METEOROLOGICAL OBSERVATIONS.
JAMAICA.

YEAR 1931.

The hours of observations are 7 a.m. and 3 p.m. The "Mean" refers to the day of 24 hours as deduced from these hours, (including the Maximum and Minimum Temperatures) for Tables at end.

Meridian of Longitude for calculation of time adopted as Standard in the Colony	75° W.
Hours slow of Greenwich Mean Time	5

KINGSTON.

Latitude	17° 58′. N.
Longitude	76° 48′. W.

QC
987
.J25
M48
1931

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STATION—KINGSTON. JANUARY, 1931

Day.	Barometer 29 or 30 ins.		Air Temperature.				Dew Point.		Relative Humidity.		Wind Direction and Velocity.				Amount of Cloud.		Rain fall.
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.		3 p.m.		7 a.m.	3 p.m.	Ins.
	Ins.	Ins.	°	°	°	°	°	°	%	%							
1	.949	.919	76.6	85.2	86.1	72.5	68	73	76	68	S.E.	9	E.	15	0	0	
2	.986	.928	72.0	83.4	86.2	71.4	67	70	85	64	N.	6	S. E.	4	0	10	
3	.982	.930	71.9	87.1	88.4	70.8	67	70	85	58	N. E.	3	S.E.	15	0	10	
4	.950	.879	71.5	82.7	86.6	71.1	66	72	84	69	N.	5	S.	15	0	8	
5	.908	.854	77.4	85.0	85.3	74.2	68	69	75	58	S. E.	15	S.E.	15	0	0	
6	.946	.885	72.3	83.7	87.0	71.0	68	69	86	61	N.W.	6	S.E.	5	10	10	
7	.948	.886	69.4	87.1	87.2	69.2	65	67	84	52	N.E.	8	S.E.	15	0	0	
8	.932	.899	71.9	82.7	82.9	70.9	66	69	83	63	N.	6	S.E.	15	0	10	
9	.960	.898	71.4	83.2	86.2	70.9	65	70	82	64	N.	4	S.E.	6	0	8	
10	.942	.899	71.3	80.0	84.4	69.3	66	69	84	71	N.	6	N.	5	9	10	
11	.926	.880	69.2	83.2	86.4	68.6	65	71	88	65	N.	4	S.E.	6	0	10	
12	.937	.881	70.9	83.9	86.6	70.2	68	72	89	68	N.E.	6	S.E.	15	10	0	
13	.981	.910	69.2	84.0	86.0	68.2	64	72	83	67	N.E.	4	S.E.	17	0	0	
14	.018	.961	69.7	86.9	87.8	67.6	64	72	82	60	N.	5	S.E.	5	0	0	
15	.002	.950	68.2	86.4	87.0	67.5	64	67	87	54	N.W.	2	S	7	0	0	
16	.009	.939	70.1	88.7	89.5	69.2	65	68	86	50	N	6	S.W.	6	0	10	0.02
17	.960	.923	73.2	85.8	85.9	72.1	70	67	90	53	N.	3	S.E.	20	10	2	
18	.948	.918	69.8	85.4	87.2	67.7	63	65	81	51	N.	5	S.E.	20	0	4	
19	.973	.911	72.7	85.7	88.8	70.8	66	67	77	52	N.	9	S.E.	20	10	3	
20	.929	.874	71.0	84.2	86.5	70.3	64	72	77	68	N.E.	3	S.E.	12	0	7	
21	.950	.934	72.2	84.7	85.0	71.6	66	71	82	63	N.E.	2	S.	9	0	0	0.04
22	.987	.962	72.7	83.2	85.2	72.0	64	65	74	54	N.W.	27	N.	20	0	10	
23	.972	.949	69.4	81.0	83.2	68.8	66	71	89	71	N.W.	3	N.E.	4	0	10	0.01
24	.979	.944	70.1	80.2	85.0	69.6	68	73	93	79	N.E.	3	N.E.	3	0	10	0.02
25	.982	.955	73.2	77.7	80.0	72.4	71	73	93	85	N.	3	E.	3	10	10	0.76
26	.959	.920	70.7	82.6	84.6	69.9	70	70	97	65	E.	3	S.	4	0	10	
27	.957	.916	69.4	83.6	85.4	68.1	67	68	94	59	N.	4	S.	6	0	0	
28	.970	.925	68.5	85.0	87.2	66.6	63	69	86	57	N.W.	2	S.W.	6	10	0	
29	.977	.941	68.0	80.8	83.7	67.1	65	70	89	69	N.E.	5	S.E.	7	0	10	
30	.961	.914	67.9	84.1	84.5	67.1	66	68	91	59	N.W.	2	S.	3	0	10	
31	.939	.872	70.6	81.9	85.2	68.3	65	71	83	68	N.E.	5	S.E.	15	10	10	
Mean	29.962	29.915	71.0	83.8	85.8	69.8	66	70	85	63	N.E.	5.6	S.E.	10.3	2.5	5.9	
Total	..	..	..	..	..	..	..	..	..	..	..		..		..	..	0.85

Note: See page 15 (foot note) as to Elevations of Instruments, &c., for Kingston.

Rainfall near to the 59-year average. Overcast early morning on 7 occasions, and in afternoon 17. South-east wind early on 2 mornings and continued until after 7 p.m. on 5 occasions. Rain to westward on 12th and 19th. The maximum temperature was below 90 degrees throughout, and the minimum below 70 degrees on 16 days. Relative humidity 2% below normal. Rainfall Upper Kingston 0.95 inch with 7 rainy days.

STATION—KINGSTON. **FEBRUARY, 1931.**

Day.	Barometer 29 or 30 ins.		Air Temperature.				Dew Point.		Relative Humidity.		Wind Direction and Velocity.		Amount of Cloud.		Rainfall.
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	7 a.m.	3 p.m.	7 a.m.	p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Ins.
	Ins.	Ins.	°	°	°	°	°	°	%	%					
1	.920	.879	70.5	82.4	86.2	70.1	66	72	87	70	N. 5	S.E. 12	0	10	0.01
2	.939	.892	70.0	85.4	85.7	69.1	65	69	86	60	N. 6	S.E. 12	0	0	0.12
3	.921	.835	69.2	84.5	84.8	68.6	64	68	85	60	N.W. 5	S.E. 10	0	0	
4	.817	.749	70.9	83.9	88.4	68.1	65	66	82	55	N.W. 5	S.W. 9	0	10	
5	.845	.840	69.1	82.3	82.3	66.3	61	57	75	42	N.W. 10	N.W. 22	0	4	
6	.918	.877	63.6	85.9	87.7	62.3	55	61	73	44	N.W. 5	S.W. 5	0	0	
7	.972	.923	69.1	85.4	86.8	67.8	63	67	80	55	N.W. 5	S. 9	0	10	
8	.942	.879	73.7	88.2	88.9	70.4	68	68	80	51	N.E. 3	N.E. 9	10	0	
9	.905	.853	68.9	85.9	86.0	68.1	63	69	80	56	N.E. 3	S.E. 9	0	4	
10	.880	.844	72.2	83.3	85.7	70.6	64	70	76	66	N. 8	S.E. 12	8	10	
11	.871	.867	72.2	81.2	85.0	71.7	64	69	77	66	N. 9	N. 10	0	10	
12	.945	.909	73.0	84.9	88.2	71.1	65	69	77	59	N.E. 6	N.W. 7	10	10	
13	.993	.953	71.3	85.6	86.8	70.5	67	71	88	61	N.E. 2	S.E. 15	0	10	0.03
14	.011	.980	71.7	79.6	84.9	70.3	68	69	87	67	N. 6	N.E. 8	10	10	
15	.974	.900	72.4	85.1	90.4	71.1	68	70	86	61	N.E. 4	S. 8	0	6	
16	.925	.870	70.0	86.2	87.0	69.6	64	66	85	51	N. 5	S. 9	4	0	
17	.993	.915	69.2	85.0	85.0	67.7	63	68	79	57	N. 4	S.E. 8	0	0	
18	.971	.948	72.7	82.3	83.2	71.1	69	71	88	69	E. 5	S.E. 12	10	8	
19	.960	.895	73.2	82.6	84.5	72.8	68	70	83	65	N.E. 3	S.E. 12	0	6	
20	.915	.880	72.2	82.9	84.4	69.1	66	69	82	62	S.E. 4	S.E. 6	10	10	
21	.929	.921	70.2	81.7	86.0	69.3	63	70	79	67	N. 3	S. 5	0	10	
22	.962	.919	69.2	85.2	86.2	68.6	65	67	87	56	N. 5	S. 6	0	0	
23	.927	.859	68.8	84.0	85.4	66.3	60	70	72	62	N. 9	S.E. 8	0	10	
24	.878	.835	72.0	84.0	84.7	71.4	69	72	89	67	N. 3	S.E. 12	7	0	
25	.867	.832	71.3	85.0	85.8	70.2	66	71	84	63	N.E. 3	S. 9	0	0	
26	.879	.877	74.2	89.9	90.5	72.1	68	70	81	51	N.W. 9	N. 15	0	0	
27	.927	.887	69.9	87.1	87.1	69.3	63	69	79	54	N. 3	S.E. 6	0	0	
28	.000	930	73.2	84.3	86.2	71.6	66	74	78	71	N. 7	S.E. 22	10	10	
Mean	29.928	29.884	70.9	84.4	86.2	69.5	65	69	82	60	N. 5.2	S.E. 10.3	2.8	5.3	
Total	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.16

Rainfall a quarter of average. Three rainy days. Overcast in forenoon on 7 occasions, in afternoon on 13 occasions. Rain to northward 11th and 13th. To north-eastward on 1st, 14th and 23rd. South-east wind continued after 7 p.m. on 5 occasions. Northers ranging from 10 to 22 miles per hour on 4th, 5th, 15th, 16th, 22nd, 23rd, and 26th. Rainfall Upper Kingston 0.17 inch with 4 rainy days.

STATION—KINGSTON. MARCH, 1931.

