	0	0	30	0	0	30	18	0
July	S	S	6	8	5.0	4.5	4.3	3.3	0	3	12	15	1	0	10	8	13	0	0	0	31	0	0	31	6	1
August	E-S	SE/S	5	8	4.5	4.5	3.3	3.7	0	6	13	12	0	0	5	16	10	0	0	0	31	0	0	31	2	0
September	E/SE	E/SE	5	6	4.4	3.6	3.6	2.9	0	6	14	9	1	0	12	11	6	1	0	0	30	0	0	30	2	0
October	E	E	5	7	4.5	4.4	4.1	3.8	0	5	16	10	0	0	7	18	6	0	0	0	31	0	0	31	2	0
November	N	N	3	5	4.2	3.9	4.0	3.0	0	4	20	6	0	0	6	18	6	0	0	0	30	0	0	30	4	0
December	N	N	5	6	4.4	4.6	3.3	3.3	0	6	16	8	1	0	7	12	10	2	0	1	30	0	1	30	16	3
Year	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	98	-

Notes: (1) Pressure is given at Station Level.
(2) Two wind directions separated by a solidus (/) mean that there were these two predominant directions: two directions separated by a hyphen (-) mean that the wind was from between these two directions.
(3) The following definitions are used in this table: Fog = Visibility less than 1100 yards; Mist or Haze = Visibility 1100 yards to 6½ miles; Good = Visibility 12 miles or over.
(4) A day of rain is one on which 0.01 inch or more of rain falls.

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT MBEYA METEOROLOGICAL STATION, IN 1949.

Latitude 8°56'S Longitude 33°28'E Altitude 5696 feet. Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature				Extremes of Temperature							Relative Humidity		Rainfall		
			Dry Bulb		Dew Point													
	0830	1430	0830	1430	0830	1430	Max.	Date	Min.	Date	Mean Max.	Mean Min.	Max. + Min. 2	Mean Range	0830	1430	Total	Max. Fall in 24 hrs.	Date
	mb.	mb.	°F	°F	°F	°F	°F		°F		°F	°F	°F	°F	%	%	ins.	ins.	
January	828.7	827.0	64.0	73.5	57.0	57.0	84.0	23	50.2	3	76.7	56.9	66.8	19.8	76	56	4.52	1.08	9
February	828.8	827.1	61.9	69.2	57.3	59.0	77.9	5	53.0	16	73.5	57.2	65.3	16.3	84	71	7.03	1.16	5
March	828.0	826.7	64.1	70.3	57.6	60.4	79.0	1	53.8	10	75.1	56.8	65.9	18.2	80	71	2.69	0.69	21
April	829.9	828.5	63.0	71.5	57.0	60.0	79.0	28	51.9	4	75.0	55.5	65.3	19.5	81	67	1.77	0.82	7
May	830.3	828.2	61.3	70.3	53.9	57.1	77.9	1	45.8	31	72.9	53.4	63.1	19.4	77	63	1.76	0.46	11
June	831.6	830.2	57.0	66.6	48.9	51.3	75.4	12	44.0	29	70.1	48.1	59.1	22.1	74	54	0.00	0.00	0
July	831.3	829.9	55.6	65.5	47.1	49.5	77.6	10	41.9	31	70.9	47.7	59.3	23.2	73	49	0.00	0.00	0
August	830.3	828.5	57.3	74.9	47.5	48.5	82.7	23	40.5	1	76.2	47.9	62.1	28.3	70	41	0.00	0.00	0
September	830.8	828.7	62.2	75.6	47.0	49.7	82.7	30	46.9	13	77.6	51.0	64.4	26.8	58	46	0.00	0.00	0
October	830.1	827.8	63.9	77.0	51.0	51.9	84.9	7	46.2	20	80.1	54.0	67.1	26.1	63	42	0.46	0.32	15
November	828.9	826.5	68.4	79.5	52.5	51.2	87.6	26	55.2	22	83.5	57.4	70.5	26.1	57	38	0.83	0.61	30
December	828.4	825.9	65.0	72.8	55.7	55.6	84.7	1	54.0	7	77.8	57.5	67.7	20.3	72	55	5.84	1.36	24
Year	829.7	827.9	62.0	72.7	52.7	54.4	87.6	Nov. 26	40.5	Aug. 1	75.6	53.6	64.7	22.2	72	54	34.83	1.38	Dec. 24

Month	Prevailing Wind Direction (2)		Mean Wind Speed		Cloud Amount (eighths) and Frequency of Total Cloud														Frequency of Visibility (3)						No. of days of	
					Total		Low		0830					1430					0830			1430			Rain (4)	Thunder
	0830	1430	0830	1430	0830	1430	0830	1430	0	1-2	3-5	6-7	8	0	1-2	3-5	6-7	8	Fog	Mist or Haze	Good	Fog	Mist or Haze	Good		
			knots	knots																						
January	E	E	8	10	5.3	5.8	2.5	5.0	0	6	8	4	13	0	1	9	10	11	0	0	31	0	1	30	14	18
February	E	W	3	8	6.4	6.6	3.2	5.5	0	0	6	4	18	0	0	5	8	15	1	1	27	1	1	26	20	22
March	E	E	6	8	5.0	6.5	1.8	5.8	0	6	12	6	7	0	0	5	13	13	0	0	31	0	1	30	14	20
April	E	S	7	11	4.5	6.0	2.7	5.6	0	3	17	8	2	0	0	8	14	8	0	1	29	0	1	29	11	13
May	E/SE	S	8	11	3.3	5.1	2.0	4.5	0	12	15	3	1	0	2	14	14	1	0	0	31	0	0	31	8	7
June	SE	S	6	13	2.7	2.9	1.9	2.6	0	17	9	4	0	0	13	15	2	0	0	0	30	0	0	30	0	0
July	E	S	6	13	2.7	3.2	1.0	2.0	0	18	8	4	1	0	13	13	4	1	0	0	31	0	0	31	0	0
August	E	S	8	12	1.4	1.3	0.6	1.1	0	17	5	0	1	0	29	2	0	0	0	0	31	0	0	31	0	0
September	E	S	12	13	1.7	3.0	0.7	2.7	7	16	4	1	2	0	17	7	5	1	0	0	29	0	0	30	0	0
October	E	E/S	14	13	3.0	4.1	1.6	3.1	6	10	6	0	7	0	12	7	9	3	0	0	5	26	0	2	29	2	4
November	E	E/S	12	11	3.7	5.3	1.2	4.6	2	10	10	1	7	0	4	8	13	5	0	0	0	30	0	0	30	3	12
December	E	E/S	9	10	5.3	6.7	3.0	5.3	0	5	8	7	11	0	0	5	12	14	0	0	0	31	0	1	30	13	23
Year	E	E/S	8	11	3.7	4.7	1.9	4.0	23	120	110	42	70	0	91	98	104	72	1	7	357	1	7	357	85	119

Notes: (1) Pressure is given at Station Level.
(2) Two wind directions separated by a solidus (/) mean that there were these two predominant directions: two directions separated by a hyphen (-) mean that the wind was from between these two directions.
(3) The following definitions are used in this table: Fog = Visibility less than 1100 yards: Mist or Haze = Visibility 1100 yards to 6½ miles: Good = Visibility 12 miles or over.
(4) A day of rain is one on which 0.01 inch or more of rain falls.

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT MBULU, IN 1949

Latitude 3° 52' S Longitude 35° 33' E Altitude 5700 feet. Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature				Extremes of Temperature								Relative Humidity		Rainfall			
			Dry Bulb		Dew Point						Mean	Mean	Max. + Min.	Mean					Max. Fall	
	0830	1430	0830	1430	0830	1430	Max.	Date	Min.	Date	Max.	Min.	2	Range	0830	1430	Total	In 24 hrs.	Date
	mb.	mb.	°F	°F	°F	°F	°F		°F		°F	°F	°F	°F	%	%	ins.	ins.	
January	-	-	64.2	73.4	58.3	61.3	80.0	often	52.0	25	76.4	55.8	66.1	20.3	81	66	2.40	1.40	2
February	-	-	64.0	73.9	58.8	62.2	81.0	7	50.0	7	76.5	55.0	65.7	21.5	84	67	6.04	1.33	12
March	-	-	64.3	76.5	60.5	64.3	82.0	19,26	48.4	17	79.5	56.5	68.0	23.0	87	66	1.92	1.46	8
April	-	-	62.1	73.2	59.8	61.6	81.2	1	55.0	20,26	75.6	58.2	66.9	17.5	92	67	12.16	3.52	11
May	-	-	59.0	71.7	55.8	58.5	76.5	1	46.0	29	71.7	55.5	63.6	16.3	89	68	0.70	0.32	2
June	-	-	55.6	67.0	51.2	53.3	71.0	16	46.0	18	69.1	52.1	60.6	17.2	85	62	0.00	0.00	0
July	-	-	55.2	65.1	51.3	53.3	72.0	4	48.0	18	69.3	51.9	60.6	17.3	87	66	0.26	0.16	13
August	-	-	55.2	69.1	51.3	50.6	76.0	22	45.5	20	71.1	51.1	61.1	20.1	87	52	0.80	0.00	0
September	-	-	57.1	72.5	51.9	51.9	80.0	29	51.0	3,15	74.6	52.7	63.7	21.9	83	49	0.06	0.03	15
October	-	-	58.8	75.1	53.2	51.9	80.0	18,31	51.0	1	76.9	55.1	66.0	21.8	82	44	0.00	0.00	0
November	-	-	64.1	76.8	56.0	54.8	83.0	25	53.0	1	79.6	57.8	68.7	21.8	75	47	0.38	0.12	4,8
December	-	-	63.2	74.2	57.6	55.2	80.0	1,4	53.0	3	76.4	57.9	67.1	18.5	82	52	6.09	2.94	10
Year	-	-	60.2	72.2	55.5	56.6	83.0	Nov. 25	45.5	Aug. 20	74.7	55.0	64.8	19.8	85	59	30.01	3.52	April 11

