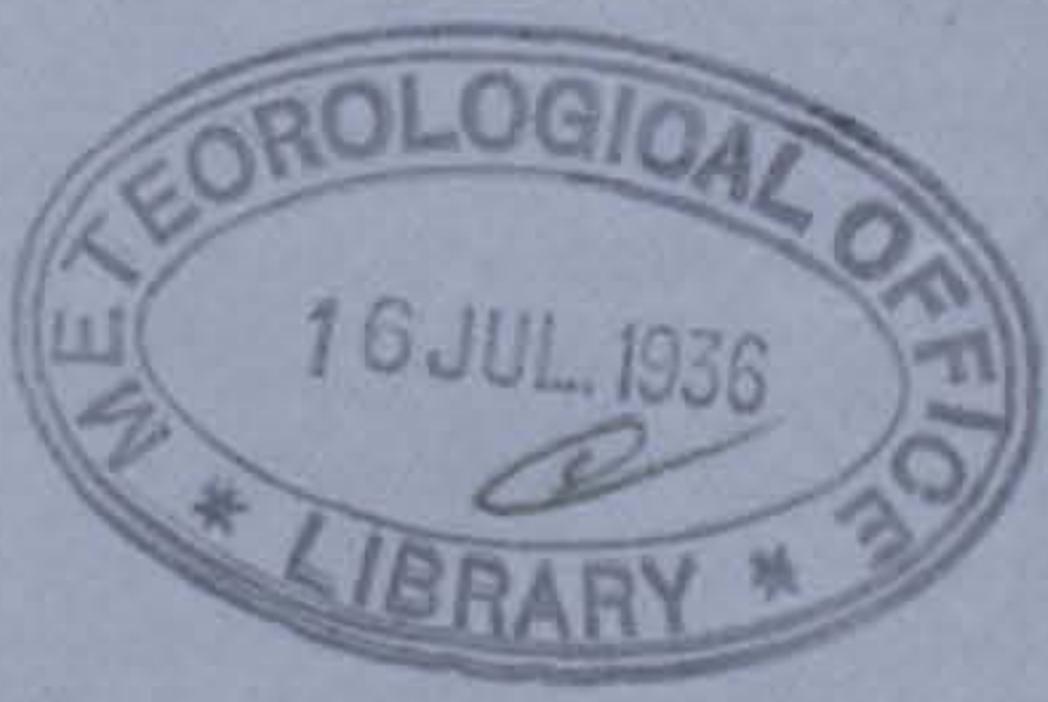


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UGANDA PROTECTORATE.



METEOROLOGICAL OBSERVATIONS

1935.

ENTEBBE:

PRINTED BY THE GOVERNMENT PRINTER.

SECTION 29.—METEOROLOGICAL OBSERVATIONS.

THE WEATHER OF 1935.

All Meteorological Stations have been under the control of the B.E.A. Meteorological Service throughout 1935.

In connection with the Service 104 Rainfall Stations have reported, including one First Order Station, fifteen Second Order Stations, one Third Order Station and five Rainfall Stations which were opened during the year.

The times of observation are the international hours—0600 G.M.T. and 1200 G.M.T. (8-30 a.m. and 2-30 p.m. Local Standard Time).

Only a summary of the observations at selected stations is given in this volume. Further information may be obtained on application to the B.E.A. Meteorological Service.

RAINFALL.

The total rainfall for the year was 1% above normal. January and July were unusually dry, the total rainfall for these months being 79% and 62% below normal respectively, while the total rainfall for February and June was high, being 86% and 89% above normal for these months.

With only a few exceptions the rainfall in all districts was very nearly normal, although individual stations frequently had fairly large departures. The abnormalities at certain stations are shown in the following table:—

Station.	Province.	Deviation.	Station.	Province.	Deviation.
		ins.			ins.
Entebbe ...	Buganda ...	+ 3.41	Moroto ...	Eastern
Kampala ...	" ...	+ 6.15	Bubulu ...	" Western ...	+ 1.11
Masaka ...	" ...	+ 8.30	Fort Portal ...	" ...	+ 1.29
Bukalasa ...	" ...	- 2.00	Busenyi ...	" ...	- 9.47
Mubende ...	" ...	- 5.11	Bunyaruguru ...	" ...	+ 6.49
Kalangala ...	" ...	+ 5.71	Kabale ...	" ...	+ 6.85
Jinja ...	Eastern ...	- 0.84	Butiti ...	" ...	- 3.77
Mbale ...	" ...	- 5.12	Kilelooney ...	" ...	- 1.76
Namasagali ...	" ...	- 1.73	Kitgum ...	Northern ...	- 3.81
Serere ...	" ...	- 2.75	Hoima ...	" ...	- 6.71
Bugondo ...	" ...	- 1.26	Gulu ...	" ...	+ 0.79
Ngetta ...	" ...	+ 3.45	Arua ...	" ...	+ 12.45

The highest fall for the year was 97.06 ins. at Nagoje, and the lowest 31.59 ins. at Mwirasundu. The greatest fall recorded in 24 hours was 6.26 on 13th November, at Entebbe.

TEMPERATURES.

Twenty-three Stations recorded temperatures during 1935. Of these, seventeen recorded readings of the Dry and Wet Bulb thermometers.

The highest temperature recorded was 100° F. at Budini in January, and the lowest 41.0° F. at Kabale in July.

The departures from normals for the various stations are shown below:—

Station.	Province.	Deviation (° F.).		Station.	Province.	Deviation (° F.).			
		Max.	Min.			Max.	Min.		
Entebbe ...	Buganda ...	- 0.6	- 0.9	Mbale ...	Eastern ...	- 0.7	- 0.1		
Kampala ...	" ...	- 0.1	- 0.2	Serere ...	" ...	+ 1.7	- 0.9		
Masaka ...	" ...	- 2.1	- 1.8	Ngetta ...	" ...	- 1.3	- 0.7		
Bukalasa ...	" ...	+ 0.5	...	Arua ...	Northern ...	+ 3.8	+ 1.0		

1935.	Station.	Lat.	Long.	Alt. ft.	Air Temperature.				Rainfall.					
					Mean.		Absolute Max.		Absolute Min.		Total ins.	No. of days		
					Max. °F.	Min. °F.	°F	Date.	°F	Date.				
Arwa ...	3° 01' N	30° 55' E	4,200	86.5	63.9	95.0	{ Jan., Feb.,	59.0	Sept. 6	..	62.95	94	2.71	Sept. 3
Gulu ...	2° 45' N	32° 20' E	3,700	85.2	62.9	97.0	Mar., Apr. ..	56.0	Feb. 5	..	60.27	122	2.58	June 28
Lira ...	2° 17' N	32° 56' E	3,710	86.0	61.5	96.5	Jan. 26, Mar. 31	49.1	Jan. 11	..	57.75	151	3.34	Aug. 28
Butiaba ...	1° 50' N	31° 20' E	2,020	84.5	71.4	91.0	Jan. 31 ..	62.4	July 30	..	34.13	110	3.71	Nov. 30
Hoima ...	1° 26' N	31° 20' E	3,800	83.3	60.9	94.0	Jan. 27, Feb. 1	53.0	Aug. 22	..	52.22	170	1.80	Aug. 28
Masindi ...	1° 41' N	31° 43' E	3,760	83.4	62.0	94.6	Jan. 26 ..	53.3	July 30	..	53.23	138	2.65	June 14
Serere ...	1° 31' N	33° 27' E	3,600	87.7	62.9	98.0	Feb. 1 & 11 ..	54.0	Feb. 23, 25	..	50.77	137	2.26	Sept. 11
Simsa ...	1° 44' N	33° 35' E	3,600	89.3	63.0	99.0	Jan., Feb., Mar.	56.0	Dec. 23	..	46.94	108	3.30	June 19
Soroti ...	1° 43' N	33° 37' E	3,700	87.6	64.0	98.0	Jan., Feb. ..	59.0	Apr., May	..	40.87	130	2.66	Mar. 9
Mbale ...	1° 06' N	34° 11' E	4,000	85.3	61.5	97.9	Jan. 30 ..	53.9	Jan. 26	..	40.85	158	1.93	April 13
Fort Portal ...	0° 40' N	30° 17' E	5,300	77.1	54.8	86.4	Jan. 27 ..	45.6	Jan. 17, Aug. 21	..	58.21	185	3.40	Feb. 4
Mubende ...	0° 35' N	31° 22' E	5,120	76.0	60.5	87.0	Jan. 26 ..	53.5	July 10	..	45.28	130	3.27	June 8
Budo ...	0° 16' N	32° 29' E	4,300	75.8	62.7	87.0	Nov. 14 to 16	58.0	Feb. 11	..	52.58	94	2.17	Sept. 26
Bukalasa ...	0° 43' N	32° 30' E	3,700	83.3	61.0	94.0	Feb. 2 ..	52.0	Dec. 21	..	50.00	145	2.85	Dec. 29
Kampala Government Plantation ...	0° 19' N	32° 35' E	3,900	81.3	60.5	91.0	Jan. 26 ..	53.0	June 1	..	57.82	149	3.11	Aug. 27
Jinja ...	0° 26' N	33° 12' E	3,880	81.8	63.6	94.0	Jan. 19 ..	58.0	Aug. 3, Sept. 11	..	44.33	108	2.24	Dec. 5
Budini ...	0° 56' N	33° 31' E	3,500	87.6	65.3	100.0	Jan. 19 ..	59.0	Dec. 8—13	..	46.43	108	2.53	May 9
Tororo ...	0° 40' N	34° 10' E	3,861	83.3	61.3	94.0	Feb. 1 & 2 ..	53.9	Jan. 10	..	63.99	152	2.67	May 9
Mbarara ...	0° 37' S	30° 39' E	4,800	79.7	57.9	88.5	Jan. 30 ..	50.9	July 17	..	33.72	109	2.43	Aug. 15
Masaka ...	0° 20' S	31° 44' E	4,200	78.2	59.8	85.9	Jan. 20 ..	51.4	Nov. 29	..	50.84	136	2.05	May 22
Kabale ...	1° 15' S	29° 59' E	6,000	71.8	49.7	82.2	Jan. 28 ..	41.0	July 15	..	41.84	168	2.02	June 11

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT ENTEBBE DURING THE YEAR 1935.