Day.	Barometer 29 or 30 ins.		Air Temperature.				Dew Point.		Relative Humidity.		Wind Direction and Velocity.		Amount of Cloud.		Rainfall.
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Ins.
	Ins.	Ins.	°	°	°	°	°	°	%	%					
1	.982	.906	71.2	84.2	86.4	70.6	66	72	85	68	N. 3	S.E. 25	0	8	
2	.933	.834	71.2	85.2	85.7	70.0	65	72	83	65	N. 3	S.E. 12	10	2	
3	.866	.823	76.7	72.1	80.7	72.1	73	71	86	95	S.E. 5	N. 9	10	10	0.68
4	.881	.866	70.9	82.2	84.4	69.6	60	67	70	60	N.W. 10	S. 10	0	9	
5	.947	.904	71.3	84.2	86.4	69.6	64	66	78	54	N. 8	S.E. 9	10	0	
6	.964	.885	71.7	83.9	85.9	70.7	67	72	84	65	N. 6	S.E. 20	10	10	
7	.939	.880	72.1	84.5	85.2	71.1	66	69	80	60	S.E. 10	S.E. 20	0	2	
8	.934	.919	70.9	84.2	85.2	70.1	65	71	80	64	E. 1	S.E. 10	0	9	
9	.963	.934	71.2	84.2	85.7	69.9	65	69	80	61	N.E. 5	S. 8	3	10	
10	.997	.926	71.9	80.5	86.2	70.7	61	61	68	51	N. 23	N. 20	0	10	
11	.984	.941	71.8	85.2	85.7	70.1	63	69	73	60	N. 5	S.E. 10	10	8	
12	.016	.998	74.0	79.2	79.5	72.1	68	68	80	68	N. 7	S.W. 5	10	10	0.02
13	.013	.951	71.2	79.9	89.2	69.9	66	75	85	83	N. 9	N. 12	10	10	0.02
14	.981	.930	70.1	84.9	88.8	69.1	68	69	91	57	N. 4	S.E. 20	0	8	
15	.948	.882	71.3	84.5	88.5	69.3	67	71	86	65	N. 8	S.E. 10	0	10	
16	.889	.831	71.4	84.9	86.2	69.7	66	72	86	64	N.E. 2	S.E. 20	0	0	
17	.872	.817	73.0	86.8	87.7	71.0	68	73	84	63	N. 3	S.E. 9	0	0	
18	.897	.851	73.5	85.2	87.0	72.3	65	73	78	67	N. 8	S.E. 10	8	10	0.02
19	.896	.878	73.4	85.0	88.2	71.9	68	70	82	61	N. 7	S. 10	10	3	0.17
20	.898	.861	65.8	85.1	89.2	63.8	56	63	72	49	N.W. 4	S. 9	8	0	
21	.909	.885	69.9	85.3	85.9	66.3	55	66	60	53	N. 6	S.E. 6	10	10	
22	.955	.919	72.2	87.0	87.9	70.8	67	71	85	58	N. 4	S.E. 8	5	10	
23	.932	.880	71.2	84.3	88.2	70.3	61	71	71	64	N. 2	S.E. 8	8	10	
24	.906	.856	72.0	85.9	86.6	70.3	64	71	77	59	N. 8	S. 8	8	0	
25	.880	.856	71.3	86.8	87.1	69.7	65	66	79	51	N.E. 2	S.E. 6	0	0	
26	.908	.854	72.1	86.8	89.9	70.2	64	73	75	63	N.E. 5	S.E. 22	0	9	
27	.926	.906	74.2	85.9	88.8	72.3	67	73	80	65	N. 4	S.E. 24	0	8	
28	.942	.898	74.2	87.7	88.6	73.1	67	73	78	61	N. 5	S.E. 15	2	0	
29	.931	.862	73.4	87.4	88.2	70.8	66	68	79	50	N.E. 3	S.E. 6	6	0	
30	.922	.866	71.2	85.7	87.2	69.1	64	71	77	61	N.E. 4	S.E. 10	1	0	
31	.884	.847	73.7	86.0	86.2	71.1	66	71	77	60	N.E. 1	S.E. 20	8	7	
Mean	29.[illegible]2	29.885	71.9	84.3	86.7	70.2	65	70	79	62	N. 5.6	S.E. 12.6	4.8	5.9	
Total	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.91

Rainfall about normal. Rain to northward 2 days, to north-eastward 2 days, to south-eastward 2 days, south-east wind continued throughout on 2nd, 6th, 7th, 8th, and 31st, and till after 7 p.m. on 1st, 11th, 16th, 21st, 24th, 25th and 30th. Norther of from 10 to 20 m.p.h. on 3rd, 4th, 9th, 23rd and 24th. Partial Solar Halo on 10th and 22nd. Solar Halo on 21st—complete for one hour—total duration 6 hours. Rainfall Upper Kingston 0.68 inch with 6 rainy days.

STATION—KINGSTON. APRIL, 1931.

Day.	Barometer 29 or 30 ins.		Air Temperature.				Dew Point.		Relative Humidity.		Wind Direction and Velocity.		Amount of Cloud.		Rainfall.
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Ins.
	Ins.	Ins.	°	°	°	°	°	°	%	%					
1	.874	.849	77.9	87.7	87.8	75.8	71	74	77	64	S.E. 10	S. 9	6	0	
2	.909	.868	75.1	86.3	87.7	73.1	69	72	81	63	N.E. 1	S.E. 22	0	2	
3	.939	.902	75.0	89.6	90.6	72.1	68	67	80	47	N.W. 1	S.E. 28	0	0	
4	.969	.899	78.8	87.6	88.6	74.1	67	73	66	61	S.E. 13	S.E. 18	0	0	0.03
5	.964	.901	73.0	85.6	86.8	71.1	67	72	81	63	S.E. 2	S.E. 20	0	1	
6	.981	.948	75.8	86.6	88.1	71.3	67	73	72	63	N.E. 5	S.E. 12	0	10	
7	.997	.938	75.8	88.0	88.7	74.5	70	73	81	61	E. 5	N.W. 12	8	10	0.26
8	.976	.911	77.0	87.9	90.0	72.7	69	70	78	55	N.E. 3	S. 8	10	10	
9	.950	.922	75.2	80.2	89.2	72.8	71	73	86	79	S.E. 2	S.E. 17	0	10	0.23
10	.940	.912	74.0	79.7	86.5	72.3	71	74	89	80	N. 9	N. 12	10	10	
11	.927	.880	74.1	83.0	84.7	72.3	69	70	87	66	N.E. 3	S.E. 12	10	10	
12	.929	.893	74.8	84.2	86.6	69.8	67	71	77	64	N. 6	S.E. 5	8	10	0.18
13	.916	.865	75.0	85.2	86.4	70.4	68	73	80	66	N. 4	S. 10	0	0	0.03
14	.896	.828	76.5	86.2	86.7	72.1	69	71	80	62	N. 7	S. 10	0	1	
15	.871	.825	76.9	82.9	85.2	73.3	70	74	79	73	N. 4	S.E. 20	1	9	0.09
16	.878	.845	76.0	86.2	87.2	73.1	72	74	89	67	N.E. 3	S.E. 7	0	1	
17	.890	.841	78.6	86.7	87.7	73.5	69	72	72	62	N. 9	S.E. 9	10	0	
18	.854	.821	76.4	87.4	88.4	73.5	68	70	78	58	N. 9	S.E. 9	10	0	
19	.845	.801	78.4	87.7	88.6	72.6	71	73	75	61	N. 4	S.E. 9	0	0	
20	.834	.825	78.6	84.0	88.6	74.8	74	74	84	71	S.E. 3	S.E. 20	0	3	
21	.844	.804	77.9	86.2	88.3	72.8	70	73	76	65	N. 4	S.E. 12	0	0	
22	.892	.849	75.8	88.3	89.0	71.5	68	71	77	57	N.E. 6	S. 8	5	1	
23	.877	.826	76.6	88.0	90.0	71.4	69	70	78	57	N. 3	S. 7	9	10	
24	.883	.827	75.3	87.2	89.9	71.5	72	73	90	65	N. 6	S.E. 20	0	0	
25	.887	.828	78.4	86.8	89.0	73.9	69	76	73	69	N. 5	S.E. 30	1	10	
26	.906	.847	78.7	86.3	88.7	75.4	72	75	78	68	N. 6	S.E. 24	10	4	
27	.922	.852	79.2	88.2	89.4	75.3	71	76	77	65	N. 6	S.E. 17	3	5	
28	.892	.812	79.7	87.4	89.8	76.0	73	76	78	69	N. 6	S.E. 18	0	5	
29	.872	.829	80.1	87.2	89.9	76.2	72	76	75	69	N. 1	S.E. 17	0	8	
30	.889	.848	80.8	83.5	89.5	76.5	72	75	74	78	N. 5	S.E. 5	1	10	
Mean	29.907	29.860	76.8	86.1	88.2	73.2	70	73	79	65	N.E. 5.1	S.E. 14.2	3.4	4.7	
Total	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.85

Rainfall about three-quarters of normal. Rain observed to northward on 3 days—to north-eastward, westward and north-westward one day each. Distant lightning to north-east, south-east and west 1 day each. Distant thunderstorm to north on 28th and 30th to west and north-west on 20th to south-east on 30th. South-east wind continued after 7 p.m. on 12 days and started early on 4 days. Overcast early morning on 9 occasions and in afternoons on 12 occasions. Fresh norther on 7th. Complete Solar Halo on 1st. Rainfall Upper Kingston 1.23 inch, 6 rainy days.

STATION—KINGSTON. MAY, 1931.