Month	Prevailing Wind Direction (2)		Mean Wind Speed		Cloud Amount (eighths) and Frequency of Total Cloud														Frequency of Visibility (3)						No. of days of	
					Total		Low		0830					1430					0830			1430				
	0830	1430	0830	1430	0830	1430	0830	1430	0	1-2	3-5	6-7	8	0	1-2	3-5	6-7	8	Fog	Mist or Haze	Good	Fog	Mist or Haze	Good	Rain (4)	Thunder
			knots	knots																						
January	E	E	4	4	4.8	4.1	4.7	4.1	1	2	17	9	2	0	9	11	8	3	0	0	31	0	0	31	5	6
February	E	E	3	4	4.3	3.4	3.7	2.8	0	7	11	6	4	3	11	8	6	0	0	0	28	0	0	28	11	0
March	NE/E	E	9	10	4.7	2.0	3.0	1.3	1	5	13	8	4	4	17	10	0	0	2	8	21	0	0	31	5	0
April	NE/E	E	10	16	7.2	4.8	6.6	3.8	0	1	2	6	19	0	1	20	9	0	7	11	12	0	4	26	12	12
May	NE/E	E	10	17	7.1	4.2	6.9	3.8	1	0	3	5	22	3	5	15	7	1	0	19	12	0	4	27	5	0
June	E	NE-SE	9	18	7.4	3.8	6.9	3.5	1	0	1	3	25	4	5	14	4	3	0	14	16	0	1	29	0	0
July	E	E	7	17	7.5	3.8	7.3	3.5	0	0	2	4	22	5	8	6	6	3	0	23	5	0	0	28	2	0
August	E/SE	E/SE	13	15	6.5	3.5	6.5	3.3	3	1	2	7	18	1	6	21	3	0	0	9	22	0	0	31	0	0
September	SE	E/SE	14	15	6.0	3.0	6.0	3.0	0	2	11	5	12	1	15	11	3	0	0	0	30	0	0	30	3	0
October	E/SE	E/SE	11	14	6.7	2.8	6.7	2.8	0	2	3	12	14	0	16	15	0	0	0	0	31	0	0	31	0	0
November	E/SE	E/SE	9	12	5.8	3.4	5.8	3.3	0	4	8	6	12	0	10	17	3	0	0	0	30	0	0	30	4	0
December	SE	E/SE	7	10	6.6	4.9	6.6	4.8	0	2	4	12	13	0	2	20	7	2	0	0	31	0	0	31	14	5
Year	NE-SE	E/SE	9	13	6.2	3.6	5.9	3.3	7	26	77	85	167	21	105	168	56	12	9	84	269	0	9	353	61	23

Notes: (1) Pressure is given at Station Level.
(2) Two wind directions separated by a solious (/) mean that there were these two predominant directions: two directions separated by a hyphen (-) mean that the wind was from between these two directions.
(3) The following definitions are used in this table: Fog = Visibility less than 1100 yards; Mist or Haze = Visibility 1100 yards to 6½ miles; Good = Visibility 12 miles or over.
(4) A day of rain is one on which 0.01 inch or more of rain falls.

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT MOROGORO, IN [illegible]

Latitude 6°57'S Longitude 37°40'E Altitude 1900 feet. Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature				Extremes of Temperature							Relative Humidity		Rainfall		
			Dry Bulb		Dew Point						Mean	Mean	Max. + Min.	Mean				
	0830	1430	0830	1430	0830	1430	Max.	Date	Min.	Date	Max.	Min.	2	Range	0830	1430	Total	Max. Fall in 24 hrs.	Date
	mb.	mb.	°F	°F	°F	°F	°F		°F		°F	°F	°F	°F	%	%	ins.	ins.	
January	-	-	74.2	85.8	69.6	69.2	94.0	31	64.9	14	86.2	69.0	76.6	19.2	87	56	3.65	1.85	4
February	-	-	75.0	86.1	70.1	66.6	96.7	2	64.0	22	90.3	69.2	79.7	21.1	85	53	1.66	0.55	8
March	-	-	76.5	89.9	70.7	67.6	96.0	2	66.5	18	92.5	70.7	81.7	22.1	83	46	2.46	0.97	26
April	-	-	73.4	84.3	71.0	70.8	94.5	1	64.0	2,19	85.4	68.6	77.5	17.8	93	64	5.26	0.58	22
May	-	-	70.6	82.5	67.5	66.9	89.0	1,2,13	53.5	31	85.1	65.4	75.3	19.7	90	64	6.49	1.35	14
June	-	-	67.1	80.1	61.6	62.7	85.8	10	55.0	5	82.6	60.2	71.4	22.3	83	56	0.35	0.15	23
July	-	-	66.9	79.5	62.5	62.0	84.5	9	54.0	8,18	81.3	60.3	70.8	21.0	86	55	0.81	0.39	10
August	-	-	66.5	82.1	63.1	60.3	89.0	24	52.5	14	84.4	59.8	72.1	24.6	69	46	0.05	0.05	7
September	-	-	70.0	85.4	63.2	59.3	92.0	16,30	56.0	10	86.8	60.8	73.8	26.0	79	42	0.03	0.03	5
October	-	-	72.9	86.7	64.1	60.6	93.0	23,31	59.0	18	90.0	63.2	76.6	26.8	74	39	0.06	0.06	26
November	-	-	77.2	90.3	66.6	63.0	96.0	2	62.0	1	93.2	67.0	80.1	26.3	71	41	0.36	0.16	20
December	-	-	77.2	89.1	66.0	66.2	96.0	10	62.0	17	91.6	69.8	80.7	21.7	74	47	2.03	0.79	23
	-	-	-	-	-	-		Feb.		Aug.									Jan.
Year	-	-	74.3	85.5	66.5	64.9	96.7	2	52.5	14	87.7	65.3	76.5	22.4	83	51	23.21	1.85	4

Month	Prevailing Wind Direction (2)		Mean Wind Speed		Cloud Amount (eighths) and Frequency of Total Cloud											Frequency of Visibility (3)						No. of days of	
					Total		Low		0830					1430								Rain (4)	Thunder
	0830	1430	0830	1430	0830	1430	0830	1430	0	1-2	3-5	6-7	8	0	1-2	3-5	6-7	8	Fog	0830 Mist or Haze	0830 Good	Fog	1430 Mist or Haze	1430 Good		
			Knots	Knots																						
January	NE	NE	2	4	6.4	5.2	5.9	4.4	0	0	8	16	7	0	0	21	6	4	0	2	29	0	0	31	3	7
February	NE	NE	2	5	6.2	5.2	5.6	4.5	0	4	5	6	13	0	0	19	4	5	0	1	27	0	0	28	9	12
March	NE	NE	2	7	5.6	5.3	5.2	4.7	0	1	13	11	6	0	0	15	11	1	0	4	27	0	0	31	5	13
April	E/NE	NE	2	4	6.5	6.6	5.9	6.1	0	0	6	15	9	0	0	5	22	3	0	6	24	0	0	30	20	6
May	NW	NW	1	2	6.6	6.3	6.0	6.1	0	0	0	13	12	0	0	7	21	3	0	7	24	0	0	31	13	0
June	NE	N-E	1	1	6.4	6.6	5.9	5.4	0	1	7	11	11	0	0	3	20	6	0	13	17	0	2	27	6	0
July	NE-SW	SE	1	1	6.6	7.3	6.0	6.9	0	0	2	22	7	0	0	0	17	14	0	6	23	0	0	31	4	0
August	Calm	SW/NW	0	2	6.6	6.8	6.0	6.1	0	0	6	14	11	0	0	4	22	5	0	4	27	0	0	31	1	0
September	SE/NE	SE	1	10	5.1	5.3	3.9	4.5	1	2	19	5	3	2	0	10	16	2	0	0	30	0	0	30	1	0
October	W	SE	1	7	4.9	4.9	4.0	3.9	0	0	24	5	2	0	0	24	7	0	0	0	31	0	0	31	1	0
November	NE	NE/SE	3	7	4.5	4.9	4.0	4.0	0	0	26	2	2	0	0	26	2	2	0	0	30	0	1	29	3	5
December	NE/N	SE	2	5	5.4	5.7	4.3	5.0	0	2	15	10	4	0	0	15	13	3	0	0	31	0	0	31	9	16
Year	NE	NE/SE	1	5	6.0	5.6	5.3	5.2	1	10	133	134	87	2	0	153	161	46	0	45	320	0	3	361	85	61

Notes: (1) Pressure is given at Station Level.
(2) Two wind directions separated by a solidus (/) mean that there were these two predominant directions; two directions separated by a hyphen (-) mean that the wind was from between these two directions.
(3) The following definitions are used in this table: Fog = Visibility less than 1100 yards; Mist or Haze = Visibility 1100 yards to 6½ miles; Good = Visibility 12 miles or over.
(4) A day of rain is one on which 0.01 inch or more of rain falls.

Latitude 3°21'S Longitude 37°28'E Altitude 2660 feet. Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature				Extremes of Temperature				Mean	Mean	Max. + Min.	Mean	Relative Humidity		Rainfall		
			Dry Bulb		Dew Point								2						
	0830	1430	0830	1430	0830	1430	Max.	Date	Min.	Date	Max.	Min.		Range	0830	1430	Total	Max. Fall in 24 hrs.	Date
	mb.	mb.	°F	°F	°F	°F	°F		°F		°F	°F	°F	°F	%	%	ins.	ins.	
January	-	-	71.1	67.6	62.7	61.6	95.0	27,28	57.6	14	90.0	62.1	76.1	27.9	75	42	0.98	0.98	1
February	-	-	71.6	69.3	62.4	60.2	97.2	4	59.2	22	91.5	62.6	77.1	28.6	73	38	2.56	1.58	10
March	-	-	73.4	71.9	62.8	58.9	98.3	6	64.7	1	94.5	64.4	79.5	30.0	70	33	0.46	0.46	12
April	-	-	72.1	69.6	66.0	65.2	95.4	7	64.0	3	87.1	68.0	77.5	19.1	81	52	10.89	2.64	17
May	-	-	70.0	66.9	64.3	64.0	85.0	10	56.1	29	82.5	65.2	73.9	17.3	83	57	2.37	0.62	6
June	-	-	67.1	64.8	60.0	58.4	84.6	18	53.8	6	80.8	62.5	71.7	18.3	78	50	0.03	0.02	30
July	-	-	65.5	77.6	59.7	57.5	84.5	10	57.1	6	79.6	62.1	70.9	17.5	82	50	0.62	0.18	11,13
August	-	-	65.7	79.4	58.3	55.5	85.9	18	51.7	20	81.4	59.6	70.5	21.8	77	44	0.00	0.00	0
September	-	-	67.9	83.5	58.3	54.7	90.5	16	54.3	5	85.3	59.3	72.3	26.1	72	37	0.19	0.10	25
October	-	-	70.2	86.4	59.7	54.9	91.0	13,31	56.3	17	88.1	63.3	75.7	24.8	70	35	0.15	0.15	28
November	-	-	74.5	89.9	61.7	56.3	95.0	25,26	58.1	23	91.7	63.3	77.5	28.4	65	32	0.30	0.26	18
December	-	-	73.4	86.2	63.7	61.0	94.4		61.0	29	89.4	64.9	77.1	24.5	72	43	1.48	0.61	20
Year	-	-	70.2	84.7	61.6	59.0	98.3	March 6	51.7	Aug. 20	86.8	63.1	75.0	23.7	75	43	20.03	2.64	April 17