Latitude 0°40' N.

Longitude 32°29' E.

Altitude 3,878 ft.

Standard time 2 h. 30 m. East.

Reference Number 89-3202

Month,	Atmospheric Pressure. †		Temperature.				Vapour Pressure.		Saturation Deficit.		Relative Humidity.		Total Cloud Amt.		Number of Occasions of Cloud Amounts.					Rainfall.			Number of days of					
			Dry Bulb.		Dew Point.		8-30		14-30		8-30		14-30		8-30		14-30		0	1-3	4-6	7-9	10	Total.	Max. fall in. 24 hrs.	Date.	Rain	Thunder.
		8-30	14-30	8-30	14-30	8-30	14-30	8-30	14-30	8-30	14-30	8-30	14-30	8-30	14-30	mm.	ins.						mm.	ins.				
JANUARY	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%	5·3	3·2	4	7	5	11	4	17·5	0·69	0·44	5	4	—			
FEBRUARY	26·069	25·989	70·1	80·6	64·8	65·3	0·617	0·628	0·126	0·425	83	60	0	0	0	0	135·1	5·32	1·21	21	16	6						
MARCH	26·066	25·986	71·4	77·8	65·8	66·4	0·640	0·652	0·136	0·304	82	68	7·1	5·0	0	3	8	13	7	114·3	4·50	1·18	26	19	4			
APRIL	26·090	26·001	70·1	75·7	65·5	65·5	0·634	0·634	0·109	0·263	86	71	7·4	6·2	0	6	3	13	8	248·2	9·77	1·44	9	21	5			
MAY	26·122	26·031	68·2	73·7	64·8	65·3	0·616	0·628	0·077	0·210	89	75	7·5	6·2	0	6	2	10	13	259·6	10·22	2·30	9	20	5			
JUNE	—	—	67·5	73·5	64·0	64·9	0·602	0·619	0·076	0·216	89	74	7·8	6·7	0	2	7	9	12	118·6	4·67	1·09	2	15	3			
JULY	—	—	67·3	75·1	62·1	63·9	0·560	0·599	0·113	0·277	83	68	5·4	3·5	1	8	13	3	6	32·5	1·28	0·62	6	6	1			
AUGUST	26·104	26·034	68·2	75·4	62·6	63·9	0·572	0·596	0·121	0·289	83	67	4·9	5·5	3	10	7	6	5	45·0	1·77	0·92	4	5	4			
SEPTEMBER	26·102	26·013	69·2	75·1	63·9	64·8	0·597	0·617	0·124	0·260	83	70	6·2	6·2	1	6	7	11	5	119·4	4·70	2·47	27	9	4			
OCTOBER	26·090	26·001	70·0	76·5	63·9	64·4	0·599	0·608	0·139	0·310	81	66	6·5	6·3	0	6	7	12	6	100·3	3·95	2·23	25	8	4			
NOVEMBER	26·081	25·987	70·1	77·5	63·7	65·0	0·594	0·623	0·151	0·331	80	65	7·1	5·7	0	4	6	14	6	230·9	9·09	6·26	13	15	3			
DECEMBER	26·090	25·995	68·7	76·6	64·0	65·1	0·602	0·626	0·106	0·298	85	68	7·0	6·2	2	3	5	9	12	167·1	6·58	1·76	22	14	2			
Year ..	26·090	26·004	69·0	76·1	64·0	64·9	0·601	0·619	0·115	0·289	84	68	6·7	5·6	11	61	74	127	92	1588·5	62·54	6·26	13th	152	41			

† At Station level; corrected for Temperature and to standard gravity.

Month,	Frequency of Wind Directions at 8-30.								Calm.	Frequency of Wind Force at 8-30.		Mean Velocity of Wind.		Extremes of Temperature of the Air.								Frequency of Visibility at 8-30.						
	N	NE	E	SE	S	SW	W	NW		1-3	4-7	>7	8-30	14.30	Max.	Date.	Min.	Date.	Mean Max.	Mean Min.	Max. + Min. ÷ 2	Range.	Max.	Min.	Mean.	Fog.	Mist.	Good Vis.
										mph.	mph.	F.		F.		F.		F.		F.		F.		F.		F.		
JANUARY	2	0	1	3	0	5	7	13	0	27	4	0	6	19	84·8	19	59·5	2	82·1	62·8	72·5	23·5	14·1	19·3	0	0	31	
FEBRUARY	1	0	1	3	2	6	7	7	1	22	5	0	7	17	83·1	1	59·7	22	78·3	63·9	71·1	22·7	6·8	14·4	0	0	28	
MARCH	0	1	1	7	4	7	8	2	1	25	5	0	7	21	82·2	19	62·4	15	79·6	66·0	72·8	16·9	9·4	13·6	0	0	31	
APRIL	4	2	5	2	4	3	5	3	2	24	4	0	6	17	80·7	24	62·7	23	78·3	64·7	71·5	17·3	7·6	13·6	0	1	29	
MAY	2	4	3	4	3	5	4	6	0	23	8	0	9	13	78·9	30	58·8	29	76·3	63·0	69·7	18·3	7·4	13·3	0	3	28	
JUNE	3	0	3	3	0	5	4	11	1	25	4	0	7	11	78·8	11	59·6	26	75·8	62·7	69·3	16·8	8·2	13·1	0	1	29	
JULY	5	0	1	5	0	1	10	9	0	21	10	0	11	16	79·7	27	58·6	30	76·8	61·3	69·1	19·4	12·3	15·5	1	1	29	
AUGUST	7	3	3	1	1	3	6	7	0	22	9	0	11	17	80·0	25	58·1	17	77·3	61·5	69·4	20·4	6·7	15·8	0	0	31	
SEPTEMBER	12	5	3	1	0	0	1	8	0	18	12	0	12	16	84·7	23	58·1	11	79·1	62·0	70·5	22·1						

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT KOLolo HILL, KAMPALA, DURING THE YEAR 1935.

Latitude 0°20' N.

Longitude 32°36' E.

Altitude 4,290 ft.

Standard time 2h. 30m. East.

Reference Number 89-3210

Month.	Atmospheric Pressure. †		Temperature.				Vapour Pressure.		Saturation Deficit.		Relative Humidity.		Total Cloud Amt.		Number of Occasions of Cloud Amounts.					Rainfall.			Number of days of		
			Dry. Bulb.		Dew Point.		8-30	14-30	8-30	14-30	8-30	14-30	8-30	14-30	0	1-3	4-6	7-9	10	Total.	Max. fall in 24 hrs.	Date.	Rain.	Thunder.	
	8-30	14-30	8-30	14-30													mm.	ins.							
JANUARY	25.685	25.597	71.6	81.2	63.1	60.6	0.584	0.534	0.195	0.537	75	50	5.1	4.7	1	9	9	11	1	23.9	0.94	0.39	9	5	9
FEBRUARY	25.697	25.611	67.5	74.7	62.4	63.0	0.569	0.578	0.109	0.286	84	67	7.7	7.4	0	0	6	18	4	152.7	6.01	1.06	23	15	18
MARCH	25.676	25.594	69.6	77.4	64.9	65.1	0.619	0.622	0.110	0.325	85	66	7.3	6.8	0	1	12	16	2	95.8	3.77	1.02	27	17	20
APRIL	25.697	25.611	68.9	75.9	63.9	64.0	0.599	0.602	0.112	0.301	84	67	7.5	6.9	0	2	6	19	3	68.6	2.70	0.74	9	17	19
MAY	25.732	25.653	67.1	73.5	63.9	64.6	0.599	0.614	0.071	0.215	89	74	8.0	7.4	0	1	8	10	12	207.0	8.15	1.39	21	18	13
JUNE	25.741	25.670	66.4	72.0	63.1	63.7	0.584	0.593	0.071	0.198	89	75	7.9	7.6	0	1	7	17	5	141.2	5.56	2.04	8	14	12
JULY	25.753	25.697	66.7	75.2	60.4	60.4	0.531	0.528	0.130	0.351	80	60	6.2	6.1	3	5	6	12	5	3.6	0.14	0.11	6	3	15
AUGUST	25.723	25.656	67.5	75.6	61.3	61.0	0.546	0.540	0.132	0.351	80	61	5.8	7.2	2	8	5	13	3	101.3	3.99	2.19	27	5	22
SEPTEMBER	25.723	25.632	68.9	75.2	63.7	62.4	0.593	0.566	0.118	0.313	83	64	6.2	7.5	0	7	7	12	4	127.0	5.00	1.78	9	12	28
OCTOBER	25.712	25.623	69.1	74.8	63.1	63.1	0.582	0.582	0.156	0.289	79	67	7.0	7.7	0	2	8	17	4	132.1	5.20	1.54	14	12	28
NOVEMBER	25.706	25.609	70.3	78.6	62.8	63.7	0.576	0.594	0.171	0.392	77	60	7.0	7.2	0	1	13	10	6	107.2	4.22	1.88	13	13	24
DECEMBER	25.709	25.617	68.9	75.6	63.1	64.4	0.582	0.611	0.130	0.281	82	69	7.1	7.3	0	6	7	9	9	167.1	6.58	1.67	29	19	26
Year ..	25.713	25.631	68.5	75.8	63.0	63.0	0.583	0.580	0.125	0.320	82	65	6.9	7.0	6	43	94	164	53	1327.5	52.26	2.19	Aug. 27th	150	234

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

Month.	Frequency of Wind Directions at 8-30.								Calm.	Frequency of Wind Force at 8-30.		Extremes of Temperature of the Air.								Frequency of Visibility at 8-30.							
	N	NE	E	SE	S	SW	W	NW		1-3	4-7	>7	8-30	14-30	Max.	Date.	Min.	Date.	Mean Max.	Mean Min.	Max. + Min. ÷ 2	Range.	Fog.	Mist.	Good Vis.		
									mph.	mph.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.			
JANUARY	1	1	4	14	4	3	1	0	3	26	2	0	6	15	90.1	26	59.9	17	83.7	64.9	74.3	25.9	11.2	18.8	0	2	29
FEBRUARY	1	1	1	3	6	10	5	1	0	22	6	0	8	14	88.7	1	59.7	24	79.2	63.7	71.5	20.7	10.1	15.5	1	2	25
MARCH	0	0	2	4	10	9	5	1	0	25	6	0	9	14	84.0	18	60.1	24	80.2	65.3	72.7	20.5	11.3	14.9	0	0	31
APRIL	3	0	4	4	10	4	4	1	0	25	5	0	8	15	81.5	9	62.1	10.18	78.6	63.7	71.1	18.5	9.6	14.9	0	0	30
MAY	2	4	4	4	6	7	4	0	0	25	6	0	9	13	80.4	1	59.4	21	76.6	62.9	69.7	20.1	8.2	13.7	3	1	27
JUNE	8	2	3	1	5	3	2	6	0	28	2	0	8	10	80.8	11	58.8	26	75.6	62.6	69.1	16.9	8.7	13.0	1	1	28
JULY	10	4	0	2	5	4	3	3	0	29	2	0	6	3	84.6	27	58.8	1	77.2	62.1	69.7	22.5	9.0	15.1	0	5	26
AUGUST	14	6	1	2	3	2	3	0	0	28	3	0	7	12	84.0	1	57.0	27	79.0	61.3	70.1	24.8	6.7	17.7	0	1	30
SEPTEMBER	15	5	4	1	1	0	1	3	0	24	6	0	9	12	84.6	25	58.1	27	80.1	61.9	71.0	22.1	10.6	18.2	0	1	29
OCTOBER	8	8	1	5	1	1	3	4	0	29	2	0	7	10	84.7	24											



UGANDA PROTECTORATE.