Day.	Barometer 29 or 30 ins.		Air Temperature.				Dew Point.		Relative Humidity.		Wind Direction and Velocity.				Amount of Cloud.		Rainfall.
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.		3 p.m.		7 a.m.	3 p.m.	Ins.
	Ins.	Ins.	°	°	°	°	°	°	%	%							
1	.922	.857	79.8	83.1	89.7	74.3	70	74	72	76	N.E.	3	S.E.	4	0	10	0.03
2	.898	.872	79.9	87.7	88.3	74.3	73	74	78	65	W.	2	S.E.	12	3	2	
3	.857	.831	80.6	85.3	89.0	73.6	70	74	69	70	N.	2	S.E.	10	10	10	
4	.852	.803	80.2	87.2	89.4	74.1	70	72	72	63	N.	5	S.E.	15	0	0	
5	.862	.815	81.9	85.5	89.9	75.6	72	73	70	68	N.E.	2	S.E.	14	0	10	
6	.876	.823	80.7	89.2	90.3	73.8	70	74	69	60	N.	4	S.E.	12	0	1	
7	.890	.822	79.0	88.0	89.7	73.9	69	75	71	67	N.	5	S.E.	20	10	10	
8	.886	.833	78.8	87.7	89.4	75.4	72	77	77	69	N.	3	S.E.	20	6	2	
9	.867	.837	78.5	87.7	89.5	75.1	71	74	80	65	S.E.	6	S.E.	15	10	10	
10	.884	.851	81.2	87.8	89.8	74.8	70	74	69	65	N.E.	1	S.E.	20	0	7	
11	.893	.883	82.0	87.7	90.7	74.2	70	75	68	65	E.	5	S.E.	20	0	5	
12	.887	.839	78.2	87.4	88.7	73.3	66	72	68	62	N.E.	3	S.E.	24	9	10	
13	.873	.839	82.4	88.2	90.3	74.9	70	75	67	65	S.E.	3	S.E.	11	4	10	
14	.913	.856	82.3	89.1	90.1	76.7	72	76	70	64	S.	3	S.E.	12	10	7	
15	.967	.927	82.2	83.4	91.1	77.4	73	74	74	75	N.W.	4	N.E.	5	6	10	
16	.955	.911	80.9	89.9	93.2	75.3	71	72	72	54	N.	4	S.W.	8	7	10	
17	.950	.902	79.1	82.1	90.8	76.6	72	77	82	86	N.	6	W.	4	8	10	0.31
18	.929	.881	75.0	87.6	90.0	72.6	69	73	82	61	N.	6	S.E.	24	8	8	
19	.946	.886	79.2	88.1	91.2	74.1	70	76	74	68	N.	4	S.E.	26	0	3	
20	.897	.832	79.2	89.2	91.3	73.3	69	75	73	63	N.	6	S.E.	26	10	7	
21	.912	.888	82.3	77.8	90.9	75.6	71	77	69	99	N.	6	N.	10	1	10	0.84
22	.924	.875	78.5	86.8	88.7	73.1	72	76	82	70	N.E.	4	S.E.	13	0	7	
23	.895	.865	79.2	83.2	89.2	75.5	73	73	80	72	N.	3	S.E.	8	3	10	
24	.886	.854	78.5	82.1	85.6	75.7	74	75	86	79	N.	2	S.E.	8	10	10	0.34
25	.877	.838	73.4	82.4	85.6	71.8	70	75	90	78	N.	4	S.E.	17	10	10	0.17
26	.864	.836	74.0	84.0	84.9	70.0	71	70	90	63	S.E.	9	S.E.	8	10	7	
27	.864	.859	77.7	82.5	86.8	74.1	72	74	81	77	N.	2	S.E.	8	10	10	0.30
28	.857	.857	73.2	82.7	83.7	72.4	71	73	95	71	N.	9	S.E.	12	10	10	
29	.868	.801	73.7	80.1	81.1	71.3	69	74	84	81	N.E.	6	E.	8	10	10	0.78
30	.805	.778	75.2	80.6	85.2	70.7	72	75	90	82	N.E.	2	S.E.	9	10	0	0.30
31	.821	.812	77.6	86.2	87.0	70.6	73	75	85	68	N.E.	2	S.E.	9	0	0	0.69
Mean	29.890	29.850	78.9	85.5	88.7	74.0	71	74	77	70	NN.E.	4.1	S.E.	13.3	5.7	7.3	
Total	..	..	..	..	..	..	..	..	..	..	..		..		..	..	3.76

Rainfall slightly below normal. Rain to north-west 1 day, to north-east 1 day, to south-west 1 day, to west 2 days, to north-west 3 days. Distant lightning to north and north-east 3 nights. Distant thunderstorm to north 6 days, to north-east 1 day, to west 1 day, to north-west 2 days. Local moderate thunderstorm on 26th. South-east wind early on 1 occasion and late 15 occasions. High wind from north on 26th (4.30 a.m.) 25 m.p.h. Overcast a.m. on 16 occasions and 19 occasions in afternoon. Partial Solar Halo on 10th, complete Lunar Halo on 18th. Rainfall Upper Kingston 4.15 inches with 9 rainy days.

STATION—KINGSTON. JUNE, 1931.

Day.	Barometer 29 or 30 ins.		Air Temperature.				Dew Point.		Relative Humidity.		Wind Direction and Velocity.		Amount of Cloud.		Rainfall.
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Ins.
	Ins.	Ins.	°	°	°	°	°	°	%	%					
1	.926	.895	74.7	86.5	87.2	73.6	74	75	96	71	S.E. 3	S.E. 12	10	0	0.01
2	.958	.933	79.5	89.4	90.8	74.6	73	76	79	66	N. 8	S.E. 15	2	8	
3	.988	.938	80.6	75.9	90.2	76.1	75	76	80	99	N. 5	S.E. 15	10	10	0.10
4	.929	.896	74.9	86.0	87.7	74.1	73	76	92	72	N. 3	S. 3	3	10	
5	.922	.909	79.4	82.9	89.1	74.2	73	74	82	74	N. 4	N. 2	0	10	
6	.923	.899	79.2	86.8	89.6	75.1	73	76	83	72	N. 2	S.E. 15	4	10	
7	.855	.857	72.3	74.9	87.4	70.8	71	76	95	73	N. 6	N.E. 5	10	10	0.89
8	.838	.806	79.6	87.9	89.7	75.1	74	76	81	67	N. 4	S. 9	0	5	0.02
9	.878	.848	81.0	87.0	88.0	74.3	75	76	82	69	N. 3	S.E. 10	0	0	
10	.921	.920	80.2	87.2	89.2	76.6	75	78	85	75	N.E. 3	S.E. 20	10	9	
11	.965	.945	82.2	86.0	89.3	76.4	75	78	78	74	S.E. 12	S.E. 18	3	10	
12	.964	.911	80.7	85.4	91.3	74.6	72	77	75	75	N. 6	S.E. 17	4	10	
13	.943	.924	79.9	89.2	90.5	74.0	71	71	74	57	N. 5	S.E. 20	0	0	
14	.972	.926	81.5	85.9	93.4	73.7	69	75	67	70	S.E. 6	S.E. 20	0	10	
15	.966	.908	78.5	88.7	91.2	75.8	73	75	84	63	N. 5	S.E. 28	3	0	
16	.957	943	79.7	88.8	89.9	75.1	69	76	71	64	N.E. 4	S.E. 18	3	0	
17	.962	.964	83.1	87.9	91.3	80.1	74	71	73	57	S.E. 15	S.E. 20	10	10	0.01
18	.968	.929	78.2	90.0	92.0	75.4	71	73	78	58	N.E. 2	S.E. 22	10	10	
19	.947	.926	79.5	87.2	92.1	76.6	70	70	74	58	N. 3	S.E. 18	10	10	
20	.938	.922	79.2	84.7	90.2	74.5	67	74	66	71	N. 4	S.E. 20	10	10	
21	.926	.888	79.6	83.6	88.7	73.4	72	74	77	71	N. 2	S.E. 20	5	10	0.09
22	.912	.897	78.0	85.4	89.7	74.1	70	73	76	68	N.W. 4	S.E. 17	10	10	
23	.940	.897	79.8	83.4	89.2	75.8	73	74	79	73	E. 2	S.E. 12	9	10	0.10
24	.920	.898	78.5	83.9	86.8	77.8	74	76	86	76	S.E. 7	S.E. 9	10	10	0.10
25	.930	.900	76.7	85.2	88.2	75.3	74	74	92	71	S.E. 8	S.E. 10	10	9	
26	.920	.851	78.4	86.9	89.8	77.3	74	76	86	68	N. 4	S.E. 17	10	10	
27	.890	.816	76.8	88.9	90.0	75.6	72	72	83	58	N.E. 5	S.E. 20	10	10	0.19
28	.882	.829	76.8	89.2	89.3	74.6	73	73	88	61	E. 4	S.E. 5	10	10	0.86
29	.848	.829	73.8	82.1	87.8	73.1	73	74	97	77	N.E. 3	S.E. 9	10	10	0.03
30	.855	.834	76.7	79.6	79.9	74.9	75	72	93	76	N. 2	W. 5	10	10	0.38
Mean	29.925	29.894	78.6	85.9	89.3	75.1	73	75	82	70	N.E. 4.8	S.E. 14.4	6.6	8.0	
Total	..	..	..	..	..	..	..	..	..	..	....	..	..	..	2.78

Rainfall about four-fifths of normal. Rain to north on 4 days, to north-east 3 days, to east 1 day, to south-east 2 days, to west 1 day, to north-west 6 days. Distant lightning to north, north-east and south-west, on 11 occasions. Distant thunderstorm to north on 5 occasions, to north-east on 1 occasion, south-east 1 occasion, west 1 occasion, north-west 3 occasions. Local thunderstorm on 3rd. South-east wind started early on 5 days, continued till after 7 p.m. on 7 days, continued throughout on 1 occasion. Partial Lunar halo on 26th. South-east squall on 24th, 27th and 28th. Rainfall Upper Kingston 3.87 inches with 11 rainy days.

STATION—KINGSTON. JULY, 1931.