Month	Prevailing Wind Direction (2)		Mean Wind Speed		Cloud Amount (eighths) and Frequency of Total Cloud											Frequency of Visibility (3)							No. of days of	
					Total		Low		0830					1430								0830			1430				Rain (4)	Thunder
	0830	1430	0830	1430	0830	1430	0830	1430	0	1-2	3-5	6-7	8	0	1-2	3-5	6-7	8	Fog	Mist or Haze	Good	Fog	Mist or Haze	Good		
			knots	knots																						
January	SW	SE	4	7	3.2	4.8	2.3	4.4	0	17	6	6	2	0	3	16	10	2	0	0	31	0	0	31	1	4
February	W	SE	4	6	3.4	5.2	2.2	3.3	0	13	8	4	3	0	1	14	11	2	0	0	28	0	0	28	5	7
March	E/W	SE	5	10	3.7	4.4	3.3	4.1	0	14	5	4	8	0	4	19	8	0	0	0	31	0	0	31	1	5
April	SE	SE	4	5	6.2	6.4	4.3	5.1	0	3	3	21	3	0	3	16	5	6	0	1	29	0	1	29	15	6
May	N-SSE	E/SE	3	5	6.9	3.6	6.6	3.0	0	1	2	2	26	0	11	14	0	6	0	0	31	0	0	31	15	0
June	NE-S	E	3	7	6.6	4.6	6.2	4.2	0	2	4	5	19	0	8	9	4	9	0	0	30	0	0	30	2	6
July	N-S	SE	4	6	7.1	5.8	6.9	5.7	0	1	1	1	28	0	1	10	4	16	0	1	30	0	0	31	6	0
August	E-SSW	E/SE	4	8	7.0	5.3	6.6	5.0	0	2	0	5	24	0	5	6	6	12	0	0	31	0	0	31	0	0
September	ESE-S	SE	4	8	4.8	4.4	4.5	3.9	0	8	5	6	11	0	9	10	6	5	0	0	30	0	0	30	3	0
October	ENE-SSE	SE	5	7	6.1	4.6	5.5	3.5	0	1	9	3	18	0	4	18	7	2	0	0	31	0	0	31	1	0
November	ESE-SSW	SE	4	10	4.2	4.7	3.7	3.8	0	6	12	6	6	0	2	16	10	2	0	0	29	0	1	30	15	3
December	E-SSE	NE-SSE	2	8	5.4	6.2	4.9	5.5	0	6	5	13	7	0	0	8	17	6	0	0	31	0	0	31	9	13
Year	NE-SSW	SE	4	7	5.4	4.9	4.9	4.2	0	74	60	58	173	0	51	158	88	68	0	2	363	0	0	365	62	38

Notes: (1) Pressure is given at Station Level.
(2) Two wind directions separated by a solidus (/) mean that there were these two predominant directions; two directions separated by a hyphen (-) mean that the wind was from between these two directions.
(3) The following definitions are used in this table: Fog = Visibility less than 1100 yards; Mist or Haze = Visibility 1100 yards to 6½ miles; Good = Visibility 12 miles or over.
(4) A day of rain is one on which 0.01 inch or more of rain falls

Latitude 6°20'S Longitude 36°30'E Altitude 3700 feet. Standard time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature				Extremes of Temperature						Relative Humidity		Rainfall		
			Dry Bulb		Dew Point												
	0630	1430	0630	1430	0630	1430	Max.	Date	Min.	Date	Mean Max.	Mean Min.	Max. + Min. 2	Mean Range	0830	1430	Total	Max. Fall in 24 hrs.	Date
	mb.	mb.	°F	°F	°F	°F	°F		°F		°F	°F	°F	°F	%	%	ins.	ins.	
January	-	-	56.2	80.3	51.5	52.6	87.8	20,27	55.4	15,18	84.0	59.8	71.9	24.5	80	56	6.96	2.50	1
February	-	-	64.5	79.1	61.6	65.5	86.9	22	57.2	often	82.0	60.1	71.1	21.9	90	63	4.17	1.53	12
March	-	-	69.5	81.3	63.6	63.4	87.8	6,12	55.3	18	84.8	61.0	72.9	23.7	81	55	3.91	2.35	26
April	-	-	66.5	76.8	63.1	63.4	86.2	3	56.1	30	81.5	62.9	72.2	18.6	83	60	2.90	1.22	3
May	-	-	67.4	77.4	60.4	60.0	83.3	1	57.2	1	79.8	62.1	70.9	17.7	78	55	0.56	0.27	6
June	-	-	64.9	75.3	55.1	57.0	79.7	26	54.5	23	77.3	59.5	68.4	17.8	71	53	0.00	0.00	0
July	-	-	63.1	74.8	55.5	54.3	79.3	9,19	51.8	27	76.5	57.7	67.1	18.8	76	49	0.03	0.03	14
August	-	-	65.7	75.8	54.6	53.3	83.1	24	51.8	13,15	76.1	57.0	67.5	21.2	68	46	0.00	0.00	0
September	-	-	66.4	78.9	54.3	50.8	86.5	30	55.4	15	81.6	57.8	69.7	23.9	65	38	0.00	0.00	0
October	-	-	66.7	80.3	55.0	53.8	88.2	31	55.4	2,6,8	84.0	58.6	71.3	25.4	62	40	0.00	0.00	0
November	-	-	71.8	83.8	57.6	55.0	92.3	25	54.5	13	89.0	58.5	73.7	30.5	52	37	0.02	0.02	19
December	-	-	71.8	80.6	60.2	57.7	92.1	1	57.6	16	87.8	61.6	74.7	26.2	67	46	2.79	0.83	30
Year	-	-	67.5	78.9	58.5	58.1	92.3	MAY. 25	51.8	JUL/27 AUG/13,15	82.2	59.7	70.9	22.5	73	50	23.38	2.50	JAN. 1

Month	Prevailing Wind Direction (2)		Mean Wind Speed		Cloud Amount (eighths) and Frequency of Total Cloud													Frequency of Visibility (3)						No. of days of	
					Total		Low		0630					1430				0630			1430				
	0630	1430	0630	1430	0630	1430	0830	1430	0	1-2	3-5	6-7	8	0	1-2	3-5	6-7	8	Fog	Mist or Haze	Good	Fog	Mist or Haze	Good	Rain (4)	Thunder
			knots	knots																						
January	E-W	S	3	3	4.2	5.8	2.8	4.5	2	11	7	5	6	0	2	9	14	6	0	2	29	0	2	29	9	0
February	N-E	SW/W	2	2	5.7	5.8	3.1	5.1	5	1	4	6	12	0	2	9	9	8	0	0	28	0	1	27	11	0
March	NE/NW	NE/SE	2	3	4.9	5.2	2.6	3.0	5	1	11	5	9	0	3	13	13	2	0	0	31	0	0	31	5	0
April	NE/E	E/SE	3	3	6.5	5.4	0.2	1.0	0	0	7	13	10	0	1	15	13	1	0	0	30	0	0	30	12	0
May	NE/E	E/SE	3	4	6.5	5.1	0.5	1.1	0	0	9	12	10	0	1	18	12	0	0	0	31	0	0	31	4	0
June	E	E/SE	4	4	6.4	5.1	3.5	1.1	0	1	5	17	7	0	1	20	8	1	0	0	30	0	0	30	0	0
July	E	SE	4	5	6.5	5.1	1.6	0.8	0	1	4	16	8	0	0	22	9	0	0	0	31	0	0	31	1	0
August	E	SE	3	5	6.9	3.9	1.5	0.5	1	0	6	18	6	3	0	25	3	0	0	0	31	0	0	31	0	0
September	E	SE	3	5	4.8	3.9	1.0	0.8	5	1	9	11	5	6	0	18	6	0	0	0	30	0	0	30	0	0
October	E/SE	E/SE	3	5	4.7	4.7	1.1	0.4	6	1	9	12	3	0	1	23	7	0	0	0	31	0	0	31	0	0
November	SE/S	SE	3	4	4.3	4.9	0.5	0.6	5	0	15	10	0	2	1	13	13	1	0	0	30	0	0	30	1	1
December	NE	SE	2	5	5.2	5.5	1.0	0.3	2	0	16	9	4	1	0	12	17	1	0	0	31	0	0	31	9	2
Year	NE/E	SE	3	4	5.5	5.0	1.6	1.7	31	17	102	136	79	12	12	197	124	20	0	2	363	0	3	362	52	3

Notes: (1) Pressure is given at Station Level.
(2) Two wind directions separated by a solidus (/) mean that there were these two predominant directions: two directions separated by a hyphen (-) mean that the wind was from between these two directions.
(3) The following definitions are used in this table: Fog = Visibility less than 1100 yards: Mist or Haze = Visibility 1100 yards to 6½ miles: Good = Visibility 12 miles or over.
(4) A day of rain is one on which 0.01 inch or more of rain falls.

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT MTWARA PORT WORKS, IN 1949.