METEOROLOGICAL OBSERVATIONS,
1936.

THE WEATHER OF 1936.

All Meteorological Stations have been under the control of the B.E.A. Meteorological Service throughout 1936.

In connection with the Service 107 Rainfall Stations have reported, including one First Order Station, fourteen Second Order Stations, one Third Order Station and seven Rainfall Stations which were opened during the year.

The times of observation are the international hours—0600 G.M.T. and 1200 G.M.T. (8-30 a.m. and 2-30 p.m. Local Standard Time).

Only a summary of the observations at selected stations is given in this volume. Further information may be obtained on application to the B.E.A. Meteorological Service.

RAINFALL.

The total rainfall for the year was 11% above normal. January, February and June were unusually wet the total rainfall for these months being 162%, 73% and 80% above normal respectively.

The abnormalities at certain stations are shown in the following table:—

Station.	Province.	Departure from normal.	Station.	Province.	Departure from normal.
Entebbe ...	Buganda ...	+ 13·63	Moroto ...	Eastern ...	+ 1·87
Kampala ...	" ...	+ 5·47	Bubulu ...	" ...	+ 15·83
Masaka ...	" ...	+ 9·42	Fort Portal ...	Western ...	+ 9·37
Bukalasa ...	" ...	+ 1·49	Busenyi ...	" ...	- 4·26
Mubende ...	" ...	+ 2·86	Bunyaruguru ...	" ...	- 13·22
Kalangala ...	" ...	+ 60·75	Kabale ...	" ...	+ 13·36
Jinja ...	Eastern ...	+ 1·96	Butiti ...	" ...	- 6·70
Mbale ...	" ...	+ 1·24	Kilelooney ...	" ...	- 5·14
Namasagali ...	" ...	+ 12·60	Kitgum ...	Northern ...	- 3·57
Serere ...	" ...	- 0·21	Hoima ...	" ...	- 2·25
Bugondo ...	" ...	+ 7·90	Gulu ...	" ...	- 2·76
Ngetta ...	" ...	+ 3·33	Arua ...	" ...	- 0·65

The highest fall for the year was 140·23 ins. at Kalangala, and the lowest 28·57 ins. at Butiaba. The greatest fall recorded in 24 hours was 7·35 on 19th April, at Kyanamukaka.

TEMPERATURES.

Twenty-three Stations recorded temperatures during 1936. Of these, seventeen recorded readings of the Dry and Wet Bulb thermometers.

The highest temperature recorded was 97°F. at Serere in January, and the lowest 37°F. at Kabale in August.

The departures from normals for the various stations are shown below:—

Station.	Province.	Departure from normal. (°F).		Station.	Province.	Departure from normal. (°F).	
		Max.	Min.			Max.	Min.
Entebbe ...	Buganda ...	- 1·3	- 0·9	Mbale ...	Eastern ...	- 2·3	- 0·4
Kampala ...	" ...	- 0·5	- 0·1	Serere ...	" ...	+ 0·9	- 0·3
Masaka ...	" ...	- 3·1	- 0·6	Ngetta ...	" ...	- 2·0	- 0·6
Bukalasa ...	" ...	- 0·1	+ 0·5	Arua ...	Northern ...	+ 1·4	+ 2·5

1936.	Station.	Lat.	Long.	Alt. ft.	Air Temperature.						Rainfall.			
					Mean.		Absolute Max.		Absolute Min.		Total ins.	No. of days	Max. in 24 hours.	
					Max. °F	Min. °F	°F	Date.	°F	Date.			Amt. ins.	Date.
Arua ...	3° 01' N	30° 55' E	4,200	84·1	65·4	95·0	Feb. 5, Nov. 23	60·0	June, Sept. ..	50·83	146	2·50	Aug. 11	
Gulu ...	2° 45' N	32° 20' E	3,642	84·6	62·8	94·0	Jan., Feb. ..	58·0	Jan. 15, Dec. 28	56·76	121	1·84	Feb. 20	
Lira ...	2° 17' N	32° 56' E	3,612	85·3	61·6	96·0	February 8 ..	55·1	January 15 ..	58·40	156	2·29	Sept. 2	
Butiaba ...	1° 50' N	31° 20' E	2,036	84·1	71·4	89·7	March 21 ..	65·0	December 3 ..	28·57	100	2·27	April 19	
Hoima ...	1° 26' N	31° 22' E	3,800	81·7	61·2	90·0	February 2 ..	55·0	July 15 ..	56·29	162	2·02	Feb. 20	
Masindi ...	1° 41' N	31° 43' E	3,760	82·8	62·6	92·4	November 22 ..	54·0	December 5 ..	50·16	151	3·50	Feb. 9	
Serere ...	1° 31' N	33° 27' E	3,600	86·9	63·5	97·0	January 21 ..	57·0	June 1, 2 ..	59·19	135	3·79	Feb. 20	
Simsa ...	1° 44' N	33° 35' E	3,600	89·0	61·4	96·0	Jan., Feb., Nov. ..	56·0	Jan., Nov. ..	48·75	110	2·30	April 10	
Soroti ...	1° 43' N	33° 37' E	3,655	86·0	65·4	95·0	Feb. 5, 6, Nov. 23	59·0	June 25 ..	45·56	103	2·31	May 30	
Mbale ...	1° 06' N	34° 11' E	4,000	83·7	61·2	94·4	November 22 ..	55·0	August 17 ..	47·04	180	2·64	April 2	
Fort Portal ...	0° 40' N	30° 17' E	5,050	77·3	55·0	84·4	February 2 ..	43·9	July 15 ..	66·37	178	4·30	Sept. 14	
Mubende ...	0° 35' N	31° 22' E	5,128	75·4	60·6	83·0	Jan., 31, Feb. 7	55·0	July 31 ..	50·18	129	2·22	Aug. 24	
Budo ...	0° 16' N	32° 29' E	4,300	75·4	62·3	82·0	March, May ..	56·0	Dec. 18, 19, 20, 21	55·46	135	2·88	April 25	
Bukalasa ...	0° 43' N	32° 30' E	3,700	82·7	61·5	92·0	Feb., March, Nov., Dec. ..	54·0	July 14 ..	53·36	154	2·09	April 19	
Kampala Government Plantation ...	0° 19' N	32° 35' E	3,900	80·8	60·6	88·0	Nov. 22 ..	52·0	July 11 ..	55·51	164	2·22	April 20	
Jinja ...	0° 26' N	33° 12' E	3,879	81·3	63·4	90·0	Nov. 22, 23 ..	57·0	August 18 ..	47·14	126	2·80	Jan. 23	
Budini ...	0° 56' N	33° 31' E	3,500	86·7	63·5	96·0	Mar., Nov., Dec. ..	56·0	July 14 ..	51·25	161	2·77	Jan. 7	
Tororo ...	0° 40' N	34° 10' E	4,045	82·7	61·5	90·1	Feb. 5, Nov. 20, 21	56·0	August 28 ..	54·25	166	2·51	Mar. 13	
Mbarara ...	0° 37' S	30° 39' E	4,721	79·0	57·7	88·0	November 18 ..	50·0	August 2 ..	35·69	122	1·87	Feb. 13	
Masaka ...	0° 20' S	31° 44' E	4,327	77·2	61·0	87·0	February 5 ..	56·1	June 25 ..	52·16	150	3·27	April 19	
Kabale ...	1° 15' S	29° 59' E	6,139	..	50·6	37·0	August 15 ..	48·93	172	2·27	Jan. 4	

Summary of Meteorological Observations at Kololo Hill, Kampala, During the Year 1936.

Latitude 0°20' N.

Longitude 32°36' E.

Altitude 4,306 ft.

Standard time 2h. 30m. East.

Reference Number 89-3210.