Day.	Barometer 29 or 30 ins.		Air Temperature.				Dew Point.		Relative Humidity.		Wind Direction and Velocity.		Amount of Cloud.		Rainfall.
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Ins.
	Ins.	Ins.	°	°	°	°	°	°	%	%					
1	.838	.844	78.0	84.0	88.2	75.1	74	77	87	79	S.E. 6	S.E. 12	10	10	
2	.877	.865	78.4	87.4	88.7	73.7	73	77	84	72	N. 4	S.E. 24	0	9	
3	.926	.897	80.2	89.0	89.7	76.1	74	76	83	65	N.E. 4	S.E. 20	10	0	
4	.929	.908	75.8	86.2	88.2	72.8	71	75	83	70	N. 5	S.E. 20	0	6	
5	.940	.920	78.9	82.8	89.2	74.5	71	77	75	82	N. 2	S.W. 10	2	10	
6	.924	.917	79.5	82.5	88.9	74.9	72	75	79	79	N.W. 5	N.W. 9	0	10	1.80
7	.916	.886	76.0	82.4	88.2	71.8	72	76	89	83	N. 2	N. 6	10	10	0.26
8	.873	.797	76.3	90.0	90.5	72.6	72	74	85	59	N.E. 5	S.W. 4	10	10	
9	.854	.835	77.0	81.8	84.6	75.7	73	76	89	82	S.E. 10	S.E. 12	10	10	2.65
10	.863	.875	76.7	77.2	86.3	73.1	73	76	86	95	S.E. 9	N.W. 7	10	10	0.28
11	.856	.904	76.9	76.2	80.6	73.1	75	75	93	95	S.E. 10	S.E. 12	10	10	1.39
12	.898	.843	76.2	83.3	88.2	72.6	71	76	83	72	N. 4	S.E. 17	4	0	
13	.894	.869	79.2	86.0	87.9	75.2	73	76	83	73	N.W. 2	S.E. 17	10	4	
14	.918	.886	74.4	85.0	86.7	72.8	69	78	86	79	N.E. 6	S.E 12	8	10	
15	.917	.897	78.2	84.0	87.6	74.8	73	75	84	74	N. 5	S.E. 15	10	10	
16	.917	.891	77.0	82.9	87.1	72.8	70	73	80	72	N. 5	S.E. 9	10	10	
17	.910	.884	76.2	87.3	88.1	72.6	70	73	83	64	N. 6	S.E. 18	8	1	
18	.907	.904	77.2	87.7	89.8	73.7	70	76	80	67	N. 4	S.E. 12	2	10	
19	.944	.946	77.6	87.4	89.2	75.9	71	74	80	66	N.E. 5	S.E. 15	9	10	
20	.978	.955	79.0	90.9	91.6	75.2	69	70	73	51	N.E. 5	S.E. 18	4	5	
21	.963	.925	77.9	86.1	89.9	74.1	70	76	75	72	N. 5	S.E. 20	0	10	
22	.936	.922	76.5	86.5	87.0	74.8	68	75	78	68	N.E. 3	S.E. 20	10	10	0.07
23	.920	.865	75.9	90.8	91.8	75.0	71	71	83	53	N.E. 3	S.E. 24	10	0	
24	.924	.888	76.5	89.8	90.5	73.1	67	77	76	65	N. 3	S.E. 9	0	9	
25	.878	.884	78.0	82.7	84.9	75.0	72	75	83	77	N.E. 1	S.E. 30	10	10	0.65
26	.898	.863	73.8	82.7	82.9	72.6	72	76	95	79	N. 9	S.E. 8	10	10	0.56
27	.900	.858	77.8	87.3	89.0	72.7	74	75	88	68	S.E. 15	S.E. 24	10	7	
28	.898	.895	76.7	85.7	86.7	71.8	70	74	80	67	N. 5	N.E. 15	4	7	
29	.932	.908	72.6	86.4	89.1	71.6	68	75	83	70	N. 5	S.E. 15	3	7	
30	.953	.969	76.5	79.0	88.9	73.1	72	68	85	67	N.E. 2	N.E. 6	10	10	0.14
31	.967	.917	73.9	89.7	90.6	71.3	69	76	83	63	N. 3	S.E. 17	3	0	
Mean	29.911	29.891	76.9	85.3	88.1	73.7	71	75	83	72	N.E. 5.1	S.E. 14.7	6.7	7.6	
Total	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7.80

Rainfall about 5 times 60-year normal. Giving the greatest total rainfall for July since the year 1887 with 7.10 inches. Frequent distant rain chiefly to north and north-east, with a few days to east, south-east, south and north-west. Frequent distant lightning very vivid to north-east 18th and 26th. Distant thunderstorm to north on 8 days, north-east on 2 days, to east, south-east and south on 1 day each. Local thunderstorm on 5th, 6th, 7th. Overcast forenoon on 19 occasions, and in the afternoon on 23 occasions. South-east rainsquall on 8 days. Maximum temperature above 90 degrees on 5 days. Moderate earthquake on the 14th. Rainfall Upper Kingston 8.07 inches with 14 rainy days.

STATION—KINGSTON. AUGUST, 1931.

Day.	Barometer 29 or 30 ins.		Air Temperature.				Dew Point.		Relative Humidity.		Wind Direction and Velocity.		Amount of Cloud.		Rainfall.
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Ins.
	Ins.	Ins.	°	°	°	°	°	°	%	%					
1	.965	.956	76.8	79.2	89.7	75.8	73	71	85	76	N.E. 4	S.E. 17	8	10	0.20
2	.962	.955	76.0	88.7	90.2	73.8	69	74	80	61	N. 5	S.E. 20	6	0	
3	.975	.934	77.4	87.7	88.8	74.3	72	74	84	63	N.E. 2	S.E. 24	0	9	
4	.946	.949	76.9	89.2	89.6	74.6	70	76	80	66	N. 5	S.E. 15	10	10	
5	.949	.903	79.7	91.2	91.3	75.9	74	72	83	54	N. 6	S.E. 15	2	9	
6	.953	.891	78.0	87.3	89.8	74.1	69	75	75	68	N. 4	S.E. 16	0	10	
7	.966	.910	77.7	88.0	91.3	73.6	70	75	76	65	N. 5	S.E. 20	0	10	
8	.994	.940	79.2	89.0	90.7	75.3	72	76	79	66	N.E. 4	S.E. 20	0	0	
9	.973	.909	79.2	87.5	89.5	74.3	72	77	78	72	N. 3	S.E. 24	0	8	
10	.958	.890	74.8	86.2	91.6	74.3	68	75	79	70	N.E. 6	S.E. 17	0	8	
11	.932	.898	78.2	85.9	89.4	74.3	72	75	81	69	N. 3	S.E. 8	6	10	
12	.873	.850	79.7	90.0	91.7	74.1	73	72	78	56	E. 2	S. 9	0	8	0.25
13	.858	.830	76.6	80.4	82.4	75.5	73	74	89	82	N.E. 10	S.E. 25	10	10	1.22
14	.895	.854	76.7	86.9	89.2	74.1	76	71	97	58	S.E. 12	S.E. 20	10	8	0.08
15	.907	.876	77.1	85.1	89.2	74.2	69	73	78	69	N.E. 6	S.E. 18	8	9	
16	.905	.881	76.6	82.7	89.5	75.1	71	75	82	76	N. 6	S.E. 9	3	10	
17	.896	.837	77.6	88.0	89.9	74.6	72	76	82	68	N.E. 9	S.E. 21	10	6	
18	.923	.872	77.6	91.7	91.9	74.3	72	70	81	49	N.E. 6	S.E. 20	6	3	
19	.853	.918	78.2	89.4	90.9	74.3	71	74	78	62	N.E. 7	S.E. 18	1	0	
20	.974	.914	77.1	89.6	90.7	72.8	68	77	76	65	N. 4	S.E. 15	2	0	
21	.960	.924	78.7	89.0	90.4	74.6	72	75	78	63	N. 5	S.E. 20	4	1	
22	.973	.896	78.9	92.2	92.6	75.1	71	72	75	52	N. 6	S.E. 24	0	0	
23	.988	.939	77.9	91.9	92.7	76.1	71	67	80	44	N. 3	S.E. 24	0	0	
24	.975	.938	76.4	88.8	90.0	73.5	68	76	77	67	N. 4	S.E. 20	8	5	
25	.980	.898	77.2	89.7	89.9	75.4	70	72	80	55	N.E. 5	S.E. 22	7	3	
26	.958	.914	77.2	85.0	89.4	74.1	68	74	76	70	N.W. 2	S.E. 24	0	10	
27	.989	.912	76.7	90.8	91.4	73.3	70	67	79	45	N. 4	S.E. 20	0	0	
28	.952	.958	80.2	89.8	94.1	76.8	70	77	72	66	N. 4	S.E. 30	0	0	
29	.958	.904	76.2	89.7	90.4	73.6	69	78	79	67	N.E. 4	S.E. 12	0	0	
30	.959	.858	78.0	90.3	91.2	75.3	69	76	75	63	N. 6	S. 6	0	0	
31	.909	.885	77.0	88.9	90.3	74.5	69	78	78	68	N.E. 4	S. 9	0	10	0.08
Mean	29.944	29.903	77.6	88.1	90.3	74.6	71	74	80	64	NN.E. 5.0	S.E. 18.1	3.3	5.4	
Total	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1.83

Rainfall slightly less than half of normal. Distant rain to south-east and north-west 5 days. Distant thunderstorm tonorth, north-east, south-east and north-west several days especially during first half of month. Rainfall Upper Kingston 1.36 inch with 4 rainy days.

STATION—KINGSTON. SEPTEMBER, 1931.