Latitude 10°15'S Longitude 40°13'E Altitude 40 feet. Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature				Extremes of Temperature							Relative Humidity		Rainfall		
			Dry Bulb		Dew Point													
	0830	1430	0830	1430	0830	1430	Max.	Date	Min.	Date	Mean Max.	Mean Min.	Max. + Min. 2	Mean Range	0830	1430	Total	Max. Fall in 24 hrs.	Date
	mb.	mb.	°F	°F	°F	°F	°F		°F		°F	°F	°F	°F	%	%	ins.	ins.	
January																			
February																			
March																			
April																			
May																			
June																			
July	-	-	74.5	83.8	66.2	66.7	88.3	8	61.5	18	83.9	66.9	75.4	17.8	75	57	1.36	0.52	10
August	-	-	75.7	84.1	67.3	66.2	-	-	61.0	23	-	64.4	-	-	75	55	0.06	0.06	29
September	-	-	78.9	84.6	69.0	69.3	90.2	11,18	61.1	26,27	87.0	66.7	76.9	20.2	72	60	0.52	0.44	5
October	-	-	80.9	84.6	72.0	70.4	89.2	3	65.1	20	86.5	68.6	77.5	18.0	74	63	1.88	1.88	10
November	-	-	83.4	85.2	74.0	74.4	90.0	11	65.0	1	87.5	73.7	80.6	13.8	74	70	0.06	0.04	11
December	-	-	84.5	86.4	76.4	77.3	92.0	30	70.1	4	88.3	75.8	82.1	12.3	77	75	1.13	0.50	25
Year	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Month	Prevailing Wind Direction (2)		Mean Wind Speed		Cloud Amount (eighths) and Frequency of Type of Cloud															Frequency of Visibility (3)						No. of days of	
					Total		Low		0830					1430						0830			1430			Rain (4)	Thunder
	0830	1430	0830	1430	0830	1430	0830	1430	0	1-2	3-5	6-7	8	0	1-2	3-5	6-7	8	Fog	Mist or Haze	Good	Fog	Mist or Haze	Good		
			knots	knots																						
January																										
February																										
March																										
April																										
May																										
June																										
July	S	SE	12	14	2.6	3.9	2.2	3.5	3	18	1	8	0	0	10	10	6	0	0	0	30	0	0	26	4	0
August	S	E	11	18	2.7	4.6	2.3	4.6	4	15	6	6	0	0	1	18	7	0	0	0	31	0	0	26	1	0
September	S	E	9	15	3.1	3.2	2.6	3.0	2	11	9	7	0	3	7	10	5	0	0	0	29	0	0	25	2	0
October	E	E	5	12	4.5	2.5	3.7	2.1	0	5	15	11	0	1	15	5	3	1	0	0	31	1	0	24	1	0
November	NE	NE	8	16	4.3	2.3	3.1	1.7	0	1	27	2	0	0	16	10	0	0	0	0	30	0	0	26	2	0
December	NE	NE	7	14	4.7	2.9	3.8	2.6	0	0	24	6	1	0	10	14	3	0	0	0	31	0	0	27	6	0
Year	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes: (1) Pressure is given at Station Level.
(2) Two wind directions separated by a solidus (/) mean that there were these two predominant directions: two directions separated by a hyphen (-) mean that the wind was from between these two directions.
(3) The following definitions are used in this table: Fog = Visibility less than 1100 yards: Mist or Haze = Visibility 1100 yards to 6½ miles: Good = Visibility 12 miles or over.
(4) A day of rain is one on which 0.01 inch or more of rain falls.

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT MUSOMA, IN 1949.

Latitude 1°30'S Longitude 33°48'E Altitude 3764 feet. Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature				Extremes of Temperature								Relative Humidity		Rainfall		
			Dry Bulb		Dew Point						Mean	Mean	Max. + Min.	Mean				Max. Fall	
	0830	1430	0830	1430	0830	1430	Max.	Date	Min.	Date	Max.	Min.	2	Range	0830	1430	Total	in 24 hrs.	Date
	mb.	mb.	°F	°F	°F	°F	°F		°F		°F	°F	°F	°F	%	%	ins.	ins.	
January	886.6	884.2	72.8	81.5	61.0	64.2	90.6	17	62.3	1	84.5	67.1	75.8	17.3	67	56	0.30	0.15	3,27
February	886.9	884.5	71.4	81.0	61.7	63.6	92.3	1	62.8	12	84.2	66.4	75.3	17.8	71	56	1.07	0.49	11
March	885.2	882.4	74.3	83.4	61.7	65.0	92.4	30	63.2	10	87.1	69.2	78.1	17.8	65	54	0.08	0.05	9
April	886.9	884.7	72.7	81.2	64.7	66.7	91.0	6	63.1	4	82.9	66.4	74.7	16.5	76	62	5.14	1.01	30
May	887.5	885.3	71.1	81.4	62.6	62.7	88.1	9	62.4	29	83.1	65.5	74.1	17.9	74	54	1.70	0.38	10
June	888.6	886.7	69.2	80.8	59.5	61.2	86.4	15	61.0	3	82.7	63.9	73.3	18.6	72	52	1.61	1.46	2
July	888.5	887.4	68.7	79.6	58.9	62.5	86.1	11	60.7	22	82.1	64.0	73.1	18.1	71	56	0.42	0.32	23
August	888.1	886.2	70.4	79.2	59.7	63.6	86.9	12	61.2	14	81.4	64.7	73.1	16.7	69	59	0.34	0.17	6
September	888.4	886.8	71.3	80.1	60.0	62.6	89.3	17	62.1	7,22	82.5	65.6	74.1	16.9	68	55	2.14	1.36	21
October	887.7	885.0	72.8	80.5	59.9	63.5	91.2	23	61.4	2	84.8	65.7	75.3	19.1	64	57	0.11	0.06	28
November	886.5	883.8	74.7	81.7	-	-	91.4	22	63.9	29	86.0	67.6	76.8	18.3	-	-	1.01	0.74	26
December	886.7	884.0	71.4	79.1	-	-	87.5	7	60.9	24	81.4	65.5	73.5	16.8	-	-	4.46	1.50	23
Year	887.3	885.0	71.7	80.8	-	-	92.4	March 30	60.7	July 22	83.7	65.9	74.8	17.7	-	-	18.38	1.50	Dec. 23

Month	Prevailing Wind Direction (2)		Mean Wind Speed		Cloud Amount (eighths) and Frequency of Total Cloud													Frequency of Visibility (3)						No. of days of	
					Total		Low		0830					1430				0830			1430				
	0830	1430	0830	1430	0830	1430	0830	1430	0	1-2	3-5	6-7	8	0	1-2	3-5	6-7	8	Fog	Mist or Haze	Good	Fog	Mist or Haze	Good	Rain (4)	Thunder
			knots	knots																						
January	SE	NE	4	10	4.9	4.2	3.6	3.3	0	0	19	6	5	1	4	19	4	2	0	18	12	0	17	13	2	3
February	SE	NE	4	11	6.0	5.1	4.7	3.7	0	0	12	7	9	0	1	15	9	3	0	18	10	0	18	10	5	10
March	SE	NE	6	15	5.4	5.0	4.0	3.5	0	0	14	6	5	0	0	19	7	1	0	22	6	0	22	5	2	6
April	E/SE	NE	2	9	5.5	5.5	4.0	4.0	0	0	7	4	19	0	0	8	14	8	0	3	12	0	5	9	20	4
May	SE	NE/NW	3	6	6.2	5.8	4.8	4.4	0	0	12	9	10	0	0	12	15	4	0	14	17	0	14	17	8	7
June	SE	NW	4	7	5.1	4.9	4.7	3.9	1	0	19	1	9	0	2	16	9	3	0	19	11	0	12	18	3	8
July	SE	NW	5	10	5.3	5.2	4.8	4.6	0	0	15	5	6	0	0	16	12	2	0	14	16	0	14	16	3	3
August	E/SE	NW	5	13	5.2	5.0	4.2	4.0	0	0	19	6	6	0	1	19	7	3	0	21	10	0	12	18	4	10
September	E/SE	NW	5	10	6.1	5.4	5.2	4.1	0	0	10	10	10	0	0	16	13	1	0	25	5	0	25	7	6	3
October	E/SE	NW	5	13	5.9	4.7	4.8	3.5	0	0	20	6	4	0	0	21	7	1	0	11	19	0	7	22	2	8
November	E/SE	NE	5	13	5.5	5.3	4.5	4.4	0	0	18	4	6	0	0	14	13	3	0	2	26	0	1	26	3	5
December	E/SE	NW	3	9	6.2	5.9	5.7	5.2	0	0	12	7	10	0	0	9	19	1	0	12	17	0	11	18	11	10
Year	E/SE	NE/NW	4	11	5.6	5.2	4.6	4.1	1	1	181	73	84	1	8	184	119	23	0	179	161	0	156	179	69	77

Notes: (1) Pressure is given at Station Level.
(2) Two wind directions separated by a solidus (/) mean that there were these two predominant directions: two directions separated by a hyphen (-) mean that the wind was from between these two directions.
(3) The following definitions are used in this table: Fog = Visibility less than 1100 yards; Mist or Haze = Visibility 1100 yards to 5½ miles; Good = Visibility 12 miles or over.
(4) A day of rain is one on which 0.01 inch or more of rain falls.

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT MWANZA, IN 1945

Latitude 2°31'S Longitude 32°54'E Altitude 3709 feet. Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature				Extremes of Temperature				Mean Max.	Mean Min.	Max. + Min. 2	Mean Range	Relative Humidity		Rainfall		
			Dry Bulb		Dew Point														
	0830	1430	0830	1430	0830	1430	Max.	Date	Min.	Date					0830	1430	Total	Max. Fall in 24 hrs.	Date
	mb.	mb.	°F	°F	°F	°F	°F		°F		°F	°F	°F	°F	%	%	ins.	ins.	
January	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1.14	0.60	7
February	–	–	71.8	81.7	63.6	62.8	89.4	17	57.7	10	84.3	62.0	73.1	22.3	76	53	1.56	0.54	22
March	–	–	74.9	85.6	62.0	60.6	94.4	19	59.2	11	88.2	69.7	78.9	18.9	65	43	0.21	0.19	10
April	–	–	72.1	77.8	65.9	66.8	88.5	7	–	–	82.2	–	–	–	81	69	7.93	1.47	11
May	–	–	74.0	81.3	62.2	62.8	87.5	8	66.0	30	83.5	69.7	76.6	14.5	71	54	0.98	0.52	25
June	–	–	70.5	82.4	56.3	55.8	87.5	12,17	60.0	26	84.2	68.7	75.5	17.6	61	41	0.52	0.50	29
July	–	–	69.9	81.8	54.8	54.5	86.9	16	59.0	29	84.0	63.9	73.9	20.1	59	39	0.02	0.02	20
August	–	–	70.4	80.9	57.4	56.7	87.5	14	60.0	1	82.4	64.1	73.3	18.3	64	47	1.15	1.05	23
September																	0.69	0.61	21
October																	0.99	0.66	12
November			Station transferred to Mwanza Air Field 17th August, 1945.														2.26	2.06	23
December																	12.37	2.69	20
																			Dec.
Year	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	30.02	2.69	20

Month	Prevailing Wind Direction (3)		Mean Wind Speed		Cloud Amount (eighths) and Frequency of Total Cloud														Frequency of Visibility (3)						No. of days of	
					Total		Low		0830					1430					0830			1430			Rain (4)	Thunder
	0830	1430	0830	1430	0830	1430	0830	1430	0	1-2	3-5	6-7	8	0	1-2	3-5	6-7	8	Fog	Mist or Haze	Good	Fog	Mist or Haze	Good		
			knots	knots																						
January	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	3	Unreliable
February	S	N	10	13	2.9	2.9	2.6	2.6	7	3	17	1	0	3	7	17	1	0	U	n	r	e	l	i	a b	l e	6	–
March	S	N	11	15	1.8	2.6	1.4	2.4	15	1	15	0	0	7	3	21	0	0	U	n	r	e	l	i	a b	l e	2	–
April	S/SW	N	8	12	3.3	3.9	2.5	3.3	6	1	18	5	0	1	3	24	2	0	3	3	24	4	5	21	18	0
May	S/SW	N	6	7	2.7	2.8	2.3	2.3	10	0	21	0	0	8	0	22	1	0	0	1	30	0	1	30	5	0
June	S	N	10	10	1.3	2.4	1.1	2.1	20	1	9	0	0	6	1	20	1	0	0	1	29	0	0	30	2	0
July	S	N	11	11	1.1	1.6	0.7	1.2	20	0	11	0	0	16	0	15	0	0	0	0	31	0	0	31	1	0
August	S	N	9	11	1.8	2.6	1.3	1.9	6	0	9	0	0	5	0	12	0	0	0	0	17	0	0	17	3	0
September																									2	
October																									3	
November			Station transferred to Mwanza Air Field 17th August, 1945.																						2	
December																									14	
Year	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	63	–

Notes: (1) Pressure is given at Station Level.
(2) Two wind directions separated by a solidus (/) mean that there were these two predominant directions: two directions separated by a hyphen (-) mean that the wind was from between these two directions.
(3) The following definitions are used in this table: Fog = Visibility less than 1100 yards: Mist or Haze = Visibility 1100 yards to 6½ miles: Good = Visibility 12 miles or over.
(4) A day of rain is one on which 0.01 inch or more of rain falls.