Month.	Atmospheric Pressure. †		Temperature.				Vapour Pressure.		Saturation Deficit.		Relative Humidity.		Total Cloud Amt.		Number of Occasions of Cloud Amounts, 8-30.						Rainfall.				Number of days of		
			Dry 8-30	Bulb. 14-30	Dew Point.		8-30	14-30	8-30	14-30	8-30	14-30	8-30	14-30	0	1-3	4-6	7-9	10	Total mm.	Max. fall in ins.	Date 24 hrs.	Rain.	Thunder.			
	8-30	14-30	8-30	14-30	8-30	14-30	8-30	14-30	8-30	14-30	8-30	14-30	8-30	14-30	8-30	14-30	8-30	14-30	8-30	14-30	8-30	14-30	8-30	14-30			
JANUARY	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%	88	67	7·5	7·4	1	2	5	11	12	68·1	2·68	0·58	5	17	19
FEBRUARY	25·703	25·617	66·7	75·7	63·1	64·0	0·582	0·602	0·079	0·295	88	67	7·5	7·4	0	1	4	12	12	66·8	2·63	1·03	6	14	13		
MARCH	25·703	25·614	69·2	78·6	64·9	64·9	0·620	0·623	0·100	0·363	86	63	6·3	5·7	1	6	9	7	8	181·6	7·15	1·59	31	16	12		
APRIL	25·723	25·638	67·0	74·5	64·9	64·9	0·620	0·623	0·044	0·236	93	73	6·9	5·9	0	3	10	11	6	377·7	14·87	2·91	20	21	15		
MAY	25·718	25·644	69·9	76·3	65·8	65·3	0·641	0·629	0·097	0·283	87	69	7·0	6·7	0	2	12	12	5	64·5	2·54	0·69	15	11	8		
JUNE	25·765	25·703	66·4	72·9	62·6	62·6	0·573	0·573	0·080	0·242	88	70	8·0	7·3	0	0	3	19	8	138·9	5·47	1·98	3	16	15		
JULY	25·777	25·721	66·0	74·4	62·1	60·6	0·561	0·534	0·083	0·325	87	62	6·9	7·3	1	4	9	9	8	19·3	0·76	0·40	11	10	8		
AUGUST	25·747	25·676	66·2	74·3	61·9	61·9	0·558	0·558	0·091	0·298	86	65	6·2	7·1	3	3	10	7	8	43·2	1·70	0·42	19	13	12		
SEPTEMBER	25·744	25·656	67·4	74·6	63·5	63·5	0·590	0·590	0·009	0·275	87	68	6·9	7·2	3	1	7	13	6	89·4	3·52	0·72	14	16	15		
OCTOBER	25·726	25·629	70·0	75·3	63·9	64·4	0·599	0·608	0·139	0·278	81	69	5·5	6·9	4	6	6	14	1	87·6	3·45	0·83	26	17	17		
NOVEMBER	25·709	25·611	70·8	78·1	62·8	63·1	0·576	0·582	0·186	0·387	76	60	6·8	6·5	1	3	9	14	3	91·7	3·61	1·32	24	14	9		
DECEMBER	25·703	25·614	69·0	76·6	61·5	62·4	0·552	0·570	0·165	0·354	77	62	6·8	6·8	4	0	8	14	5	112·8	4·44	2·32	20	15	7		
Year ..	25·727	25·645	68·0	75·6	63·5	63·5	0·591	0·592	0·100	0·303	86	66	6·9	6·8	18	31	92	143	82	1341·6	52·82	2·91	April 20th	180	150		

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

Month.	Frequency of Wind Directions at 8-30.								Frequency of Wind Force at 8-30.	Calm.	Extremes of Temperature of the Air.								Frequency of Visibility at 8-30.								
	N	NE	E	SE	S	SW	W	NW			8-30	14-30	Max.	Date.	Min.	Date.	Mean Max.	Mean Min.	Max. + Min. ÷ 2	Range.							
											mph.	mph.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	Fog.	Mist.	Good Vis.		
JANUARY	2	4	3	6	4	8	1	0	3	25	3	0	6	10	82·8	31	58·8	24	78·8	63·3	71·1	19·1	10·2	15·5	1	2	28
FEBRUARY	4	2	1	3	5	2	5	5	2	25	2	0	6	11	85·1	4	59·0	6	78·3	63·7	71·0	24·5	6·0	14·6	3	0	26
MARCH	0	2	1	2	14	2	5	3	2	26	3	0	9	14	85·1	10	58·6	3	80·6	63·9	72·3	22·5	12·1	16·7	0	1	30
APRIL	2	2	3	4	6	9	4	0	0	20	10	0	11	12	81·0	24	59·7	27	77·5	63·3	70·4	18·2	9·7	14·2	1	0	29
MAY	2	0	2	3	15	7	1	1	0	24	7	0	8	15	81·9	27	61·7	15	78·6	64·9	71·7	18·7	7·7	13·7	0	0	31
JUNE	3	0	3	3	11	6	3	0	1	21	8	0	10	17	80·2	2	58·1	4	75·4	62·2	68·8	19·9	7·9	13·2	0	0	30
JULY	5	2	3	1	7	5	2	6	0	28	3	0	8	16	84·0	28	58·3	31	76·6	62·1	69·3	22·1	6·6	14·5	2	14	15
AUGUST	16	5	1	1	2	1	1	4	0	23	8	0	9	13	84·2	7	58·3	17	78·3	61·5	69·9	24·1	10·8	16·8	1	10	20
SEPTEMBER	8	6	4	2	0	3	1	6	0	26	4	0	8	10	85·3	27	58·3	26	78·8	62·1	70·5	23·4					

Summary of Meteorological Observations at Entebbe During the Year 1936.

Latitude 0° 04' N.

Longitude 32° 29' E.

Altitude 3,878 ft.

Standard time 2h. 30m. East.

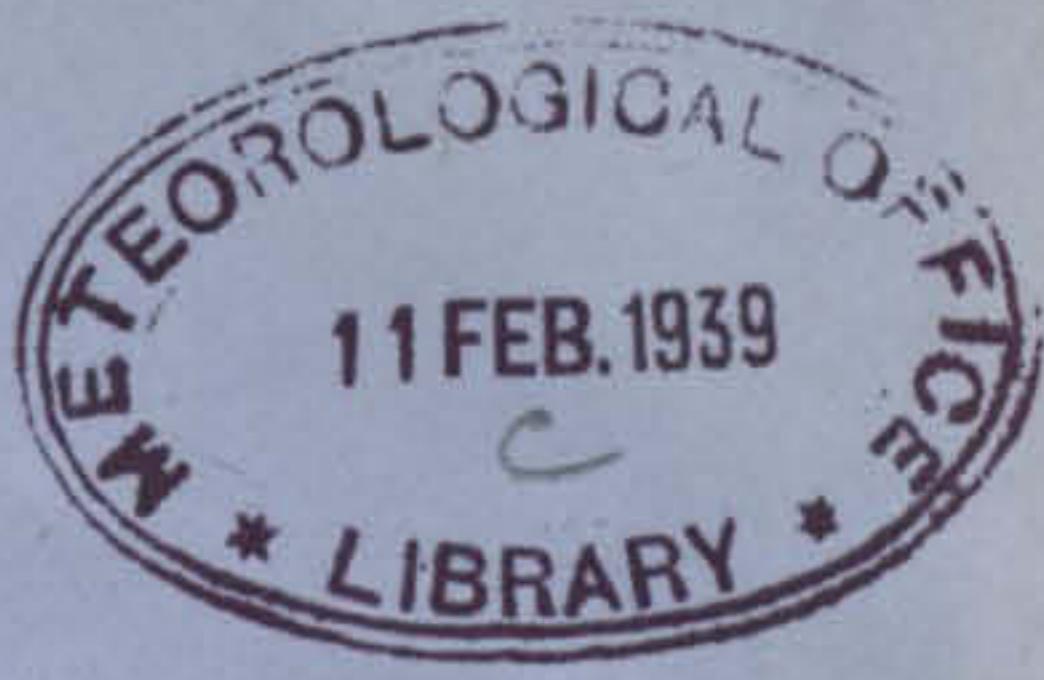
Reference Number 89-3202.

Month.	Atmospheric Pressure, †		Temperature.				Vapour Pressure.		Saturation Deficit.		Relative Humidity.		Total Cloud Amt.		Number of Occasions of Cloud Amounts, 8-30.					Rainfall.				Number of days of	
			Dry Bulb.		Dew Point.		8-30	14-30	8-30	14-30	8-30	14-30	8-30	14-30	0	1-3	4-6	7-9	10	Total.	Max. fall in. 24 hrs.	Date.	Rain	Thunder.	
		8-30	14-30	8-30	14-30	8-30	14-30													mm.	ins.				
JANUARY	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%	8·1	6·2	1	3	3	7	17	117·1	4·61	1·39	3	19	7
FEBRUARY	26·084	25·995	67·4	75·7	64·4	66·0	0·608	0·647	0·071	0·251	90	72	9·1	7·4	0	0	3	8	18	112·8	4·44	1·61	16	17	4
MARCH	26·090	25·995	68·0	75·1	65·1	66·9	0·626	0·664	0·065	0·213	91	76	6·8	5·6	1	4	9	7	10	214·1	8·43	1·28	2	16	2
APRIL	26·078	25·989	69·8	77·7	66·0	66·9	0·643	0·664	0·092	0·292	88	69	8·7	6·6	0	2	2	8	18	417·1	16·42	4·20	18	24	2
MAY	26·102	26·016	68·3	74·0	64·8	65·7	0·617	0·638	0·083	0·207	88	76	7·5	5·5	0	1	8	17	5	154·7	6·09	1·48	1	17	2
JUNE	26·093	26·022	71·2	76·3	66·0	66·6	0·646	0·658	0·125	0·254	84	72	8·5	6·6	0	1	3	12	14	336·0	13·23	2·34	4	22	0
JULY	26·140	26·078	68·2	73·9	63·1	64·4	0·584	0·608	0·109	0·236	84	72	6·8	6·1	0	4	10	7	10	90·9	3·58	1·07	5	11	0
AUGUST	26·152	26·099	67·9	73·6	62·1	63·5	0·561	0·591	0·124	0·245	82	71	6·8	6·1	0	6	10	3	12	37·6	1·48	1·10	2	5	0
SEPTEMBER	26·119	26·051	67·3	75·1	62·2	63·3	0·564	0·587	0·109	0·290	84	67	6·7	5·4	0	6	10	9	9	46·2	1·82	0·54	13	10	6
OCTOBER	26·119	26·037	68·2	74·8	63·0	63·9	0·579	0·599	0·115	0·272	83	69	6·6	6·0	0	7	7	7	9	93·2	3·67	2·14	27	10	3
NOVEMBER	26·104	26·007	70·2	77·7	63·9	64·6	0·599	0·614	0·145	0·343	81	64	6·8	6·1	0	6	7	8	10	135·4	5·33	1·80	6	12	0
DECEMBER	26·087	25·995	69·6	77·8	63·9	64·9	0·599	0·620	0·130	0·337	82	65	7·1	4·9	0	5	6	8	11	95·0	3·74	1·08	20	16	1
Year ..	26·104	26·023	68·7	75·7	64·1	65·1	0·602	0·624	0·106	0·271	85	70	7·5	6·0	6	41	72	99	148	1850·1	72·84	4·20	April 18th	179	27