Day.	Barometer 29 or 30 ins.		Air Temperature.				Dew Point.		Relative Humidity.		Wind Direction and Velocity.		Amount of Cloud.		Rain-Fall.
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Ins.
	Ins.	Ins.	°	°	°	°	°	°	%	%					
1	.884	.859	76.9	80.2	89.4	74.2	70	74	79	81	N. 4	N. 8	2	10	
2	.887	.810	77.0	87.3	87.7	75.1	73	77	87	70	N. 4	N.W. 9	10	10	
3	.853	.809	78.0	87.0	89.9	75.7	73	76	84	70	N.E. 3	S.E. 12	10	10	0.24
4	.849	.840	76.7	81.2	83.8	74.6	75	76	93	85	N.E. 2	S.E. 5	10	10	0.35
5	.883	.843	73.7	84.4	84.7	73.2	73	72	96	65	N.E. 3	S.E. 15	10	10	
6	.889	.898	76.9	88.0	88.6	73.7	72	75	84	67	N.E. 4	S.E. 12	9	2	0.02
7	.885	.834	75.7	88.0	89.2	72.4	70	75	81	67	N.E. 12	S.E. 12	10	0	
8	.818	.760	74.5	83.9	84.4	73.6	70	73	88	70	N.E. 4	S.E. 15	10	8	0.50
9	.801	.773	76.2	86.7	86.8	73.9	75	77	95	72	S.E. 12	S.E. 15	10	4	0.02
10	.850	.806	76.6	87.3	88.8	74.1	74	76	91	69	N.E. 2	S.E. 20	5	2	
11	.905	.845	75.7	89.5	90.9	72.3	72	73	88	60	N.W. 2	S. 6	4	0	
12	.811	.739	78.2	77.2	83.8	72.2	74	76	89	97	N.W. 5	S.E. 40	8	10	1.10
13	.858	.854	79.6	83.7	87.2	72.7	74	73	81	70	S.E. 17	S.E. 9	10	10	0.10
14	.852	.811	74.7	86.9	87.7	72.3	71	76	88	70	N. 4	S.E 20	8	10	
15	.869	.859	75.6	80.6	86.9	74.6	71	71	83	72	N. 7	S.E. 10	10	10	0.03
16	.872	.816	72.5	90.6	91.2	70.7	67	74	86	59	N.W. 1	S. 7	8	2	
17	.818	.811	77.2	85.5	87.2	74.6	73	75	86	72	N. 6	S.W. 5	2	10	
18	.795	.807	75.2	75.7	83.8	73.9	72	75	91	97	N. 4	N. 9	10	10	0.13
19	.801	.764	72.2	86.2	86.2	70.4	71	76	94	72	N.W. 3	S.E. 10	10	10	0.01
20	.835	.831	74.3	77.2	87.2	72.2	71	74	91	91	N.W. 3	S.E. 3	0	10	0.04
21	.918	.921	74.2	76.6	77.3	73.4	71	75	90	96	N.E. 3	E. 4	10	10	0.80
22	.930	.899	71.7	86.8	88.4	70.5	71	75	95	67	N.E. 6	S.E. 20	10	5	
23	.928	.834	73.8	87.7	91.0	72.2	70	77	88	72	N.W. 2	S.E. 10	5	9	
24	.891	.857	76.0	83.2	88.7	74.3	73	75	90	76	N.E. 3	S.E. 15	3	10	
25	.917	.885	75.2	87.0	88.2	73.8	72	76	91	69	N. 4	S.E. 20	10	10	
26	.957	.940	74.9	86.4	89.1	72.7	71	76	88	72	N. 2	S.E. 20	0	10	
27	.956	.951	76.8	88.7	89.5	73.7	73	76	85	65	N. 5	S.E. 16	10	0	
28	.925	.836	76.6	87.7	88.2	74.8	72	76	84	67	N.E. 5	S. 15	10	8	
29	.905	.868	75.1	87.5	88.2	73.5	70	73	84	64	N.E. 5	S.E. 15	5	6	
30	.944	.889	75.3	87.7	89.7	73.3	70	77	83	69	N.E. 3	S.E. 22	9	6	
Mean	29.876	29.838	75.6	84.9	87.5	73.3	72	75	88	73	N.E. 4.7	S.E. 13.3	7.6	7.4	
Total	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3.34

Rainfall almost the average. Rain to north, east, south and south-west, on several days. Distant lightning to north north-east, south-east and west on 8 evenings. Distant thunderstorm to north, north-east, south and south-west on 11 days. Local thunderstorm on 2nd, 3rd, 15th, 20th and 25th. South-east rainsquall on 6 days. Gale on the 12th in the afternoon. Slight earthquake on 2nd and 6th. Rainfall Upper Kingston 4.18 inches with 10 rainy days.

STATION—KINGSTON. OCTOBER, 1931.

Day.	Barometer 29 or 30 ins.		Air Temperature.				Dew Point.		Relative Humidity.		Wind Direction and Velocity.		Amount of Cloud.		Rainfall.
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Ins.
	Ins.	Ins.	°	°	°	°	°	°	%	%					
1	.957	.874	76.9	88.6	90.9	74.7	72	77	83	70	N. 3	S.E. 12	10	10	
2	.873	.807	76.7	83.3	88.2	75.0	73	77	88	81	N.W. 2	S.E. 10	0	10	0.20
3	.847	.806	74.7	82.2	88.2	72.3	72	76	90	82	N.E. 2	N.E. 4	0	10	0.03
4	.838	.836	76.0	75.2	84.0	74.1	73	72	91	90	E. 4	S.E. 30	10	10	1.02
5	.926	.847	72.0	75.2	75.9	71.1	71	74	98	98	N. 6	S. 4	10	10	1.83
6	.890	.900	69.9	75.7	87.6	68.6	69	73	96	90	N. 6	S.E. 12	10	10	0.44
7	.898	.876	73.7	83.3	87.2	71.5	72	74	94	74	N. 5	S.E. 10	7	7	
8	.882	.830	75.2	86.4	88.2	72.4	71	75	89	70	N. 2	S.E. 28	10	5	
9	.875	.795	75.0	85.2	88.0	72.6	70	77	84	75	N. 5	N.W. 6	0	9	
10	.890	.818	74.9	88.1	88.5	73.7	71	76	88	68	N. 5	S.E. 20	10	9	
11	.883	.851	75.2	89.2	89.4	72.7	71	75	86	63	N.W. 4	S.E. 8	4	8	
12	.874	.813	76.0	87.9	88.4	74.4	73	77	92	70	N.E. 2	S.E. 12	0	1	
13	.827	.776	75.7	86.2	88.1	74.2	72	76	88	72	N.E. 4	S.E. 10	0	6	
14	.854	.806	74.9	88.0	88.5	74.1	71	74	87	65	N.E. 3	S.E. 17	0	2	
15	.893	.825	76.7	87.4	88.4	75.1	73	77	87	72	N. 4	S.E. 15	10	10	
16	.871	.814	75.9	87.6	87.8	74.8	73	77	90	69	S.E. 1	S.E. 12	7	10	
17	.858	.782	74.6	86.4	88.3	72.3	71	71	85	62	E. 2	S.E. 15	0	10	0.05
18	.822	.817	81.2	84.1	85.7	76.8	71	75	73	76	S.E. 15	S.E. 15	10	10	0.37
19	.840	.805	78.6	75.6	82.3	75.6	77	73	93	91	S.E. 10	S.E. 8	10	10	1.59
20	.846	.807	76.0	82.8	83.1	74.2	75	77	97	81	N.E. 4	S. 3	10	10	0.14
21	.884	.836	73.4	84.0	86.8	71.8	71	76	94	78	N. 2	S.E. 7	0	10	
22	.870	.843	74.9	87.2	87.4	73.8	73	73	92	64	N.E. 2	S.E. 6	0	8	
23	.901	.866	74.0	82.7	87.9	73.1	70	76	88	80	N. 5	N. 5	0	10	
24	.899	.863	74.2	80.9	87.5	72.3	69	75	86	82	N.E. 8	N.W. 8	0	9	0.13
25	.923	.882	73.9	81.0	83.6	70.2	72	71	91	87	N. 6	N.W. 6	0	10	0.11
26	.904	.831	73.1	83.8	89.3	71.5	69	76	88	78	N. 4	N. 5	0	10	
27	.863	.828	75.7	83.2	88.1	73.9	72	76	88	79	N. 6	N.W. 5	10	10	
28	.839	.781	74.7	84.7	88.2	73.4	73	75	93	72	N.E. 2	S.E. 6	10	10	0.13
29	.835	.818	75.2	81.5	87.4	73.1	71	75	89	80	S.E. 8	S.E. 9	0	10	
30	.866	.821	76.0	85.0	87.9	74.0	72	77	87	76	S.E. 9	S.E. 15	3	8	
31	.856	.807	75.2	85.3	87.7	74.3	72	74	91	71	N.W. 2	S.E. 15	4	10	
Mean	29.874	29.828	75.2	83.8	87.0	73.2	72	75	89	76	N.E. 4.6	S.E. 11.2	4.7	8.7	
Total	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6.04

Rainfall 15% below normal. Distant rain was observed to north, north-east, east and south on many days. Distant lightning to north on 1st, north-east on 8th and 21st. Distant thunderstorm to north on 8th, 10th, 11th, 12th, 18th, and 21st to north-east on 23rd to south-east on 5th, to seaward on 5th and 17th and to north-west on 27th. Local thunderstorm (moderate) on 6th, 11th, 19th, 20th, and 23rd. South-east rainsquall on 4th, 6th, 18th, and 25th. Overcast a.m. on 4 days and p.m. on 4 days. South-east wind continued until late on 7 occasions, started early on 11 occasions and continued throughout once. Rainfall Upper Kingston 7.09 inches with 13 rainy days.

STATION—KINGSTON. NOVEMBER, 1931.