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT MWANZA AIR FIELD, IN 1949.

Latitude 2°28'S Longitude 32°55'E Altitude 3740 feet. Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature				Extremes of Temperature								Relative Humidity		Rainfall		
			Dry Bulb		Dew Point						Mean Max.	Mean Min.	Max. + Min. 2	Mean Range				Max. Fall in 24 hrs.	
	0830	1430	0830	1430	0830	1430	Max.	Date	Min.	Date					0830	1430	Total		Date
	mb.	mb.	°F	°F	°F	°F	°F		°F		°F	°F	°F	°F	%	%	ins.	ins.	
January																			
February																			
March																			
April																			
May																			
June							Station started on 18th August, 1949.												
July																			
August	..	..	72.1	82.4	58.4	64.3	90.5	31	62.2	27	84.6	64.5	74.5	19.6	65	55	0.37	0.37	31
September	..	..	74.1	82.6	58.5	61.3	90.5	30	61.0	12	85.3	65.3	75.3	19.3	58	49	0.37	0.37	21
October	..	..	75.5	82.7	59.8	63.6	90.5	23	63.0	12	85.3	66.9	76.1	18.3	58	53	1.53	0.79	11
November	..	..	76.3	83.3	60.6	62.7	90.0	11	64.1	24	85.6	67.9	76.7	17.8	59	50	3.66	2.68	23
December	..	..	72.2	77.2	64.1	65.1	85.5	16	62.0	7	79.5	66.5	73.0	13.1	76	67	12.46	3.76	6
Year	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Month	Prevailing Wind Direction (2)		Mean Wind Speed		Cloud Amount (eighths) and Frequency of Total Cloud													Frequency of Visibility (3)						No. of days of	
					Total		Low		0830					1430				0830			1430			Rain (4)	Thunder
	0830	1430	0830	1430	0830	1430	0830	1430	0	1-2	3-5	6-7	8	0	1-2	3-5	6-7	8	Fog	Mist or Haze	Good	Fog	Mist or Haze	Good		
			knots	knots																						
January																										
February																										
March																										
April																										
May																										
June							Station started on 18th August, 1949.																			
July																										
August	E	E	6	10	3.7	4.2	2.7	2.6	1	3	6	1	1	0	2	7	2	0	0	1	11	0	0	11	1	2
September	E	E	10	11	4.6	4.3	2.7	2.3	1	6	8	7	4	1	2	13	6	3	0	0	26	0	0	25	1	5
October	E	E	7	9	4.8	4.9	2.4	1.4	1	5	10	7	4	0	2	12	8	3	0	1	26	0	0	25	3	5
November	E	E/NE	7	9	4.6	4.5	2.6	2.3	3	3	9	10	3	1	1	18	6	2	0	0	28	0	0	28	3	3
December	E	E/NE	2	5	6.3	4.7	4.0	2.9	0	2	6	9	14	0	3	13	9	3	1	1	29	0	1	29	17	9
Year	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes: (1) Pressure is given at Station Level.
(2) Two wind directions separated by a solidus (/) mean that there were these two predominant directions: two directions separated by a hyphen (-) mean that the wind was from between these two directions.
(3) The following definitions are used in this table: Fog = Visibility less than 1100 yards: Mist or Haze = Visibility 1100 yards to 6⅔ miles: Good = Visibility 12 miles or over.
(4) A day of rain is one on which 0.01 inch or more of rain falls.

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT MWANZA, UKIRIGURU, IN 1945.

Latitude 2°48'S Longitude 33°01'E Altitude 3977 feet. Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature				Extremes of Temperature							Relative Humidity		Rainfall		
			Dry Bulb		Dew Point						Mean	Mean	Max. + Min.	Mean			Max. Fall	
	0630	1430	0630	1430	0630	1430	Max.	Date	Min.	Date	Max.	Min.	2	Range	0630	1430	Total	in 24 hrs.	Date
	mb.	mb.	°F	°F	°F	°C	°F		°F		°F	°F	°F	°F	%	%	ins.	ins.	
January	880.0	877.3	71.4	82.7	61.5	59.5	92.2	23	61.5	2	85.7	65.3	75.5	20.3	71	46	4.23	0.46	4
February	880.4	877.7	70.1	81.5	61.9	58.3	89.7	25	61.2	23	84.5	65.0	74.7	19.6	76	46	4.76	0.81	2
March	876.8	876.1	73.1	86.7	60.6	56.6	93.5	24	60.5	11	89.4	66.8	76.1	22.6	65	36	0.32	0.17	1
April	881.1	878.6	70.6	79.3	63.7	62.0	92.0	1	62.8	14	83.1	66.4	74.7	16.7	79	56	7.33	0.94	13
May	881.1	879.6	69.3	81.1	60.4	58.1	86.9	9	59.7	29	83.7	64.7	74.2	18.9	74	45	0.64	0.25	25
June	882.2	880.0	67.5	81.1	55.3	54.0	87.3	9	58.5	24	84.1	62.8	73.5	21.3	65	40	0.05	0.05	29
July	882.0	879.9	66.6	81.1	53.5	51.5	87.0	16	59.1	16	83.7	63.0	73.3	20.6	63	36	0.06	0.06	11
August	881.3	879.0	68.7	82.4	56.5	50.9	88.9	17	60.0	21	84.9	63.5	74.1	21.4	65	34	0.12	0.10	22
September	881.5	878.7	70.5	82.3	54.9	52.0	90.5	17	60.6	9	85.4	65.8	75.6	19.6	58	35	1.26	0.73	30
October			73.0	82.9	56.6	53.6	91.3	24,26	60.2	13	85.8	67.1	76.5	18.8	56	37	0.30	0.21	14
November			74.6	84.1	56.5	54.8	91.3	17	65.3	7	86.7	68.6	77.7	18.1	56	37	0.74	0.37	9
December			70.9	78.2	63.1	60.4	86.5	7	62.2	24	81.3	66.0	73.7	15.4	77	54	5.70	1.35	8
Year	-	-	70.5	81.9	58.9	56.0	93.5	March 24	58.5	June 24	84.9	65.4	75.1	19.4	67	42	19.51	1.35	Dec. 8

Month	Prevailing Wind Direction (2)		Mean Wind Speed		Cloud Amount (eighths) and Frequency of Total Cloud													Frequency of Visibility (3)						No. of days of	
					Total		Low		0630					1430				0830			1430			Rain (4)	Thunder
	0630	1430	0630	1430	0630	1430	0630	1430	0	1-2	3-5	6-7	8	0	1-2	3-5	6-7	8	Fog	Mist or Haze	Good	Fog	Mist or Haze	Good		
			knots	knots																						
January	E	N/NW	5	6	5.9	6.4	1.5	4.3	0	0	12	15	4	0	0	3	23	5	0	0	31	0	0	31	5	3
February	S	NW	4	6	6.0	6.4	2.0	4.4	0	0	8	18	4	0	0	4	20	4	0	0	28	0	1	27	12	4
March	E/S	N	6	9	5.5	6.0	0.6	4.2	0	3	10	8	3	0	0	6	22	1	0	0	31	0	0	31	5	4
April	S	N-E	4	7	6.9	7.0	2.6	5.5	0	0	3	14	13	0	0	1	20	9	0	2	28	0	1	29	22	9
May	E	E/SE	6	8	5.9	5.6	1.7	3.3	0	4	3	17	7	0	1	12	12	6	0	0	31	0	0	31	6	9
June	E	E/SE	7	10	4.6	5.3	1.1	2.4	3	6	5	7	9	0	5	8	9	0	0	0	30	0	0	30	1	2
July	E-S	SE	7	11	5.1	5.2	0.7	2.5	0	3	15	9	4	0	4	10	12	5	0	0	31	0	0	31	1	3
August	E	E	6	8	4.5	5.2	1.3	3.3	0	8	8	11	4	1	4	11	6	9	0	0	31	0	0	31	2	4
September	E	S	6	11	4.8	5.8	2.0	3.6	0	4	14	6	6	1	0	11	9	9	0	0	30	0	0	30	5	4
October	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-
November	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-
December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	
Year	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89	-

Notes: (1) Pressure is given at Station Level.
(2) Two wind directions separated by a solidus (/) mean that there were these two preominant directions: two directions separated by a hyphen (-) mean that the wind was from between these two directions.
(3) The following definitions are used in this table: Fog = Visibility less than 1100 yards: Mist or Haze = Visibility 1100 yards to 6½ miles: Good = Visibility 12 miles or over.
(4) A day of rain is one on which 0.01 inch or more of rain falls.