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

Month.	Frequency of Wind Directions at 8-30.								Calm.	Frequency of Wind Force at 8-30.		Mean Velocity of Wind.		Extremes of Temperature of the Air.								Frequency of Visibility at 8-30.					
	N	NE	E	SE	S	SW	W	NW		1-3	4-7	>7	8-30	14-30	Max.	Date.	Min.	Date.	Mean Max.	Mean Min.	Max. + Min. ÷ 2	Range.	Fog.	Mist.	Good Vis.		
													mph.	mph.	F.	F.	F.	F.	F.	F.	F.	F.					
JANUARY	5	2	1	2	4	2	8	5	2	26	3	0	5	12	82·0	5	57·2	12	77·8	63·0	70·4	21·0	8·0	14·7	1	3	27
FEBRUARY	5	1	1	5	2	0	5	10	0	25	4	0	7	10	81·2	6	61·3	11	77·0	64·2	70·6	17·6	5·1	12·8	1	2	26
MARCH	6	1	1	5	3	3	7	5	0	31	0	0	6	11	82·4	23	60·7	31	79·2	64·1	71·7	19·0	9·1	15·1	0	4	27
APRIL	4	1	1	4	5	3	6	6	0	29	1	0	6	9	80·7	24	60·4	19	77·0	63·8	70·4	16·8	7·0	13·2	0	4	26
MAY	2	3	0	9	4	6	5	2	0	30	1	0	5	10	80·3	29	62·2	15	78·1	65·0	71·5	16·5	9·4	13·1	0	2	29
JUNE	1	0	1	6	7	5	6	0	4	24	2	0	5	7	79·8	1	59·7	28	75·9	62·9	69·4	16·2	8·0	13·0	0	4	26
JULY	7	4	2	2	5	2	7	2	0	31	0	0	3	5	81·1	28	59·0	31	75·8	61·8	68·8	18·1	6·2	14·0	0	2	29
AUGUST	16	3	1	3	1	0	1	6	0	31	0	0	3	5	84·0	18	58·0	15	77·6	61·7	69·7	24·0	10·0	15·9	0	0	31
SEPTEMBER	15	3	1	2	2	0	6	1	0	30	0	0	3	5	81·4	25	59·0	26	77·6	62·4	70·0	20·9	4·7	15·2	0	0	30
OCTOBER	13	3	1	2	2	3	5	0	31	0	0	3	6	83·2	11	60·0	2	80·									

28016



UGANDA PROTECTORATE.

METEOROLOGICAL OBSERVATIONS.
1937.

BRITISH EAST AFRICAN METEOROLOGICAL SERVICE.

All Meteorological Stations have been under the control of the B.E.A. Meteorological Service throughout 1937.

In connection with the Service 123 Rainfall Stations have reported, including one First Order Station, fourteen Second Order Stations, one Third Order Station and eighteen Rainfall Stations which were opened during the year.

The times of observations are :—

8.30 a.m. and 2.30 p.m. Local Standard Time. This corresponds to 0545 G.M.T. and 1145 G.M.T.

When the standard time was changed at the beginning of 1937, it was considered inadvisable to alter the local times of observation so that, in reality, the observations are now made 15 minutes earlier than the International Times of 0600 G.M.T. and 1200 G.M.T.

Only a summary of the observations at selected stations is given in this volume. Further information may be obtained on application to the B.E.A. Meteorological Service.

Rainfall.

The total rainfall for the year was 8% above normal. November was unusually wet, the total rainfall being 94% above average.

The abnormalities at certain stations are shown in the following table :—

Station.	Province.	Departure from normal.	Station.	Province.	Departure from normal.
Entebbe ..	Buganda ..	+ 7.80	Bubulu ..	Eastern ..	+ 6.79
Kampala ..	" ..	+ 5.15	Fort Portal ..	Western ..	+ 7.29
Masaka ..	" ..	+ 2.48	Busenyi ..	" ..	+ 3.33
Bukalasa ..	" ..	- 1.00	Bunyaruguru ..	" ..	+ 7.63
Mubende ..	" ..	+ 3.01	Kabale ..	" ..	+ 18.01
Kalangala ..	" ..	+ 44.86	Butiti ..	" ..	+ 17.12
Jinja ..	Eastern ..	- 2.14	Kilelooney ..	" ..	+ 4.37
Mbale ..	" ..	+ 14.78	Hoima ..	Northern ..	- 1.68
Namasagali ..	" ..	- 2.34	Gulu ..	" ..	+ 20.76
Serere ..	" ..	+ 6.12	Arua ..	" ..	+ 10.05
Bugondo ..	" ..	- 5.92	Ngetta ..	Eastern ..	- 3.45

The highest fall for the year was 129.02 inches at Kalangala, and the lowest 29.33 inches at Mwirasan du. The greatest fall recorded in 24 hours was 4.09 inches on the 3rd April at Mutai.

Temperatures.

Thirty-two Stations recorded temperatures during 1937. Of these twenty-four recorded readings of the Dry and Wet Bulb thermometers.

The highest temperature recorded was 99.0°F. at Katakwi in January and February and at Buwalasi in January, and the lowest 41.5°F. at Kabale in June.

The departures from normals for the various stations are shown below :—

Station.	Province.	Departure from normal. (°F)		Station.	Province.	Departure from normal. (°F)	
		Max.	Min.			Max.	Min.
Entebbe ..	Buganda ..	- 0.5	0.0	Jinja ..	Eastern ..	0.0	0.0
Kampala ..	" ..	- 0.3	+ 0.1	Serere ..	" ..	+ 0.4	+ 0.7
Masaka ..	" ..	- 1.4	- 0.3	Ngetta ..	" ..	- 0.3	- 0.3
Bukalasa ..	" ..	+ 0.3	+ 0.3	Arua ..	Northern ..	- 1.0	+ 0.2

1937.	Station.	Lat.	Long.	Alt. ft.	Air Temperature.						Rainfall.			
					Mean.		Absolute Max.		Absolute Min.		Total ins.	No. of days	Max. in 24 hours.	
					Max. °F	Min. °F	°F	Date.	°F	Date.			Amt. ins.	Date.
Arua ..	3° 01' N	30° 55' E	4,200	84.1	64.8	95.0	February 13 ..	60.0	January 7	61.92	123	2.83	Sept. 5
Gulu ..	2° 45' N	32° 20' E	3,701	83.8	..	94.0	Jan. 23, Feb. 16	80.12	146	3.28	Feb. 25
Lira ..	2° 17' N	32° 56' E	3,592	85.4	61.6	97.2	February 22 ..	53.0	December 8	51.68	145	3.77	May 15
Butiaba ..	1° 50' N	31° 20' E	2,036	83.9	71.8	95.6	June 23 ..	62.1	September 30	32.10	108	2.37	Nov. 22
Hoima ..	1° 26' N	31° 22' E	3,800	82.7	62.1	91.0	Feb. 17, Mar. 6, 8 ..	55.0	January 4	56.90	166	2.70	March 9
Masindi ..	1° 41' N	31° 43' E	3,760	82.8	62.8	92.0	Jan. 18, 23 ..	57.8	December 20	60.78	156	2.72	May 11
Serere ..	1° 31' N	33° 27' E	3,600	86.9	64.5	96.0	May 9 ..	51.0	February 7	59.80	151	2.14	Aug. 1
Soroti ..	1° 43' N	33° 37' E	3,655	85.8	64.2	96.0	February 22 ..	57.0	February 24	52.31	137	3.07	April 19
Mbale ..	1° 06' N	34° 11' E	4,003	83.9	61.2	92.2	Jan. 18, 22 ..	54.5	September 28	60.53	193	3.13	June 24
Fort Portal ..	0° 40' N	30° 17' E	5,049	76.9	55.6	86.0	February 14 ..	48.1	September 6	64.53	198	3.62	Feb. 23
Mubende ..	0° 35' N	31° 22' E	5,095	76.0	60.7	84.0	March 7 ..	56.0	May 18, Dec. 19	50.43	135	2.78	April 13
Budo ..	0° 16' N	32° 29' E	4,300	75.4	62.0	83.0	March 11 ..	58.0	Feb., July, Aug., Nov.	52.43	106	3.28	Feb. 5
Bukalasa ..	0° 43' N	32° 30' E	3,700	83.3	61.4	93.0	March 6 ..	53.0	December 20	50.96	168	2.75	Feb. 7
Kampala Government Plantation ..	0° 19' N	32° 35' E	3,900	81.2	60.9	87.0	Jan., Feb., Mar., Sept. ..	53.0	January 8	50.74	148	3.28	Feb. 6
Jinja ..	0° 26' N	33° 12' E	3,879	81.9	63.5	88.0	Sept. 20, 21 ..	57.5	August 18	43.08	131	2.45	April 27
Budini ..	0° 56' N	33° 31' E	3,500	87.4	63.3	96.0	Feb. 15, 16 ..	55.0	December 20	59.61	145	2.85	April 8
Tororo ..	0° 40' N	34° 10' E	4,045	83.0	61.4	91.0	February 22 ..	55.0	December 10	51.80	188	2.55	April 8
Mbarara ..	0° 37' S	30° 39' E	4,734	78.9	59.3	86.1	January 22 ..	53.5	June 12	40.59	141	2.32	Sept. 25
Masaka ..	0° 20' S	31° 44' E	4,307	77.2	60.9	85.0	January 9, 10 ..	57.0	November 12	45.53	152	2.07	Oct. 8
Kabale ..	1° 15' S	29° 59' E	6,139	73.2	50.8	79.5	September 3 ..	41.5	June 11	54.42	157	2.98	March 21
Bulindi ..	1° 28' N	31° 28' E	3,400	84.5	60.0	93.0	Feb. 14, 15, 16 ..	52.0	Jan 4, Dec 20, 22	53.21	144	2.38	April 17
Dabani C.M.S. ..	0° 28' N	34° 05' E	4,000	86.2	61.8	97.0	January 28 ..	55.0	December 22	66.68	190	2.02	March 31
Koja ..	0° 07' N	34° 42' E	3,750	76.9	68.8	84.0	January 8	July, Aug., Nov.	61.57	144	2.41	May 12
Makimuga ..	0° 45' N	30° 06' E	3,000	84.4	63.6	94.0	Feb. 12, May 7 ..	60.0	Often	56.86	186	2.97	July 19
Katakwi ..	1° 54' N	33° 38' E	3,900	89.9	69.2	99.0	Jan., Feb. ..	60.0	Often	42.31	131	3.31	March 13
Buwalasi College ..	1° 11' N	34° 17' E	5,000	80.7	63.3	99.0	Jan. 24 ..	58.0	Jan. 20, Nov. 26	62.04	136	3.23	Aug. 12

Summary of Meteorological Observations at Kololo Hill, Kampala, 1937.