Day.	Barometer 29 or 30 ins.		Air Temperature.				Dew Point.		Relative Humidity.		Wind Direction and Velocity.				Amount of Cloud.		Rainfall.
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.		3 p.m.		7 a.m.	3 p.m.	Ins.
	Ins.	Ins.	°	°	°	°	°	°	%	%							
1	.839	.810	74.2	86.7	87.3	73.8	69	76	87	70	N.	4	S.E.	12	0	3	
2	.860	.803	73.9	83.7	86.9	72.0	69	76	86	76	N.	2	S.E.	15	10	3	
3	.872	.810	73.2	84.1	85.0	72.2	69	72	88	66	N.E.	3	S.E.	12	0	9	
4	.859	.808	77.7	84.6	86.2	72.2	73	74	84	70	S.E.	12	S.E.	12	0	3	0.21
5	.849	.830	74.6	84.6	86.4	73.6	84	76	97	74	S.E.	8	S.E.	40	10	10	1.18
6	.831	.778	75.2	75.5	78.7	72.9	73	74	93	98	S.E.	6	E.	2	10	10	1.98
7	.808	.735	72.2	85.1	85.3	70.3	71	65	98	70	Calm		S.	6	10	9	0.13
8	.784	.722	73.9	83.9	85.6	72.5	72	75	91	73	N.E.	3	S.E.	10	8	4	0.12
9	.757	.760	75.9	84.5	86.0	73.3	71	73	83	66	N.E.	4	S.E.	4	10	10	
10	.842	.788	76.2	86.2	87.3	74.5	72	73	88	65	N.	3	S.	3	9	8	
11	.863	.799	73.2	86.8	86.8	71.6	71	72	92	62	N.	2	S.	9	10	5	
12	.867	.796	71.7	85.7	86.2	70.2	68	73	87	65	N.	3	S.	8	3	10	
13	.833	.798	72.2	87.2	87.4	71.0	69	71	90	59	W.	2	S.	8	3	1	
14	.861	.829	74.9	88.3	89.2	73.6	72	71	91	58	W.	4	S.E.	6	5	10	
15	.900	.850	72.2	89.9	89.9	71.4	69	69	90	51	W.	2	W.	4	10	1	
16	.894	.843	74.6	87.0	88.2	73.6	71	71	86	59	N.E.	3	S.E.	15	4	10	
17	.880	.810	75.1	90.9	91.0	72.6	70	69	84	48	N.	6	W.	6	8	2	
18	.844	.787	73.2	83.9	84.2	70.6	68	70	86	63	N.	3	S.W.	3	10	5	
19	.829	.761	70.2	86.5	86.5	68.7	67	67	90	54	N.	4	S.	5	0	8	
20	.822	.764	70.2	84.3	85.4	69.0	65	70	85	62	N.	4	S.	6	0	9	
21	.809	.798	71.2	76.6	85.1	70.1	66	73	86	87	N.	4	N.E.	8	0	10	
22	.844	.809	71.2	81.2	85.5	69.7	68	71	90	70	N.E.	2	S.E.	6	0	10	
23	.869	.791	70.9	85.5	87.4	69.6	68	70	89	61	N.E.	2	S.	5	0	10	
24	.827	.798	73.2	82.0	83.0	72.8	68	72	87	72	N.E.	6	N.	5	2	10	0.02
25	.850	.817	72.2	86.1	88.6	70.4	67	74	85	60	N.	9	S.	4	0	0	
26	.908	.867	75.0	78.7	88.9	73.7	71	76	87	90	N.	4	N.	10	5	10	0.24
27	.936	.870	73.3	85.5	86.9	71.9	71	73	94	67	N.E.	6	S.	8	10	9	
28	.886	.814	71.0	83.6	84.9	69.8	69	70	92	62	N.	6	S.E.	5	0	8	
29	.827	.799	74.9	78.6	79.6	72.1	73	70	92	73	S.E.	7	S.	6	10	10	
30	.838	.807	68.8	83.0	85.8	67.7	65	72	87	69	N.E.	6	S.E.	5	0	10	0.06
Mean	29.850	29.802	73.2	84.3	86.2	71.6	70	72	89	68	N.E.	4.3	S.E.	8.3	5.0	7.2	
Total	..	..	..	..	..	..	..	..	..	..	..		..		..	..	3.94

The rainfall, most of which occurred during the early part of the month was one-third above normal. Distant rain was observed to north on 24th, 26th, and 30th, to north-east on 26th, to east on 24th and 30th. South-east rainsquall on 5th. Rainfall Upper Kingston 3.88 inches with 7 rainy days. South-east wind started early on 3 occasions, continued until late on 6 occasions and continued throughout on one occasion. Northers varying from 6 to 12 miles per hour prevailed during early part of month.

STATION—KINGSTON. DECEMBER, 1931.

Day.	Barometer 29 or 30 ins.		Air Temperature.				Dew Point.		Relative Humidity.		Wind Direction and Velocity.		Amount of Cloud.		Rainfall.
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Ins.
	Ins.	Ins.	°	°	°	°	°	°	%	%					
1	.871	.839	73.3	79.3	82.7	71.5	71	70	92	74	N. 5	S.E. 12	10	9	0.43
2	.937	.937	71.8	73.2	77.9	70.7	70	71	93	94	N. 5	S.E. 15	10	10	0.40
3	.936	.898	69.8	85.8	86.7	67.8	69	71	95	61	N. 2	S.E. 26	2	1	
4	.964	.875	72.2	86.5	86.8	69.1	66	69	79	58	N.E. 5	S.E. 20	0	0	
5	.957	.895	71.1	86.5	87.1	70.1	68	69	90	56	N. 3	S.E. 20	0	8	
6	.969	.902	70.2	85.6	86.8	69.8	66	69	87	57	N. 2	S.E. 20	0	0	
7	.992	.906	74.2	85.6	87.1	70.3	68	69	81	56	N. 6	S.E. 20	10	0	
8	.983	.935	69.4	86.1	87.7	67.1	65	71	88	60	N.E. 2	S.E. 20	0	0	
9	.988	.920	70.2	85.0	86.2	68.4	65	72	85	64	N.E. 8	S.E. 20	3	8	
10	.944	.855	72.7	90.4	91.4	71.0	68	70	84	52	N.W. 6	S. 6	10	5	
11	.920	.828	67.7	88.9	90.0	66.3	65	71	89	54	N.W. 2	W. 5	10	7	
12	.889	.828	71.2	87.4	87.7	71.0	69	68	93	54	N.E. 3	S. 5	0	0	
13	.914	.894	71.5	84.1	87.2	70.8	65	72	80	66	N. 8	S.E. 20	0	0	
14	.008	.935	70.0	88.5	89.7	69.8	65	68	84	52	N. 8	S.E. 6	0	2	
15	.974	.915	69.3	86.2	86.8	68.8	64	72	85	63	N.E. 4	S.E. 9	0	2	
16	.922	.859	73.2	86.5	86.8	70.1	68	70	84	58	N. 4	S.E. 15	10	2	
17	.945	.911	72.2	84.3	85.5	69.8	66	70	80	62	N. 3	S.E. 20	7	2	
18	.021	.971	70.2	86.4	87.7	69.3	64	67	83	53	N. 5	S.E. 20	6	0	
19	.996	.918	68.9	85.2	86.7	67.4	66	69	90	57	N. 4	S.E. 15	8	10	
20	.942	.885	67.9	87.2	87.7	66.8	63	70	86	57	N. 5	S.E. 9	0	2	
21	.976	.926	69.9	84.2	87.7	69.1	66	70	87	62	N.E. 3	S.E. 20	0	10	
22	.010	.955	69.7	82.4	84.0	68.1	65	70	86	67	N. 3	S.E. 7	8	10	
23	.988	.939	67.2	84.4	84.4	66.4	62	68	85	59	N.E. 6	S.E. 6	0	5	
24	.988	.922	68.9	86.2	86.7	67.1	64	67	83	53	N. 2	S.E. 9	8	0	
25	.990	.936	68.0	84.0	85.2	67.3	63	72	86	67	N. 3	S. 5	0	2	
26	.980	.935	67.2	85.2	85.4	66.6	60	67	79	56	N.E. 6	S.E. 6	0	0	
27	.953	.892	69.2	86.7	86.7	68.3	64	68	85	54	N. 2	S. 6	2	10	
28	.935	.875	67.8	83.9	84.6	66.7	61	75	77	76	S.E. 8	S.E. 15	0	8	
29	.928	.859	68.2	84.7	85.0	67.6	63	69	83	58	N. 3	S.E. 6	0	10	
30	.913	.860	69.2	85.2	86.1	69.1	63	69	81	59	N.E. 2	S.E. 15	0	8	
31	.898	.859	78.0	81.5	86.2	72.5	70	72	76	76	S.E. 12	S.E. 15	3	10	0.09
Mean	29.956	29.899	70.3	85.1	86.4	68.9	66	70	85	61	NN.E. 4.5	S.E. 13.3	3.4	4.5	
Total	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0.92

Rainfall about two-thirds of average. Distant rain observed to north and lower St. Andrew on 3 days, to north-east on one day,. Distant thunder to north-east on 28th. South-east wind continued till late on two occasions and throughout on 30th and 31st. South-east rain squall on 17th and 31st. Light earthquake shock on 9th at 7.20 a.m. Rainfall Upper Kingston, 1.14 inch with 3 rainy days. Total rainfall for the year 33.18 inches. Average 31.57 inches.

KINGSTON, JAMAICA.—Mean Meteorological Results for the Year 1931. Latitude 17° 58′ North. Longitude 76° 48′ West.