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT NACHINGWEA, IN 1940

Latitude 10°20'S Longitude 38°45'E Altitude 1200 feet. Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature				Extremes of Temperature								Relative Humidity		Rainfall		
			Dry Bulb		Dew Point													Max. Fall	
	0830	1430	0830	1430	0830	1430	Max.	Date	Min.	Date	Mean Max.	Mean Min.	Max. + Min. 2	Mean Range	0830	1430	Total	in 24 hrs.	Date
	mb.	mb.	°F	°F	°F	°F	°F		°F		°F	°F	°F	°F	%	%	ins.	ins.	
January																			
February																			
March																			
April																			
May																			
June																			
July																			
August	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.00	0.00	0
September	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.03	0.03	5
October	..	..	76.6	90.6	65.3	61.6	..	..	..	..	..	..	..	..	68	36	0.00	0.00	0
November	..	..	77.8	91.8	65.4	65.6	..	..	..	..	..	..	..	..	68	43	0.05	0.05	6
December	..	..	72.6	86.3	61.0	65.4	..	..	..	..	..	..	..	..	67	47	3.83	1.56	30
Year	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Month	Prevailing Wind Direction (2)		Mean Wind Speed		Cloud Amount (eighths) and Frequency of Total Cloud															Frequency of Visibility (3)						No. of days of	
					Total		Low		0830					1430						0830			1430				
	0830	1430	0830	1430	0830	1430	0830	1430	0	1-2	3-5	6-7	8	0	1-2	3-5	6-7	8		Fog	Mist or Haze	Good	Fog	Mist or Haze	Good	Rain (4)	Thunder
			knots	knots																						
January																										
February																										
March																										
April																										
May																										
June																										
July																										
August	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0	..
September	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
October	E	E	9	12	4.2	4.1	4.2	4.1	0	11	7	8	3	0	7	13	8	1	0	0	0	29	0	0	29	0	0
November	E	E/N	10	6	4.6	4.2	4.6	4.0	1	8	7	10	4	0	6	12	7	3	0	0	0	30	0	0	30	1	0
December	E	E/N	11	14	5.7	5.4	5.7	5.4	1	3	6	11	8	0	5	7	10	7	0	0	0	29	0	0	29	8	1
Year	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Notes: (1) Pressure is given at Station Level.
(2) Two wind directions separated by a solidus (/) mean that there were these two predominant directions: two directions separated by a hyphen (-) mean that the wind was from between these two directions.
(3) The following definitions are used in this table: Fog = Visibility less than 1100 yards: Mist or Haze = Visibility 1100 yards to 6½ miles: Good = Visibility 12 miles or over.
(4) A day of rain is one on which 0.01 inch or more of rain falls.

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT NJOMBE, IN 1945.

Latitude 9°20'S Longitude 34°46'E Altitude 6000 feet. Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature				Extremes of Temperature								Relative Humidity		Rainfall		
			Dry Bulb		Dew Point								Max. + Min. 2					Max. Fall in 24 hrs.	
	0630	1430	0630	1430	0630	1430	Max.	Date	Min.	Date	Mean Max.	Mean Min.		Mean Range	0630	1430	Total		Date
	mb.	mb.	°F	°F	°F	°F	°F		°F		°F	°F	°F	°F	%	%	ins.	ins.	
January	-	-	60.9	-	59.1	-	85.0	26	46.0	2	79.0	52.1	65.5	26.9	94	-	3.72	1.45	6
February	-	-	60.1	-	58.0	-	83.0	1	47.0	8	75.6	52.1	63.9	23.5	90	-	6.36	1.21	19
March	-	-	61.2	-	58.3	-	85.0	20	46.0	3,4,9	79.0	53.0	66.0	26.0	91	-	5.91	1.70	21
April	-	-	60.2	-	58.0	-	82.0	3,4	40.0	17,18	77.4	49.8	63.6	27.6	92	-	1.96	0.49	8
May	-	-	57.8	-	55.2	-	81.0	1	35.0	31	75.1	47.6	61.3	27.4	91	-	2.29	0.70	9
June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	0.00	0
July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	0.00	0
August	-	-	54.1	-	48.0	-	85.3	18	33.0	9	78.9	37.4	58.1	41.5	80	-	0.00	0.00	0
September	-	-	56.7	-	51.0	-	86.5	15	33.5	21	80.1	40.1	60.1	40.0	81	-	0.00	0.00	0
October	-	-	57.1	78.8	53.2	52.1	86.0	31	37.2	21	81.5	43.4	62.5	38.1	87	40	0.00	0.00	0
November	-	-	61.7	83.1	56.0	54.9	89.8	29	44.2	2	85.2	45.9	65.5	39.3	82	38	0.00	0.00	0
December	-	-	62.2	76.4	55.7	55.1	89.0	1	41.5	18	81.1	49.6	65.3	31.4	80	45	4.11	1.73	25
Year	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26.35	1.73	Dec. 25

Month	Prevailing Wind Direction (2)		Mean Wind Speed		Cloud Amount (eighths) and Frequency of Total Cloud																Frequency of Visibility (3)						No. of days of	
					Total		Low		0630					1430							0630			1430			Rain (4)	Thunder
	0630	1430	0630	1430	0630	1430	0630	1430	0	1-2	3-5	6-7	8	0	1-2	3-5	6-7	8	Fog	Mist or Haze	Good	Fog	Mist or Haze	Good		
			knots	knots																						
January	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	-
February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	-
March	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-
April	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	-
June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-
July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-
August	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-
September	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-
October	E	E	16	17	6.2	4.6	6.2	3.3	2	1	1	13	6	2	2	0	12	0	4	8	11	0	0	24	0	1
November	E	E	15	16	5.1	3.8	4.9	3.2	3	1	4	22	0	0	10	13	7	0	0	7	23	0	0	30	0	0
December	NE/E	E	16	18	5.1	5.2	4.9	4.6	3	1	4	23	0	0	0	16	13	0	0	13	18	0	0	31	11	10
Year	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74	-

Notes: (1) Pressure is given at Station Level.
(2) Two wind directions separated by a solidus (/) mean that there were these two predominant directions: two directions separated by a hyphen (-) mean that the wind was from between these two directions.
(3) The following definitions are used in this table: Fog = Visibility less than 1100 yards: Mist or Haze = Visibility 1100 yards to 6½ miles: Good = Visibility 12 miles or over.
(4) A day of rain is one on which only1 inch or more of rain falls.

Latitude 8°20'S Longitude 35°12'E Altitude 6500 feet. Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature				Extremes of Temperature							Relative Humidity		Rainfall		
			Dry Bulb		Dew Point													
	0830	1430	0830	1430	0830	1430	Max.	Date	Min.	Date	Mean Max.	Mean Min.	Max. + Min. 2	Mean Range	0830	1430	Total	Max. Fall in 24 hrs.	Date
	mb.	mb.	°F	°F	°F	°F	°F		°F		°F	°F	°F	°F	%	%	ins.	ins.	
January	-	-	60.6	78.5	56.8	55.6	79.7	19	50.0	21	73.5	54.9	64.2	18.6	87	60	7.09	2.28	21
February	-	-	60.3	67.5	56.5	56.7	77.2	28	52.5	22	71.8	55.5	63.7	16.3	87	69	5.88	2.50	19
March	-	-	60.4	68.6	57.1	57.0	79.0	16,18	52.3	1	72.1	55.3	63.7	16.8	89	67	2.63	0.58	28
April	-	-	57.8	67.5	56.0	56.0	76.0	30	50.5	28	70.5	54.3	62.4	16.5	94	67	2.39	1.01	3
May	-	-	56.3	66.5	53.0	52.4	72.0	often	45.0	30,31	68.6	51.5	60.1	16.8	89	61	0.15	0.06	4
June	-	-	51.6	62.8	48.7	46.8	70.0	8	43.6	5	65.5	45.8	55.7	18.3	90	56	0.01	0.01	2
July	-	-	51.0	62.7	48.2	45.0	72.5	10	43.0	25	65.3	46.4	55.9	18.9	90	53	0.02	0.02	25
August	-	-	51.5	68.1	48.5	43.1	78.5	23,24	38.0	13	70.5	46.1	58.3	24.3	89	41	0.00	0.00	0
September	-	-	55.9	69.1	47.4	42.7	78.0	30	43.5	9	72.0	48.1	60.1	23.9	74	39	0.00	0.00	0
October	-	-	59.0	71.7	49.0	44.5	78.2	23	47.0	21	74.9	51.0	62.9	23.9	70	38	0.06	0.04	15
November	-	-	65.1	75.7	51.1	46.2	85.3	29	52.7	16	80.0	54.5	67.3	25.6	60	35	0.30	0.28	28
December	-	-	62.6	69.6	54.6	51.9	80.0	17	52.0	18	74.8	55.8	64.9	19.8	75	54	5.27	1.68	21
								Nov.		Aug.									Feb.
Year	-	-	57.7	68.3	52.2	49.8	85.3	29	38.0	13	71.6	51.5	61.6	20.0	83	53	23.75	2.50	19

Month	Prevailing Wind Direction (2)		Mean Wind Speed		Cloud Amount (eighths) and Frequency of Total Cloud														Frequency of Visibility (3)						No. of days of	
					Total		Low		0830					1430					0830			1430			Rain (4)	Thunder
	0830	1430	0830	1430	0830	1430	0830	1430	0	1-2	3-5	6-7	8	0	1-2	3-5	6-7	8	Fog	Mist or Haze	Good	Fog	Mist or Haze	Good		
			knots	knots																						
January	SE	SE	7	6	5.7	6.2	2.9	4.9	0	4	7	11	9	0	2	6	15	8	0	0	31	1	0	30	15	13
February	SE/NW	NW	5	5	6.5	6.9	3.1	5.8	0	2	4	13	9	0	1	3	11	12	0	3	25	0	0	27	20	18
March	SE	SE	9	7	5.8	6.3	4.2	5.5	0	5	6	7	13	0	0	9	14	8	1	3	27	0	0	31	14	16
April	SE	SE	13	9	6.4	6½	5.0	4.9	0	1	7	14	8	0	0	10	17	3	0	0	30	0	0	30	11	3
May	SE	SE	14	11	5.9	5.3	5.3	4.7	0	2	9	11	9	0	2	13	12	3	0	1	30	0	1	29	7	3
June	SE	SE	15	12	4.2	3.9	3.9	3.4	2	4	12	11	0	0	7	14	7	0	0	0	29	0	0	28	1	0
July	SE	SE	13	11	4.8	4.5	3.9	3.4	0	8	7	11	5	0	8	9	8	3	0	0	31	0	1	27	1	0
August	SE	SE	12	9	3.9	2.6	2.1	1.4	4	6	7	11	1	1	14	9	3	0	0	4	27	0	1	26	0	0
September	SE	SE	16	10	2.9	2.8	2.1	2.3	3	15	6	2	4	1	13	8	6	0	0	2	28	0	0	28	0	0
October	SE	SE	14	10	4.3	4.3	2.3	2.7	5	5	8	8	5	0	9	9	10	1	0	0	31	0	0	29	2	1
November	E/SE	E/SE	10	8	4.9	4.8	1.3	3.8	0	11	2	8	9	0	1	16	8	3	0	1	29	0	2	26	2	3
December	E	SE	6	7	6.0	6.3	2.8	4.6	0	4	4	9	13	0	1	6	12	10	0	0	30	0	1	28	12	12
Year	SE	SE	11	9	5.1	5.0	3.4	4.0	14	69	79	116	85	2	58	112	123	51	1	14	348	1	6	339	85	69

Notes: (1) Pressure is given at Station Level.
(2) Two wind directions separated by a solious (/) mean that there were these two predominant directions; two directions separated by a hyphen (-) mean that the wind was from between these two directions.
(3) The following definitions are used in this table: Fog = Visibility less than 1100 yards; Mist or Haze = Visibility 1100 yards to 6½ miles; Good = Visibility 12 miles or over.
(4) A day of rain is one on which 0.01 inch or more of rain falls.