Latitude 0°20' N.

Longitude 32°36' E.

Altitude 4,306 ft.

Standard time 2h. 45m. East.

Reference Number 89-3210.

Month.	Atmospheric Pressure. †		Temperature.				Vapour Pressure.		Saturation Deficit.		Relative Humidity.		Total Cloud Amt.		Number of Occasions of Cloud Amounts.					Rainfall.			Number of days of				
			Dry 8-30	Bulb. 14-30	Dew Point. 8-30	Dew Point. 14-30	8-30	14-30	8-30	14-30	8-30	14-30	8-30	14-30	0	1-3	4-6	7-9	10	Total mm.	Max. ins.	fall in 24 hrs.	Date	Rain.	Thun-		
	8-30	14-30	8-30	14-30	8-30	14-30	8-30	14-30	8-30	14-30	8-30	14-30	8-30	14-30	0	1-3	4-6	7-9	10	mm.	ins.	24 hrs.	Date	Rain.	Thun-		
JANUARY	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%	76	51	6·5	6·0	5	4	3	11	8	12·7	0·50	0·24	26	7	8
FEBRUARY	25·700	25·603	69·5	79·6	61·7	59·9	0·555	0·520	0·171	0·496	85	60	8·0	7·1	0	4	1	11	12	111·0	4·37	3·45	6	11	11		
MARCH	25·679	25·600	68·5	77·8	64·9	64·0	0·591	0·585	0·103	0·395	88	63	7·9	7·3	0	3	4	13	11	82·3	3·24	1·22	8	16	16		
APRIL	25·712	25·638	68·3	73·9	65·3	65·7	0·620	0·602	0·083	0·358	90	76	7·7	7·6	0	3	3	18	6	248·2	9·77	1·86	29	22	19		
MAY	25·741	25·676	66·8	73·7	64·9	65·3	0·620	0·629	0·041	0·213	94	75	8·1	7·3	0	0	6	15	10	196·3	7·73	1·68	10	23	10		
JUNE	25·756	25·703	65·8	73·7	64·0	63·9	0·602	0·599	0·039	0·240	94	71	7·9	7·7	1	2	4	11	12	63·8	2·51	1·02	20	15	14		
JULY	25·750	25·703	65·5	72·8	63·7	64·0	0·594	0·602	0·038	0·213	94	74	8·3	8·1	0	0	8	10	13	97·8	3·85	1·57	15	10	9		
AUGUST	25·741	25·679	67·0	76·3	64·4	65·1	0·608	0·623	0·056	0·290	92	68	6·6	6·6	1	4	11	7	8	16·3	0·64	0·32	9	6	12		
SEPTEMBER	25·735	25·647	68·9	79·0	63·3	64·0	0·588	0·602	0·124	0·396	83	60	6·2	6·4	1	3	13	11	2	73·2	2·88	1·06	25	12	20		
OCTOBER	25·727	25·635	68·1	76·7	64·4	64·9	0·611	0·620	0·083	0·304	88	67	7·5	7·2	0	2	6	17	6	88·6	3·49	0·67	22	15	18		
NOVEMBER	25·720	25·632	65·9	75·0	63·9	64·4	0·597	0·611	0·044	0·266	93	70	8·0	7·3	0	1	7	9	13	256·8	10·11	2·42	7	23	10		
DECEMBER	25·691	25·611	68·0	78·0	63·1	64·2	0·585	0·605	0·106	0·364	85	63	7·0	6·9	1	4	6	16	4	56·6	2·23	1·09	14	10	11		
Year ..	25·722	25·645	67·5	76·2	63·9	64·0	0·600	0·603	0·080	0·312	89	67	7·5	7·1	9	30	72	149	105	1303·6	51·32	3·45	Feb. 6	170	158		

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

Month.	Frequency of Wind Directions at 8-30.								Calm.	Frequency of Wind Force at 8-30.	Mean Velocity of Wind.	Extremes of Temperature of the Air.								Frequency of Visibility at 8-30.							
	N	NE	E	SE	S	SW	W	NW				1-3	4-7	> 7	8-30	14-30	Max.	Date.	Min.	Date.	Mean Max.	Mean Min.	Max. + Min. ÷ 2	Range.			
												mph.	mph.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	F.	Fog.	Mist.	Good Vis.
JANUARY	1	1	0	5	5	6	3	8	2	26	3	0	5	9	86·5	14	63·0	30	82·6	65·8	74·2	21·4	11·0	16·8	0	17	14
FEBRUARY	1	0	1	3	9	2	8	1	3	21	4	0	6	10	85·8	21	59·2	7	80·8	64·0	72·4	23·6	8·6	16·8	1	0	27
MARCH	1	1	1	3	12	7	3	2	1	29	1	0	6	10	86·0	4	60·3	8	80·2	64·6	72·4	21·6	3·8	15·6	0	1	30
APRIL	3	1	1	3	12	5	2	1	2	22	6	0	8	11	80·6	11	59·9	28	77·5	64·0	70·7	16·7	7·2	13·5	0	1	29
MAY	2	0	0	4	12	5	3	0	5	23	3	0	5	11	79·2	9	61·0	9	76·3	63·5	69·9	18·2	7·8	12·8	2	1	28
JUNE	6	5	2	2	4	7	3	1	0	29	1	0	6	12	78·8	2,14,16	59·7	10	76·3	63·3	69·8	17·1	7·6	13·0	3	3	24
JULY	10	3	4	1	3	4	2	4	0	25	6	0	7	12	81·0	25	59·2	17	75·6	62·8	69·2	18·8	9·2	12·8	3	8	20
AUGUST	6	9	2	4	5	2	1	2	0	29	2	0	6	12	83·7	28	59·0	13	78·4	62·6	70·5	20·9	9·0	15·8	2	8	21
SEPTEMBER	13	7	2	0	2	0	0	5	1	24	5	0	8	12	86·2	1	59·0	24	82·0	62·6	72·3	25·0	12·6	19·4	0</		

Summary of Meteorological Observations at Entebbe, 1937.

Latitude 0° 04' N.

Longitude 32° 29' E.

Altitude 3,878 ft.

Standard time 2h. 45m. East.

Reference Number 89-3202.

Month.	Atmospheric Pressure. †		Temperature.				Vapour Pressure.		Saturation Deficit.		Relative Humidity.		Total Cloud Amt.		Number of Occasions of Cloud Amounts, 8-30.					Rainfall.			Number of days of					
			Dry Bulb.		Dew Point.		8-30		14-30		8-30		14-30		8-30		14-30		0	1-3	4-6	7-9	10	Total.	Max. fall in. 24 hrs.	Date.	Rain	Thunder.
		8-30	14-30	8-30	14-30	8-30	14-30	8-30	14-30	8-30	14-30	8-30	14-30	8-30	14-30	mm.	ins.											
JANUARY .. .	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%	7·0	4·8	3	4	3	8	13	18·3	0·72	0·31	16	8	4			
FEBRUARY .. .	26·072	25·978	69·0	78·9	64·6	64·4	0·614	0·608	0·104	0·390	86	61	8·9	6·1	0	1	2	9	16	108·5	4·27	1·18	1	13	8			
MARCH .. .	26·084	25·995	68·7	76·9	64·4	66·7	0·608	0·661	0·101	0·269	86	71	8·3	6·8	1	1	4	10	15	196·3	7·73	1·97	21	14	9			
APRIL .. .	26·045	25·980	70·5	76·1	65·8	66·6	0·641	0·656	0·112	0·251	85	72	8·2	6·8	0	2	4	11	13	221·2	8·71	1·79	27	23	9			
MAY .. .	26·081	26·016	70·8	75·2	66·0	66·6	0·644	0·659	0·118	0·221	84	75	8·2	6·8	0	2	3	9	17	328·4	12·93	2·18	1	25	7			
JUNE .. .	26·113	26·051	69·0	74·0	65·1	66·4	0·626	0·653	0·092	0·192	87	77	8·5	6·7	0	2	3	9	17	147·3	5·80	1·08	1	15	14			
JULY .. .	26·128	26·072	67·4	74·4	64·0	64·4	0·602	0·611	0·077	0·248	89	71	8·4	7·3	1	1	2	11	15	105·7	4·16	1·07	28	11	9			
AUGUST .. .	26·122	26·075	67·7	73·7	63·9	64·8	0·597	0·617	0·085	0·225	87	73	7·6	7·1	0	3	6	12	10	112·3	4·42	1·89	26	12	12			
SEPTEMBER .. .	26·110	26·057	68·4	75·2	63·7	64·6	0·594	0·614	0·106	0·266	85	70	6·5	5·9	0	7	8	7	9	52·6	2·07	1·18	17	10	9			
OCTOBER .. .	26·102	26·028	69·4	77·6	63·9	65·5	0·599	0·635	0·127	0·319	83	67	7·4	5·4	0	3	5	17	5	102·1	4·02	1·05	30	13	10			
NOVEMBER .. .	26·096	26·004	67·7	75·6	63·9	65·3	0·599	0·629	0·083	0·263	88	71	7·9	6·4	0	1	7	11	11	215·9	8·50	1·35	19	22	7			
DECEMBER .. .	26·066	25·983	69·1	76·3	64·2	65·3	0·605	0·629	0·113	0·284	84	69	7·9	5·7	0	1	6	15	9	103·6	4·08	1·26	30	18	11			
Year ..	26·093	26·021	69·0	75·9	64·5	65·5	0·612	0·634	0·104	0·268	86	70	7·9	6·3	5	28	57	133	142	1712·2	67·41	2·18	May 1	184	109			