Month	Mean Pressure.	Air Temperatures. 7 a.m.	3 p.m.	Mean.	Means of Max.	Means of Min.	Absolute Max. and Min. Max.	Date.	Min.	Date.	Dew Point. 7 a.m.	3 p.m.	Mean.	Relative Humidity. 7 a.m.	3 p.m.	Mean.	Amount of Cloud. 7 a.m.	3 p.m.	Mean.	Rainfall. Inches. Total.	Max.	Date.	Weather No. of days of Thunderstorm.	Rain.	Clear Sky.	Overcast.	Gales.	Winds. No. of Observations. N.	NE	E.	S.E.	S.	SW	W.	NW.	Calm.
	Ins.	°	°	°	°	°	°		°	*	°	°	°	%	%	%																					
Jan.	29.952	71.0	83.8	77.1	85.8	69.8	89.5	16	66.6	28	66	70	68	85	63	76	2.5	5.9	4.2	0.85	0.76	25	..	5	9	21	..	15	11	3	19	6	2	..	6	..
Feb.	.920	70.9	84.4	77.2	86.2	69.5	90.5	26	62.3	6	65	69	67	82	60	75	2.8	5.3	4.0	0.16	0.12	2	..	3	7	14	..	1	9	1	15	6	2	..	8	..
Mar.	.918	71.9	84.3	77.8	86.7	70.2	89.9	26	63.8	20	65	70	67	79	62	73	4.8	5.9	5.4	0.91	0.68	3	..	5	6	24	..	22	7	1	24	5	1	..	2	..
April	.891	76.8	86.1	80.6	88.2	73.2	90.6	3	69.8	12	70	73	72	79	65	76	3.4	4.7	4.0	0.85	0.26	7	..	6	11	15	..	18	6	1	27	6	..	..	2	..
May	.875	78.9	85.5	81.3	88.7	74.0	93.2	26	70.0	26	71	74	72	77	70	78	5.7	7.3	6.5	3.76	0.84	21	..	9	7	20	..	17	9	1	30	1	1	2	1	..
June	.916	78.6	85.9	81.7	89.3	75.1	93.4	14	70.8	7	73	75	74	82	70	79	6.6	8.0	7.3	2.78	0.89	7	1	12	4	8	..	17	6	2	31	2	..	1	1	..
July	.913	76.9	85.3	80.5	88.1	73.7	91.8	23	71.3	31	71	75	73	83	72	81	6.7	7.6	7.2	7.80	2.65	9	3	9	..	8	..	16	11	..	29	..	2	..	4	..
Aug.	.935	77.6	88.1	82.1	90.3	74.6	94.1	28	72.8	20	71	74	73	80	64	76	3.3	5.4	4.3	1.83	1.22	13	..	5	9	5	..	16	12	1	29	3	..	.	1	..
Sept.	.869	75.6	84.9	79.8	87.5	73.3	91.2	16	70.4	19	72	75	73	88	73	84	7.6	7.4	7.5	3.34	1.10	12	1	12	..	12	1	11	13	1	24	3	1	..	7	..
Oct.	.863	75.2	83.8	78.8	87.0	73.2	90.9	1	68.6	6	72	75	74	89	76	86	4.7	8.7	6.7	6.04	1.83	5	2	12	1	11	..	15	9	2	27	2	..	.	7	..
Nov.	.838	73.2	84.3	78.8	86.2	71.6	91.0	17	67.7	30	70	72	71	89	68	81	5.0	7.2	6.1	3.94	1.98	6	..	8	4	7	..	15	10	1	17	11	1	4	..	1
Dec.	29.941	70.3	85.1	77.2	86.4	68.9	91.4	10	66.3	11	66	70	68	85	61	76	3.4	4.5	4.0	0.92	0.43	1	..	3	11	4	..	18	9	..	28	4	..	1	2	.
Means	29.903	74.7	85.1	79.4	87.5	72.3	91.5	..	68.4	..	69	73	71	83	67	78	4.7	6.5	5.6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	33.18	..	..	7	89	69	149	1	195	112	14	300	49	10	8	41	1

*And other days.

Barometer Pressure reduced to the Standards of National Physical Laboratory 32°, Gravity at Latitude 45°, and to mean Sea Level. The 75th Meridian West of Greenwich Standard Time used. Altitude of Standard Barometer above Mean Sea Level 24 ft. Height of Thermometer above ground 4 ft. Height of Rain-gauge above ground 51 ft. Height of Anemometer above ground 69 ft.

NEGRIL POINT LIGHT HOUSE, JAMAICA.—Mean Meteorological Results for the Year 1931. Latitude 18° 15′ North. Longitude 78° 23′ West.

Month	Mean Pressure.	Air Temperatures.									Dew Point.			Relative Humidity.			Amount of Cloud.			Rainfall. Inches.			Weather No. of days of					Wind. No. of Observations.								
		7 a.m.	3 p.m.	Mean.	Means of Max.	Means of Min.	Absolute Max. and Min. Max.	Date.	Absolute Max. and Min. Min.	Date.	7 a.m.	3 p.m.	Mean.	7 a.m.	3 p.m.	Mean.	7 a.m.	3 p.m.	Mean.	Total.	Max.	Date.	Thunderstorm.	Rain.	Clear Sky.	Overcast.	Gales.	N.	NE.	E.	S.E	S.	SW.	W.	NW.	Calm.
	ins.	°	°	°	°	°	°		°		°	°	°	%	%	%																				
Jan.	29.967	72.9	82.5	77.4	85.2	71.0	89.2	9	63.6	29	68	70	69	83	66	77	6.5	6.4	6.4	2.87	1.74	1	1	7	1	5	..	15	18	7	8	4	2	1	4	3
Feb.	.937	72.0	82.6	76.9	85.3	70.0	89.3	8	64.4	22	66	69	67	82	63	76	4.9	4.4	4.7	1.34	0.58	13	..	7	2	4	..	13	14	3	5	6	6	..	9	..
Mar.	.940	72.8	82.1	77.0	84.7	70.2	89.5	28	63.6	21	67	68	68	80	64	75	6.0	6.3	6.2	1.54	0.82	14	..	7	3	9	..	20	12	4	10	3	3	3	7	..
April	.916	76.5	83.9	79.6	87.3	72.6	92.7	28	69.0	5	71	72	71	83	68	80	7.2	6.7	6.9	2.30	0.87	11	1	10	1	8	..	11	21	1	7	4	1	1	14	..
May	.881	78.7	84.6	80.9	88.6	73.8	92.3	6	71.4	* 30	73	75	74	82	72	82	8.3	9.0	8.6	6.32	2.35	24	4	14	..	13	..	5	15	13	14	6	2	1	4	2
June	.922	79.1	83.5	80.7	89.1	73.3	92.2	20	69.6	* 7	73	75	74	83	76	83	8.6	8.8	8.7	9.21	2.02	28	4	20	..	7	..	14	21	8	9	2	2	2	4	..
July	.917	78.1	84.8	80.9	89.0	73.6	92.7	24	70.9	24	73	76	74	84	75	83	8.9	9.7	9.3	3.38	1.15	26	7	16	..	13	..	11	23	6	15	3	..	2	..	2
Aug.	.961	78.5	86.4	82.0	90.9	74.2	93.5	17	71.5	3	72	75	74	81	71	80	7.7	7.3	7.6	2.31	0.68	5	6	13	2	6	..	10	28	4	5	7	4	..	3	1
Sept.	.886	77.4	84.8	80.9	89.4	73.9	93.7	4	70.7	19	73	77	75	87	76	86	8.3	9.2	8.8	6.33	1.71	25	7	17	..	10	..	15	16	8	14	..	2	1	4	..
Oct.	.874	76.8	83.9	80.2	88.1	73.9	91.1	16	71.4	6	73	75	74	86	76	84	8.1	9.2	8.6	4.39	0.76	18	2	17	..	12	..	12	19	7	16	3	2	..	3	..
Nov.	.859	74.8	83.7	78.8	86.2	72.4	90.8	15	67.2	19	70	72	71	85	69	80	6.7	7.1	6.9	3.74	1.08	7	..	12	2	3	..	19	22	3	7	4	2	1	2	..
Dec.	29.960	72.9	85.1	78.5	88.1	70.1	90.1	18	65.4	24	67	71	69	81	63	75	4.9	6.5	5.7	1.71	1.54	2	1	7	2	4	..	5	27	4	9	10	2	..	3	2
Means	29.918	75.9	84.0	79.5	87.7	72.4	91.4	..	68.2	..	71	73	72	83	70	80	7.2	7.5	7.4		..	..														
Total	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	45.44	..	..	33	147	13	94	..	150	236	68	119	52	28	10	57	10

*And other days.

Barometer Pressure reduced to the Standards of National Physical Laboratory 32°, Gravity at Latitude 45°, and to Mean Sea Level. The 75th Meridian West of Greenwich Standard time used. Altitude of Standard Barometer above Mean Sea Level 33 ft. Height of Thermometers above the ground 4 ft. 6 ins. Height of Rain-gauge above the ground 6 ft. 5 ins. Height of Anemometer above the ground 94 ft.

MORANT POIN LIGHT HOUSE, JAMAICA.—Mean Meteorological Results for the Year 1931. Latitude 17° 55′ North. Longitude 76° 12′ West.

Month	Mean Pressure.	Air Temperatures.									Dew Point.			Relative Humidity.			Amount of Cloud.			Rainfall. Inches.			Weather No. of days of					Winds. No. of Observations.								
		7 a.m.	3 p.m.	Mean.	Means of Max.	Means of Min.	Absolute Max. and Min. Max.	Date.	Absolute Max. and Min. Min.	Date	7 a.m.	3 p.m.	Mean.	7 a.m.	3 p.m.	Mean.	7 a.m.	3 p.m.	Mean.	Total.	Max.	Date.	Thunderstorm.	Rain.	Clear Sky.	Overcast.	Gales.	N.	NE.	E.	S.E.	S.	SW.	W.	NW.	Calm.
	Ins.	°	°	°	°	°	°		°	*	°	°	°	%	%	%																				
Jan.	29.984	78.1	80.6	78.2	81.7	74.4	85.5	1	69.1	6	71	71	71	78	74	78	4.7	4.7	4.7	6.58	2.53	25	..	22	..	12	6	11	28	17	2	..	..	..	2	2
Feb.	.947	75.0	80.0	76.5	81.3	71.9	84.4	25	66.0	* 5	70	71	70	84	74	83	4.9	4.4	4.6	3.45	0.80	17	..	12	2	3	4	3	30	10	4	..	..	..	5	4
Mar.	.948	76.0	80.8	77.4	82.3	72.4	85.7	22	59.6	20	70	72	71	82	74	81	5.4	5.4	5.4	1.10	0.37	12	..	6	2	4	2	8	19	11	1	1	1	..	16	5
April	.926	78.3	82.1	79.3	84.1	74.6	86.6	1	69.0	* 17	74	74	74	86	77	86	5.9	5.9	5.9	10.49	2.70	15	1	18	..	5	..	4	24	18	3	..	1	1	6	3
May	.895	80.5	83.7	81.0	85.7	76.0	87.9	13	70.0	26	74	75	75	83	76	84	5.8	6.7	6.3	5.64	1.18	25	1	15	..	7	2	3	11	34	4	..	1	2	4	3
June	.939	81.3	83.7	81.5	85.8	77.3	88.1	4	72.2	7	76	77	76	85	79	86	7.3	6.5	6.9	12.80	2.03	6	3	22	..	17	..	3	18	29	1	..	..	..	2	7
July	.936	82.3	84.3	82.2	86.3	77.8	88.0	23	72.8	14	76	77	77	82	76	83	7.1	6.4	6.7	6.61	1.14	7	4	21	..	10	..	..	16	43	..	..	..	..	3	..
Aug.	.978	83.4	85.9	83.7	87.5	79.9	89.5	31	74.0	* 3	77	77	77	81	75	82	5.1	4.2	4.6	1.17	0.36	13	3	11	..	3	1	6	22	34	..	..	..	..	..	..
Sept.	.904	81.7	84.1	81.8	86.1	76.7	89.2	11	71.5	21	76	76	76	84	77	85	7.3	7.1	7.2	9.38	2.64	21	2	24	..	8	1	4	18	26	6	..	1	1	4	..
Oct.	.901	81.5	83.7	81.6	85.7	77.1	87.3	11	69.0	6	76	76	76	83	78	84	7.0	6.1	6.6	15.59	5.08	4	4	24	1	7	..	5	18	29	4	..	..	..	2	4
Nov.	.871	79.2	81.8	79.3	83.3	74.8	86.6	1	68.0	30	73	74	73	83	77	83	6.0	5.9	5.9	17.72	8.67	23	1	22	..	2	4	9	27	4	6	..	1	2	6	5
Dec.	29.984	78.7	81.5	79.1	82.7	75.8	84.2	5	71.0	3	72	72	72	80	74	80	4.9	4.9	4.9	3.97	1.13	1	..	17	..	2	..	4	43	14	1	..	..	..	..	..
Means Totals	29.934	79.7	82.7	80.1	84.4	75.7	87.0	..	69.4	..	74	74	74	83	76	83	6.0	5.7	5.8	94.50	..	..	19	214	5	76	20	60	274	269	32	1	5	6	50	33