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT SONGEA, IN 1949.

Latitude 10°41'S | Longitude 35°40'E | Altitude 3700 feet. | Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature				Extremes of Temperature						Mean Max. + Min. 2	Relative Humidity		Rainfall		
			Dry Bulb		Dew Point						Mean Max.	Mean Min.		Mean Range				
	0830	1430	0830	1430	0830	1430	Max.	Date	Min.	Date					0830	1430	Total	Max. Fall in 24 hrs.	Date
	mb.	mb.	°F	°F	°F	°F	°F		°F		°F	°F	°F	°F	%	%	ins.	ins.	
January	889.7	887.3	69.8	80.1	63.9	62.4	87.6	15	61.0	2	82.5	64.9	73.7	17.6	81	55	7.00	1.55	7
February	889.1	886.6	67.5	77.3	63.9	64.8	84.4	7	61.6	18	79.1	63.8	71.5	15.3	88	66	14.09	2.14	7
March	889.1	886.8	69.1	75.9	64.2	65.5	82.9	1	61.0	18	76.7	63.9	71.3	14.9	84	70	5.82	1.41	15
April	891.6	889.5	67.3	76.3	62.7	61.8	83.4	5	58.0	20	78.6	62.7	70.7	15.9	85	61	0.64	0.20	23
May	892.6	890.3	64.3	73.9	60.1	58.8	80.2	1	53.4	31	75.3	60.2	68.1	14.9	86	66	0.68	0.30	2
June	894.7	892.8	60.9	70.1	53.8	53.1	75.2	11	49.7	22	72.3	55.7	64.0	16.6	76	55	0.07	0.07	3
July	894.5	892.5	60.8	70.6	53.5	51.0	76.3	15	53.0	18,19	72.3	56.3	64.3	15.9	78	50	0.00	0.00	0
August	893.1	890.9	62.5	73.8	52.8	51.3	82.2	18	51.0	9	75.5	55.8	65.7	19.7	71	45	0.00	0.00	0
September	893.4	890.8	65.2	77.7	53.2	46.9	83.9	29	56.0	12	79.8	59.2	69.5	20.6	65	36	0.00	0.00	0
October	892.4	889.3	67.5	80.2	56.4	52.5	87.0	31	59.0	3	81.9	61.9	71.9	20.0	68	38	0.67	0.48	12
November	890.1	887.4	71.0	83.6	60.3	57.5	90.3	25	63.0	17	85.6	65.7	75.7	19.9	69	41	0.78	0.46	12
December	889.0	886.2	70.7	81.3	61.8	59.0	89.2	1	61.8	27	84.1	66.1	75.1	18.0	73	48	2.89	1.19	26
Year	891.6	889.3	66.4	76.7	58.9	57.2	90.3	Nov. 25	49.7	June 22	78.8	61.4	70.1	17.4	77	52	32.64	2.14	Feb. 7

Month	Prevailing Wind Direction (2)		Mean Wind Speed		Cloud Amount (eighths) and Frequency of Total Cloud													Frequency of Visibility (3)						No. of days of	
					Total		Low		0830					1430				0830			1430			Rain (4)	Thunder
	0830	1430	0830	1430	0830	1430	0830	1430	0	1-2	3-5	6-7	8	0	1-2	3-5	6-7	8	Fog	Mist or Haze	Good	Fog	Mist or Haze	Good		
			knots	knots																						
January	ENE	ENE/E	3	4	6.5	6.4	5.1	5.6	0	1	5	8	17	0	0	5	16	10	0	0	31	0	1	30	10	10
February	NE-SSE	E	2	4	7.4	7.1	4.2	6.0	0	0	2	6	20	0	0	0	14	14	0	1	27	0	1	27	23	21
March	NNE-SSE	SSE	4	5	6.8	7.3	4.9	6.9	0	0	4	10	17	0	0	0	12	19	0	0	27	0	0	31	21	15
April	E-SSE	ESE-SSE	4	4	6.6	7.0	5.8	6.6	0	1	6	5	18	0	0	2	13	15	1	1	28	0	0	30	9	0
May	ESE	ESE	5	5	6.7	6.7	6.5	6.6	0	0	8	4	19	0	0	0	4	19	8	0	3	28	0	0	31	6	0
June	ESE	ESE	7	4	5.2	6.4	4.9	5.8	0	5	8	10	7	0	0	0	7	19	4	0	2	28	0	0	30	1	0
July	ESE/SE	ESE	5	5	5.5	6.0	5.3	5.6	1	3	9	8	10	0	0	0	12	14	5	0	0	31	0	0	31	0	0
August	E	ESE	6	5	2.8	5.0	2.3	4.9	8	7	9	7	0	0	0	5	10	14	2	0	0	31	0	0	31	0	0
September	E	ESE	4	7	3.6	4.8	3.2	4.6	6	7	6	9	2	5	2	6	13	4	0	0	0	30	0	0	30	0	0
October	N	E	4	6	4.2	5.2	2.7	4.3	2	8	14	4	3	0	4	11	11	5	0	0	0	31	0	0	31	5	0
November	N	ENE	4	6	5.1	5.1	3.3	4.2	1	6	0	12	3	1	0	16	11	2	0	0	0	30	0	1	29	4	1
December	NNE-E	ESE	4	5	5.8	6.5	4.0	5.1	0	2	10	11	8	0	0	10	16	5	0	0	1	30	0	0	31	8	5
Year	N-ESE	ESE	4	5	5.5	6.1	4.3	5.5	16	40	89	94	124	6	11	83	172	93	1	12	352	0	3	362	87	52

Notes: (1) Pressure is given at Station Level.
(2) Two wind directions separated by a solious (/) mean that there were these two predominant directions: two directions separated by a hyphen (-) mean that the wind was from between these two directions.
(3) The following definitions are used in this table: Fog = Visibility less than 1100 yards: Mist or Haze = Visibility 1100 yards to 6½ miles: Good = Visibility 12 miles or over.
(4) A day of rain is one on which 0.01 inch or more of rain fell.

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT TABORA OBSERVATORY, IN 1949.

Latitude 5°02'S Longitude 32°49'E Altitude 4151 feet. Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature				Extremes of Temperature						Relative Humidity		Rainfall		
			Dry Bulb		Dew Point						Mean	Mean				Max. fall	
	0630	1430	0630	1430	0630	1430	Max.	Date	Min.	Date	Max.	Min.	Max. + Min. 2	Mean Range	0630	1430	Total	in 24 hrs.	Date
	mb.	mb.	°F	°F	°F	°F	°F		°F		°F	°F	°F	°F	%	%	ins.	ins.	
January	874.8	872.4	69.2	82.8	61.0	58.6	93.0	26	61.3	31	85.4	65.1	75.3	20.3	75	44	1.88	0.62	7
February	875.2	872.7	66.6	80.4	62.2	61.4	88.5	28	69.5	12	82.5	63.1	72.8	19.5	85	53	2.96	0.64	9
March	873.9	871.6	69.4	84.6	61.4	60.3	90.6	5	61.6	10	86.8	65.4	76.1	21.5	76	44	2.69	1.03	6
April	876.0	873.4	68.5	80.9	63.2	63.2	92.2	2	61.6	5	84.3	64.6	74.5	19.7	83	55	4.45	0.93	13
May	876.1	873.7	68.2	83.6	57.8	57.1	88.8	10	58.1	30	85.8	62.9	74.3	22.9	69	41	0.41	0.16	12
June	877.3	874.9	65.4	82.7	52.0	51.6	88.0	11	57.3	5	84.5	60.6	72.5	23.9	62	34	0.00	0.00	0
July	876.9	874.5	64.5	82.3	52.0	51.7	87.2	11	56.0	18,25	84.3	60.3	72.3	23.9	64	35	0.00	0.00	0
August	876.2	873.6	66.0	84.4	51.3	50.1	90.2	17	59.4	1	86.6	61.5	74.1	25.1	59	31	0.00	0.00	0
September	876.4	873.1	69.4	86.4	52.6	53.0	91.6	16	60.4	10	88.7	64.5	76.6	24.3	55	32	0.00	0.00	0
October	875.6	872.0	72.3	86.6	53.5	51.4	93.0	30,31	63.0	12	90.5	66.9	78.7	23.6	52	28	0.27	0.15	12
November	874.5	870.9	74.8	88.8	57.0	53.5	94.0	3	63.6	4	91.3	68.5	79.9	22.8	54	30	1.17	0.90	3
December	874.2	871.1	69.3	80.7	62.3	59.8	92.2	1	61.2	25	84.3	64.8	74.5	19.5	79	49	5.91	1.29	12
								Nov.		June									Dec.
Year	875.6	872.8	68.6	83.9	57.2	56.0	94.0	3	57.3	5	86.3	64.0	75.1	22.3	68	40	19.74	1.29	12