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

Month.	Frequency of Wind Directions at 8-30.								Calm.	Frequency of Wind Force at 8-30.			Extremes of Temperature of the Air.						Frequency of Visibility at 8-30.								
	N	NE	E	SE	S	SW	W	NW		1-3	4-7	>7	8-30	14-30	Max.	Date.	Min.	Date.	Mean Max.	Mean Min.	Max. + Min. ÷ 2	Range.	Fog.	Mist.	Good Vis.		
													mph.	mph.	F.		F.		F.	F.	F.	F.					
JANUARY .. .	5	1	2	0	4	3	7	9	0	31	0	0	3	7	84·4	8	58·6	9	80·4	64·1	72·3	25·4	9·0	16·3	0	3	28
FEBRUARY .. .	1	1	2	5	2	5	7	4	1	26	1	0	4	9	83·3	19	60·9	13	79·1	63·8	71·5	20·7	11·0	15·4	1	0	27
MARCH .. .	1	0	5	5	9	5	3	3	0	30	1	0	5	10	81·2	6	59·2	5	78·5	64·7	71·6	21·3	9·0	13·9	1	0	30
APRIL .. .	1	1	4	11	5	6	1	1	0	29	1	0	7	11	81·0	22	61·5	10	77·6	64·7	71·1	15·9	7·9	12·9	0	4	26
MAY .. .	0	2	6	9	4	6	4	0	0	29	2	0	6	10	78·8	31	63·0	3,12,13,17	76·2	64·3	70·3	14·2	8·6	12·0	0	4	27
JUNE .. .	1	0	1	3	1	9	7	8	0	28	2	0	7	11	79·0	17	60·0	12	76·0	63·1	69·5	17·6	7·0	12·8	0	1	29
JULY .. .	2	2	2	1	2	6	3	13	0	27	4	0	7	11	79·4	25	60·0	8,11	76·0	62·2	69·1	18·4	7·6	13·8	0	13	18
AUGUST .. .	10	1	1	1	5	4	3	6	0	29	2	0	7	12	80·0	25	59·2	12	76·9	61·3	69·1	20·0	10·6	15·5	0	31	0
SEPTEMBER .. .	11	2	1	0	2	2	4	8	0	27	3	0	8	11	84·2	24	58·6	5	79·7	62·6	71·1	25·2	7·0	17·1	0	16	14
OCTOBER .. .	7	2	2	0	3	1	6	10																			

MOM177



UGANDA PROTECTORATE.

29504

METEOROLOGICAL OBSERVATIONS,
1938.

BRITISH EAST AFRICAN METEOROLOGICAL SERVICE.

All Meteorological Stations have been under the control of the B.E.A. Meteorological Service throughout 1938.

In connection with the Service 173 Rainfall Stations have reported, including one First Order Station, fourteen Second Order Stations, one Third Order Station and fifty-six Rainfall Stations which were opened during the year.

The times of observations are :—

8.30 a.m. and 2.30 p.m. Local Standard Time. This corresponds to 0545 G.M.T. and 1145 G.M.T. When the standard time was changed at the beginning of 1937, it was considered inadvisable to alter the local times of observation so that, in reality, the observations are now made 15 minutes earlier than the International Times of 0600 G.M.T. and 1200 G.M.T.

Only a summary of the observations at selected stations is given in this volume. Further information may be obtained on application to the B.E.A. Meteorological Service.

Rainfall.

The total rainfall for the year was 11% below normal. February was unusually dry, the total rainfall being 60% below average.

The abnormalities at certain stations are shown in the following table :—

Station.	Province.	Departure from normal.	Station.	Province.	Departure from normal.
Entebbe	Buganda	- 16.73	Fort Portal	Western	- 10.55
Kampala	"	- 8.17	Bunyaruguru	"	- 7.15
Masaka	"	- 6.11	Kabale	"	+ 7.95
Bukalasa	"	- 7.91	Butiti	"	- 9.59
Mubende	"	- 6.31	Kileclooney	"	- 16.95
Kalangala	"	- 22.70	Hoima	Northern	+ 3.57
Jinja	Eastern	- 2.43	Gulu	"	- 16.88
Mbale	"	- 7.12	Arua	"	+ 5.36
Namasagali	"	+ 2.41	Ngetta	"	- 0.68
Serere	"	- 7.43	Kitgum	"	- 4.90
Bugondo	"	- 5.52	Moyo	"	- 2.71

The highest fall for the year was 111.59 inches at Kalangala, and the lowest 26.20 inches at Butiaba. The greatest fall recorded in 24 hours was 4.70 inches on the 16th June at Kaberamaido.

Temperatures.

Forty-one Stations recorded temperatures during 1938. Of these, thirty recorded readings of the Dry and Wet Bulb thermometers.

The highest temperature recorded was 99.2°F. at Mbale in February, and the lowest 40.0°F. at Kabale in January.

The departures from normals for the various stations are shown below :—

Station.	Province.	Departure from normal. (°F)		Station.	Province.	Departure from normal. (°F)	
		Max.	Min.			Max.	Min.
Entebbe	Buganda	- 0.2	+ 0.1	Jinja	Eastern	+ 0.4	+ 0.2
Kampala	"	+ 0.8	- 0.5	Serere	"	- 0.1	- 0.1
Masaka	"	- 0.8	- 0.2	Ngetta	"	+ 0.5	- 0.1
Bukalasa	"	+ 1.2	+ 0.3	Arua	Northern	+ 0.2	- 0.4

1938.	Station.	Lat.	Long.	Alt. ft.	Air Temperature.						Rainfall.			
					Mean.		Absolute Max.		Absolute Min.		Total ins.	No. of days	Max. in 24 hours.	
					Max. °F	Min. °F	°F	Date.	°F	Date.			Amt. ins.	Date.
Gulu	2° 45' N 32° 20' E	3,675	83.9	62.7	94.6	February 24 ..	57.0	December 9, 16	44.13	160	1.73	Oct. 22		
Lira	2° 17' N 32° 56' E	3,593	86.2	61.8	97.3	February 26 ..	52.0	June 5 ..	55.00	152	2.18	June 4		
Butiaba	1° 50' N 31° 20' E	2,037	83.1	71.7	94.0	March 3 ..	66.0	April 27 ..	26.20	99	1.76	Aug. 29		
Hoima	1° 26' N 31° 22' E	3,800	83.2	..	96.9	February 7	62.06	165	2.65	April 26		
Masindi	1° 41' N 31° 43' E	3,760	83.8	62.2	95.3	February 19 ..	56.0	Jan. 6 Sept. 10	41.20	155	1.77	July 28		
Serere	1° 31' N 33° 27' E	3,600	86.4	..	98.0	February 19	47.41	138	2.02	July 19		
Soroti	1° 43' N 33° 37' E	3,655	86.7	64.2	97.1	February 23 ..	60.1	May 25 July 1	48.21	140	2.71	Sept. 22		
Mbale	1° 06' N 34° 11' E	4,003	85.5	60.7	99.2	February 19 ..	53.4	January 5 ..	39.62	140	2.47	June 20		
Fort Portal	0° 40' N 30° 17' E	5,049	77.6	55.3	86.0	February 19 ..	46.0	January 6 ..	47.39	169	2.31	May 31		
Mubende	0° 35' N 31° 22' E	5,095	76.6	60.5	88.0	February 24 ..	55.0	September 10 ..	41.43	142	2.20	Oct. 6		
Bukalasa	0° 43' N 32° 31' E	3,700	84.2	61.4	96.0	Jan. 25 Feb. 20	52.0	January 5 ..	44.10	161	2.03	Sept. 27		
Kampala Govern- ment Plantation	0° 19' N 32° 35' E	3,900	81.9	61.8	93.0	February 28 ..	52.0	Jan. 4 July 2 ..	42.47	134	2.12	Oct. 31		
Jinja	0° 26' N 33° 12' E	3,878	82.3	63.7	91.5	February 27 ..	55.1	January 4 ..	42.49	128	2.53	April 9		
Tororo	0° 40' N 34° 10' E	4,045	84.0	60.9	95.0	March 8 ..	53.0	January 10 ..	44.75	161	2.15	May 23		
Mbarara	0° 37' S 30° 39' E	4,734	79.3	57.9	89.1	February 27 ..	50.2	June 9		
Masaka	0° 20' S 31° 44' E	4,308	77.6	61.0	87.6	January 30 ..	55.8	June 28 ..	37.02	144	1.73	Sept. 30		
Kabale	1° 17' S 29° 59' E	6,138	72.9	49.5	79.8	February 16 ..	40.0	January 3 ..	45.93	143	3.57	Aug. 17		

Summary of Meteorological Observations at Kololo Hill, Kampala, 1938.

Latitude 0°20' N.

Longitude 32°36' E.

Altitude 4,304 ft.

Standard time 2h. 45m. East.

Reference Number 89·3210.

Month.	Atmospheric Pressure. †		Temperature.				Vapour Pressure.		Saturation Deficit.		Relative Humidity.		Total Cloud Amt.		Number of Occasions of Cloud Amounts, at 8.30.					Rainfall.			Number of days of					
			Dry 8-30	Bulb. 14-30	Dew Point. 8-30	Dew Point. 14-30	8-30	14-30	8-30	14-30	8-30	14-30	8-30	14-30	0	1-3	4-6	7-9	10	Total mm.	Max. fall in ins.	Date 24 hrs.	Rain.	Thunder.				
	8-30	14-30	8-30	14-30	8-30	14-30	8-30	14-30	8-30	14-30	8-30	14-30	8-30	14-30	0	1-3	4-6	7-9	10	mm.	ins.	Date	Rain.	Thunder.				
			ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	%	%	4·8	4·9	5	7	6	11	2	18·3	0·72	0·33	11	7	6	
JANUARY	25·685	25·603	70·2	81·6	60·3	60·1	0·526	0·523	0·218	0·567	71	48	58	58	5·8	7·2	1	7	10	3	7	19·8	0·78	0·48	23	8	13	
FEBRUARY	25·697	25·620	69·9	80·4	65·5	64·2	0·635	0·605	0·103	0·443	86	58	64	64	7·5	7·1	0	1	9	13	8	129·8	5·11	1·33	26	15	12	
MARCH	25·670	25·600	68·1	76·9	63·9	63·7	0·597	0·594	0·097	0·336	86	67	73	73	6·5	6·5	0	2	5	17	6	183·6	7·23	1·91	8	18	11	
APRIL	25·679	25·611	69·1	77·1	64·9	65·5	0·620	0·632	0·098	0·310	87	67	74	74	7·1	7·1	0	4	4	16	7	103·6	4·08	1·42	14	13	13	
MAY	25·706	25·647	68·0	75·1	64·0	64·8	0·602	0·617	0·089	0·260	87	70	74	74	7·0	7·0	0	2	6	14	8	28·4	1·12	0·33	23	10	18	
JUNE	25·753	25·703	66·4	72·7	62·6	62·2	0·573	0·564	0·080	0·245	88	70	77	80	7·7	8·0	0	2	6	14	8	44·2	1·74	1·08	17	11	13	
JULY	25·744	25·691	64·9	73·3	61·2	60·6	0·543	0·535	0·077	0·289	88	65	61	61	7·6	7·6	1	9	5	10	6	77·0	3·03	1·04	19	12	17	
AUGUST	25·712	25·647	65·3	75·2	61·9	61·2	0·558	0·543	0·071	0·337	89	62	72	76	7·2	7·6	1	1	9	15	5	75·9	2·99	0·88	30	12	14	
SEPTEMBER	25·726	25·647	65·6	75·2	62·4	63·0	0·570	0·579	0·068	0·301	89	66	76	75	7·5	7·5	1	4	2	15	8	139·4	5·49	1·81	31	20	11	
OCTOBER	25·715	25·620	67·8	74·8	62·2	62·4	0·564	0·570	0·121	0·301	82	65	69	75	7·5	7·5	0	5	9	11	6	139·4	5·49	1·81	31	20	11	
NOVEMBER	25·706	25·617	68·1	76·8	62·1	62·4	0·561	0·570	0·133	0·360	81	61	73	75	7·5	7·5	0	4	6	12	8	89·9	3·54	1·76	2	17	15	
DECEMBER	25·676	25·591	68·4	76·9	62·1	61·5	0·561	0·552	0·139	0·378	80	59	66	68	6·8	6·8	0	6	7	11	7	119·1	4·69	1·19	20	17	12	
Year ..	25·706	25·633	67·7	76·3	62·8	62·6	0·576	0·574	0·108	0·344	85	63	6·9	7·1	9	9	52	78	148	78	1029·0	40·52	1·91	April	8	160	155	

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

Month.	Frequency of Wind Directions at 8.30.								Calm.	Frequency of Wind Force at 8.30.		Extremes of Temperature of the Air.								Frequency of Visibility at 8.30							
	N	NE	E	SE	S	SW	W	NW		1-3	4-7	>7	8-30	14-30	Max.	Date.	Min.	Date.	Mean Max.	Mean Min.	Max. + Min. ÷ 2	Max.	Min.	Mean.	Fog.	Mist.	Good Vis.
JANUARY	2	5	10	5	3	2	1	3	0	24	7	0	8·9	12·8	89·6	30	60·8	12	84·7	64·5	74·6	26·4	8·8	20·2	0	8	23
FEBRUARY	0	0	1	4	10	6	6	1	0	24	4	0	6·5	18·1	91·1	20	58·8	4	84·4	65·3	74·9	26·3	12·1	19·1	0	5	23
MARCH	2	1	0	4	9	7	4	2	2	24	5	0	6·7	13·2	91·2	1	60·2	8	80·0	64·1	72·1	25·1	8·9	15·9	0	0	31
APRIL	0	1	0	3	12	9	5	0	0	27	3	0	8·7	12·8	82·4	20	60·0	10	79·2	63·9	71·5	20·0	10·7	15·3	0	1	29
MAY	1	4	0	3	8	10	3	0	2	25	4	0	7·2	12·3	83·6	11	60·2	31	78·1	63·1	70·6	18·0	12·0	15·0	1	0	30
JUNE	7	1	4	1	2	9	3	1	2	27	1	0	5·4	13·4	80·3	19	59·2	22	76·7	62·6	69·7	19·9	10·3	14·1	0	3	27
JULY	8	7	2	0	3	2	2	7	0	29	2	0	7·6	13·2	81·2	9	58·1	12	77·0	61·1	69·1	20·8	6·2	15·9	1	13	17
A																											

Summary of Meteorological Observations at Entebbe, 1938.

Latitude 0° 04' N.

Longitude 32° 29' E.

Altitude 3,878 ft.

Standard time 2h. 45m. East.

Reference Number 89-3202.

Month.	Atmospheric Pressure. †		Temperature.				Vapour Pressure.		Saturation Deficit.		Relative Humidity.		Total Cloud Amt.	Number of Occasions of Cloud Amounts, 8-30.					Rainfall.			Number of days of							
			Dry Bulb.		Dew Point.		8-30		14-30		8-30			8-30	14-30	0	1-3	4-6	7-9	10	Total, mm.	Max. fall in. ins.	Date. 24 hrs.	Rain	Thunder.				
		8-30	14-30	8-30	14-30	8-30	14-30	8-30	14-30	%	%	8-30	14-30	8-30	14-30	0	1-3	4-6	7-9	10	Total, mm.	Max. fall in. ins.	Date. 24 hrs.	Rain	Thunder.				
JANUARY	ins.	ins.	F.	F.	F.	F.	ins.	ins.	ins.	ins.	0·585	0·599	0·183	0·405	76	60	5·5	4·4	1	10	6	9	5	36·3	1·43	0·59	11	6	3
FEBRUARY	26·054	25·980	71·0	79·2	63·1	63·9	0·650	0·667	0·118	0·319	85	68	6·9	6·5	1	4	6	8	9	144·0	5·67	1·38	3	18	13				
MARCH	26·072	26·001	71·0	78·6	66·2	67·1	0·629	0·635	0·097	0·257	87	71	8·0	6·2	1	1	7	8	14	230·6	9·08	1·57	21	20	11				
APRIL	26·045	25·978	69·4	75·6	65·3	65·5	0·647	0·661	0·124	0·246	84	73	7·5	6·0	0	3	6	11	10	182·9	7·20	1·38	14	21	12				
MAY	26·054	25·989	71·2	76·1	66·0	66·7	0·635	0·641	0·091	0·236	87	73	7·9	6·5	0	4	2	11	13	36·1	1·42	0·89	17	8	12				
JUNE	26·084	26·022	69·5	75·0	65·5	65·8	0·591	0·614	0·091	0·216	87	74	8·6	6·7	0	1	2	16	11	87·4	3·44	1·12	7	20	14				
JULY	26·128	26·075	67·6	73·4	63·5	64·6	0·573	0·588	0·080	0·251	88	70	6·8	6·3	0	4	7	15	5	16·5	0·65	0·25	29	9	11				
AUGUST	26·113	26·066	66·3	73·8	62·6	63·3	0·576	0·597	0·085	0·253	87	70	6·4	6·3	0	5	7	16	3	36·1	1·42	0·89	17	8	12				
SEPTEMBER	26·087	26·025	66·7	74·2	62·8	63·9	0·573	0·602	0·106	0·284	84	68	6·2	5·2	1	6	6	12	5	52·1	2·05	0·71	9	10	9				
OCTOBER	26·102	26·022	67·5	75·4	62·6	64·0	0·573	0·608	0·138	0·290	81	68	6·8	6·3	0	5	6	14	6	100·3	3·95	1·02	8	21	11				
NOVEMBER	26·075	25·992	69·4	75·7	63·3	64·4	0·611	0·608	0·115	0·316	84	66	7·5	5·7	0	3	6	16	5	61·5	2·42	1·42	2	16	9				
DECEMBER	26·042	25·969	69·1	77·7	63·9	63·1	0·585	0·599	0·119	0·372	84	61	8·6	7·9	0	2	2	13	14	100·3	3·95	1·53	24	14	14				
Year ..	26·078	26·009	69·0	75·9	64·1	64·7	0·605	0·617	0·112	0·287	85	69	7·2	6·2	4	48	63	149	100	1080·3	42·53	1·57	April 21	170	127				

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

Month.	Frequency of Wind Directions at 8-30.								Calm.	Frequency of Wind Force at 8-30.			Mean Velocity of Wind.	Extremes of Temperature of the Air.								Frequency of Visibility at 8-30						
	N	NE	E	SE	S	SW	W	NW		1-3	4-7	>7		8-30	14-30	Max.	Date.	Min.	Date.	Mean Max.	Mean Min.	Max. + Min. ÷ 2	Range.			Fog.	Mist.	Good Vis.
																							Max.	Min.	Mean.			
JANUARY	7	5	3	0	3	4	3	6	0	27	4	0	mph.	mph.	F.	15	59·0	3,5	F.	81·2	62·8	72·0	24·0	10·5	18·4	0	11	20
FEBRUARY	1	2	2	4	4	3	8	2	2	26	0	0	3·6	7·4	83·7	27	61·4	4	81·1	65·6	73·3	21·4	8·4	15·5	0	6	22	
MARCH	0	1	2	5	8	4	3	4	4	27	0	0	3·6	7·2	86·4	1	60·0	11	78·2	64·6	71·4	21·4	8·3	13·6	0	3	28	
APRIL	0	0	2	5	7	10	4	1	1	28	1	0	6·5	11·4	80·6	20	62·0	2	78·0	65·3	71·7	15·7	8·4	12·7	0	0	30	
MAY	1	1	2	6	8	7	3	2	0	24	6	0	7·8	10·7	80·0	11	60·4	30	77·0	63·9	70·5	18·0	10·3	13·1	0	1	29	
JUNE	2	5	0	4	5	3	6	3	2	26	2	0	5·8	9·4	78·4	18	60·0	22	75·6	62·8	69·2	16·4	7·8	12·8	1	4	25	
JULY	15	3	0	0	0	2	4	7	0	31	0	0	5·4	8·7	80·4	31	58·4	2,4	75·8	61·1	68·5	20·3	8·1	14·7	0	19	12	
AUGUST	16	10	0	0	1	0	2	2	0	30	1	0	6·0	11·2	80·5	14	58·1	5	77·1	61·4	69·3	21·3	9·7	15·7	0	15	16	
SEPTEMBER	11	10	0	0	1	1	0</td																					