Month	Prevailing Wind Direction (2)		Mean Wind Speed		Cloud Amount (eighths) and Frequency of Total Cloud														Frequency of Visibility (3)						No. of days of	
					Total		Low		0630					1430					0630			1430			Rain (4)	Thunder
	0630	1430	0630	1430	0630	1430	0630	1430	0	1-2	3-5	6-7	8	0	1-2	3-5	6-7	8	Fog	Mist or Haze	Good	Fog	Mist or Haze	Good		
			knots	knots																						
January	E	N-SE	10	10	5.6	6.2	2.1	4.5	0	7	3	4	17	0	0	10	12	9	0	1	30	0	2	29	11	13
February	E/ESE	E	7	8	5.8	6.0	2.7	4.1	0	5	3	6	14	0	0	9	10	9	0	2	26	0	0	28	13	16
March	ESE	E	11	9	4.9	5.5	1.5	3.9	0	8	7	5	11	0	2	12	12	5	0	1	30	0	0	31	7	6
April	E/ESE	ESE/SE	11	8	5.8	6.0	2.5	5.4	0	5	4	10	11	0	0	10	16	4	0	2	28	0	0	30	21	15
May	ESE	E	15	10	4.1	5.5	0.1	4.4	0	12	6	10	3	0	1	13	16	1	0	0	31	0	0	31	4	6
June	ESE	E	17	9	2.4	3.6	0.0	2.1	4	17	4	4	1	0	7	17	5	1	0	0	30	0	0	30	0	0
July	ESE	SE/S	16	13	2.3	3.3	0.0	1.6	12	8	5	6	0	2	12	9	7	1	0	0	31	0	0	31	0	0
August	E/ESE	E-S	16	11	1.1	2.3	0.0	1.4	16	11	2	2	0	7	10	11	3	0	0	0	31	0	0	31	0	0
September	E	ESE/SE	17	11	2.2	3.3	0.3	2.2	8	13	4	3	2	4	7	14	4	1	0	3	27	0	1	29	0	0
October	E	E	17	11	4.3	4.6	0.6	2.6	2	9	7	11	2	0	6	13	9	3	0	0	31	0	0	31	2	2
November	E	E	9	8	4.0	5.6	0.5	4.3	0	10	9	8	3	0	0	12	15	3	0	0	30	0	0	30	8	4
December	ENE-SSW	E	5	8	5.4	5.7	2.4	4.5	0	7	3	9	12	0	1	10	15	5	0	0	31	0	0	31	19	21
Year	E/ESE	E	13	10	4.0	4.8	1.1	3.5	92	112	57	70	76	13	46	140	124	42	0	9	356	0	3	362	85	83

Notes: (1) Pressure is given at Station Level.

(2) Two wind directions separated by a solidus (/) mean that there were these two predominant directions: two directions separated by a hyphen (-) mean that the wind was from between these two points.

(3) The following definitions are used in this table: Fog = Visibility less than 1100 yards: Mist or Haze = Visibility 1100 yards to 6½ miles: Good = Visibility 12 miles or over.

(4) A day of rain is one on which 0.01 inch or more of rain falls.

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT TANGA, IN 1949

Latitude 5°04'S Longitude 39°06'E Altitude 30 feet. Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature				Extremes of Temperature								Relative Humidity		Rainfall		
			Dry Bulb		Dew Point														
	0830	1430	0830	1430	0830	1430	Max.	Date	Min.	Date	Mean Max.	Mean Min.	Max. + Min. 2	Mean Range	0830	1430	Total	Max. Fall in 24 hrs.	Date
	mb.	mb.	°F	°F	°F	°F	°F		°F		°F	°F	°F	°F	%	%	ins.	ins.	
January	-	-	79.3	64.7	73.2	74.2	90.1	29	71.1	14	86.9	74.4	80.7	12.5	82	71	0.25	0.15	21
February	-	-	80.0	85.9	73.4	74.8	89.2	25	70.1	13	88.5	74.9	81.7	13.6	80	70	1.24	1.15	12
March	-	-	82.2	87.6	75.0	74.8	91.4	20	73.1	1	89.7	76.2	82.9	13.5	79	66	0.64	0.40	28
April	-	-	79.8	86.1	74.5	74.5	92.1	6	72.1	27	86.0	74.7	81.3	13.3	64	69	3.73	0.85	11
May	-	-	77.8	84.1	72.9	73.3	86.4	13	66.9	31	85.8	73.0	79.4	12.8	85	70	6.41	2.12	6
June	-	-	75.6	82.1	70.0	69.4	85.1	9	66.1	22	83.7	70.5	77.1	13.2	83	66	1.66	0.59	16
July	-	-	72.7	80.8	69.0	69.0	84.1	2,19	67.1	12	82.0	69.8	75.9	12.2	89	69	7.52	2.43	13
August	-	-	72.1	80.6	66.6	66.1	85.4	28	65.1	11	82.2	68.5	75.3	13.7	89	66	2.03	0.51	1
September	-	-	73.9	81.7	69.2	67.7	86.1	16	66.1	9	83.3	68.5	75.9	14.8	85	63	1.80	0.63	25
October	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.88	1.26	27
November	-	-	Station transferred to Tanga Air Field w.e.f. 1st October, 1949.												-	-	2.44	1.37	17
December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.87	1.35	11
Year	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.47	2.43	July 13

Month	Prevailing Wind Direction (2)		Mean Wind Speed		Cloud Amount (eighths) and Frequency of Total Cloud													Frequency of Visibility (3)						No. of days of	
					Total		Low		0830					1430				0830			1430			Rain (4)	Thunder
	0830	1430	0830	1430	0830	1430	0830	1430	0	1-2	3-5	6-7	8	0	1-2	3-5	6-7	8	Fog	Mist or Haze	Good	Fog	Mist or Haze	Good		
			knots	knots																						
January	NE	SE	15	19	4.9	4.2	4.8	4.2	0	0	19	9	3	0	6	17	5	3	1	6	24	0	6	25	3	0
February	NE	SE	12	16	4.6	4.1	4.8	4.1	0	0	18	9	1	0	2	21	5	0	0	0	28	0	0	28	2	0
March	NE	SE	10	16	4.5	2.8	4.5	2.8	0	1	20	10	0	0	13	18	0	0	0	0	31	0	0	31	7	0
April	SW	SE	11	17	5.9	5.2	5.9	5.1	0	0	12	9	9	0	1	16	10	3	0	6	24	0	1	29	17	0
May	SW	SE	11	17	4.8	4.2	4.8	4.2	0	6	12	11	2	0	5	18	7	1	1	0	30	0	0	31	16	0
June	SW	SW	11	17	4.0	4.4	4.8	4.4	0	4	16	5	5	0	5	16	4	5	0	4	26	0	2	28	11	0
July	SW	SE	10	16	6.3	4.6	6.3	4.6	0	0	7	17	7	0	0	22	9	0	0	4	27	0	0	31	20	0
August	SW	SE	10	15	6.5	5.1	6.9	5.1	0	0	4	15	12	0	0	16	15	0	0	9	22	0	0	31	19	0
September	SW	SE	10	16	5.9	4.7	5.9	4.7	0	0	13	12	5	0	0	21	9	0	0	4	26	0	0	30	11	0
October	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-
November	-	-	Station transferred to Tanga Air Field w.e.f. 1st October, 1949.															-	-	-	-	-	-	-	9	-
December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	-
Year	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	139	-

Notes: (1) Pressure is given at Station Level.

(2) Two wind directions separated by a solidus (/) mean that there were these two predominant directions: two directions separated by a hyphen (-) mean that the wind was from between these two points.

(3) The following definitions are used in this table: Fog = Visibility less than 1100 yards: Mist or Haze = Visibility 1100 yards to 6½ miles: Good = Visibility 1c miles or over.

(4) A day of rain is one on which 0.01 inch or more of rain falls.

SUMMARY OF METEOROLOGICAL OBSERVATIONS TAKEN AT TANGA AIR FIELD, IN 1949.

Latitude 5°05'S Longitude 39°04'E Altitude 160 feet. Standard Time = G.M.T. + 3 hours.

Month	Atmospheric Pressure (1)		Temperature				Extremes of Temperature								Relative Humidity		Rainfall		
			Dry Bulb		Dew Point														
	0830	1430	0830	1430	0830	1430	Max.	Date	Min.	Date	Mean Max.	Mean Min.	Max. + Min. 2	Mean Range	0830	1430	Total	Max. Fall in 24 hrs.	Date
	mb.	mb.	°F	°F	°F	°F	°F		°F		°F	°F	°F	°F	%	%	ins.	ins.	
January																			
February																			
March																			
April																			
May																			
June																			
July	-	-	75.3	81.5	71.9	75.7	89.3	6	-	-	84.3	-	-	-	89	83	-	-	-
August	-	-	77.3	82.3	70.9	72.1	86.8	27,28	-	-	83.7	-	-	-	81	72	1.63	0.47	26
September	-	-	77.5	82.6	71.7	71.4	89.0	1	-	-	85.3	-	-	-	83	69	2.31	2.19	25
October	-	-	78.8	84.7	72.9	72.4	92.0	25	65.0	28	86.1	70.5	76.3	15.6	83	67	3.43	2.04	27
November	-	-	81.6	86.5	73.8	73.6	91.0	29	69.0	1	87.5	72.3	79.9	15.2	77	66	2.51	1.19	4
December	-	-	82.4	87.1	75.8	76.0	92.0	5	72.0	12,18	89.4	74.0	81.7	15.4	81	70	2.77	1.38	21
Year	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Month	Prevailing Wind Direction (2)		Mean Wind Speed		Cloud Amount (eighths) and Frequency of Total Cloud															Frequency of Visibility (3)						No. of days of	
					Total		Low		0830					1430						0830			1430				
	0830	1430	0830	1430	0830	1430	0830	1430	0	1-2	3-5	6-7	8	0	1-2	3-5	6-7	8	Fog	Mist or Haze	Good	Fog	Mist or Haze	Good	Rain (4)	Thunder
			knots	knots																						
January																										
February																										
March																										
April																										
May																										
June																										
July	SW/W	S	10	15	4.9	4.6	4.1	4.2	0	3	14	5	3	0	4	12	6	2	0	2	23	0	1	23	-	0
August	SW/W	S	9	16	5.6	3.7	5.1	2.5	0	3	9	11	7	0	7	16	7	0	0	2	28	0	0	30	10	0
September	SW/W	S	6	14	4.6	3.6	4.0	2.6	0	5	15	8	2	0	11	13	5	1	0	1	29	0	0	30	4	0
October	W	SE	3	13	5.7	2.8	4.5	2.0	0	0	13	14	3	0	15	15	0	0	0	2	28	0	0	30	10	0
November	E	E	2	12	5.2	2.7	3.8	1.8	0	2	14	11	3	0	16	14	0	0	0	1	29	0	0	30	6	0
December	NE	E	4	13	4.4	3.4	3.2	2.5	0	5	16	6	2	0	9	21	1	0	1	0	30	0	0	31	4	0
Year	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes: (1) Pressure is given at Station Level.
(2) Two wind directions separated by a solidus (/) mean that there were these two predominant directions: two directions separated by a hyphen (-) mean that the wind was from between these two directions.
(3) The following definitions are used in this table: Fog = Visibility less than 1100 yards: Mist or Haze = Visibility 1100 yards to 6½ miles: Good = Visibility 12 miles or over.
(4) A day of rain is one on which 0.01 inch or more of rain fall.