*And other days.

Barometer Pressure reduced to the Standard of National Physical Laboratory 32°. Gravity at Latitude 45° and to Mean Sea Level. The 75th Meridian West of Greenwich Standard Time used. Altitude of Standard Barometer above Mean Sea Level 8 ft. Height of Thermometers above ground 4 ft. 6 ins. Height of Rain-gauge above ground 3 ft. Height of Anemometer above the ground 18 ft.

METEOROLOGICAL—JAMAICA.

Climatic Conditions—The Island.

Monthly Precipitation.

January. The Mean Rainfall exceeded the normal in all the divisions, particularly the north-eastern which was nearly double the normal. The heaviest precipitation appears to have occurred on 25th, but the rainfall was well distributed. The mean number of rainy days was 12 or 4 more than the average. The greatest fall was 49.94 inches at Millbank in the north-eastern division, and the heaviest fall in 24 hours was 10.00 inches at Greenvale in the same division on 25th. The greatest amount of rain fell in Portland, shewing a mean of 21.70 inches.

February. The mean rainfall was slightly more than the normal. The north-eastern and southern divisions were just under, and the northern and west-central divisions somewhat above their normals. The heaviest precipitation appears to have occurred from the 7th to 14th, but the rainfall was fairly well distributed, the mean number of rainy days being 8 or one more than the average for the month. The greatest total fall of 26.32 inches occurred at Orange Vale in the north-eastern division, and the heaviest fall in 24 hours was 6.80 inches at the same station on 13th. Greatest amount of rain fell in Portland shewing a mean of 91.85 inches. No rain fell at Plumb Point Lighthouse and Glenmuir.

March. The mean rainfall for the month was above the average. The north-eastern and northern divisions had much above their average rainfall, while the west-central and southern divisions had less than theirs. Most of this rainfall appears to have occurred about the 3rd and again on 12th and 13th, when exceptionally heavy falls occurred, especially in the parishes of Portland and St. Mary, causing extensive damage to roads. There were, however, 6 rainy days as against the average of 8—hence not so well distributed. The greatest total fall for the month was 35.76 inches at Shrewsbury in the north-eastern division, and the heaviest fall in 24 hours was 24.79 inches at the same station on 13th, while at Paradise, in the same division, 23.65 inches was gauged on the same date. The greatest amount of rain fell in Portland with a mean of 12.32 inches, followed closely with 10.23 inches in the parish of St. Mary.

April The month's mean rainfall was exceeded, over the normal, in all the divisions. The rainfall was well distributed the mean number of rainy days being 11, as compared with the average of 9—Bath and Burnt Ground had the most rainy days with 21 each. The greatest precipitation appears to have occurred from 6th to 13th and on the 25th and 28th. The greatest total fall for the month was 32.40 inches, at Greenvale in the north-eastern division, and the heaviest fall in 24 hours was 12.00 inches at the same station on the 9th. The parish of Portland continued to shew the greatest parish rain with 16.43 inches, and Kingston the least with only 0.93 inch.

May. The mean rainfall for the month shewed a marked excess over the normal in all the divisions, except the southern which was slightly below the normal. The "May Season" therefore, was more in evidence than in the year previous. Heavy Flood rains occurred along the north coast on 15th, 16th, 17th, and again from the 22nd to 25th, causing serious damage to roads. The mean number of rainy days was 15, and the average 12. The greatest number was 29 at Bethel Town district, in the west-central division. The greatest total fall for the month was 33.62 inches at Canaan in the northern division, and the greatest fall in 24 hours was 11.10 inches at Windsor Castle in Portland, on 16th. The greatest months mean fall is shewn in the parish of St. James, with 20.74 inches, followed by St. Mary with 18.75 inches.

June. The mean rainfall for the month was much above the normal in all the divisions. The heaviest precipitation appears to have taken place on the 6th and 10th, but the rainfall was well distributed. The mean number of rainy days being 15, as compared with the average of 10. The greatest number being 27 at Burnt Ground in the west-central division. The greatest total fall for the month was 31.26 inches at Priestman's River in the north-eastern division, and the heaviest fall in 24 hours was 8.14 inches at Clifton Hill in the west-central division on the 10th. The parish of Hanover shewed the greatest mean with 15.70 inches, followed by Portland with 15.59 inches.

For the half year this phenomenal rainfall totalled 45.65 inches as against the aggregate normal total of 31.91 inches, or 13.74 inches in excess of precipitation.

July. The mean rainfall for the month greatly exceeded the normal in all the divisions, being the greatest rainfall for July on record during the past 62 years, gauging 9.93 inches. July 1893, the next below, gave 9.15 inches. The heaviest precipitation took place between the 9th and 11th, also on 25th and 26th. The rainfall was fairly well distributed with 13 rainy days as against the average of 9. The west-central division shewed 16 rainy days. The greatest total fall for the month was 36.38 inches, at Hope Bay in the north-eastern division, and the heaviest fall in 24 hours was 8.30 inches at Buff Bay, in the same division on the 25th. The parish of Portland gauged the highest total with 19.49 inches, and the parish of St. Ann the least with 4.85. inches.

August. The mean rainfall for the month was much below the average in all divisions, being 4.26 inches as against the nomal of 6.93 inches. Most of this small rainfall occurred on the 13th. The mean number of rainy days was 7 as against the average of 11. The greatest number was 17 at Bath in St. Thomas and at Highgate in St. Catherine. The greatest total fall for the month was 15.77 inches, at Millbank in the north-eastern division, and the heaviest fall in 24 hours was 10.25 inches, at Wentworth in the northern division on 13th. Portland gauged the highest mean with 8.79 inches, and Kingston the least with 2.07 inches.

September. For the month, the total mean rainfall was 7.47 inches, as against the normal of 7.91 inches, shewing slightly less than the average. The north-eastern and southern divisions shewed an excess, but there was a deficiency in the northern and west-central divisions. The heaviest precipitation appears to have occurred on 12th and 20th, but the rainfall was well distributed, as the mean number of rainy days was 13, which corresponds with the month's average. The greatest number of rainy days was 26 at Bath in the north-eastern division. The greatest total fall for the month was 19.62 inches at Millbank in the north-eastern division, and the heaviest fall in 24 hours was 6.00 inches at Manchioneal in the same division, on the 20th. On the 12th there occurred a south-east gale (which reached 50 miles per hour for a few minutes) which did extensive damage to banana cultivation throughout the Island, and on the 14th there was a local whirlwind of high velocity at Bandon Pen in the parish of St. James, which blew down a large number of banana trees. The parish of St. Thomas gauged the highest mean for the month, with 14.96 inches, and St. Ann the least with only 4.06 inches.

October. The October "Rainy Season" gauged above the normal, for the mean rainfall for the month was 11.81 inches as against the average of 10.39 inches. There was a marked excess in the north-eastern division. The northern and southern divisions were slightly above the average, but there was a slight shortage in the west-central division. Most of the rain points to have fallen in the first and third weeks, and particularly on the 4th as well as the 18th and 21st. The rainfall was evidently uniformly distributed, as the mean number of rainy days was 16, as against the average of 14. The greatest number of rainy days was 28 at Bath in the north-eastern division. The greatest total fall for the month was 44.86 inches at Millbank in the north-eastern division, and the heaviest fall in 24 hours was 8.00 inches at Moore Town in the same division on the 4th. At Windsor in St. Elizabeth, two inches of rain fell in about 25 minutes on the 24th. The parish of Portland gave the highest mean rainfall of 22.34 inches, and the parish of Trelawny the least, with 6.12 inches.

November. The mean rainfall for this month was above the normal, and was exceeded in the north-eastern and southern divisions, but the northern and west-central divisions were deficient. The general mean shews 9.24 inches, and the normal 8.70 inches. The heaviest precipitation appears to have taken place during the first and third weeks, but the distribution was fairly uniform, there being a mean of 14 rainy days as against the normal of 12. The greatest number of rainy days was 29, at Bath in the north-eastern division. The greatest total fall for the month was 55.77 inches at Greenvale in the north-eastern division and the heaviest fall in 24 hours was 10.60 inches at Manchioneal in the same division on the 23rd. Portland shews the greatest mean rainfall of 33.57 inches, and the parish of Kingston the least, with only 3.60 inches.

December. The mean rainfall was much below the normal in all the divisions, shewing 3.11 inches as against the average of 5.72 inches. Most of the rain appears to have fallen from the 1st to 4th, and again from the 28th to 31st. The mean number of rainy days was 8, as against the normal of 9. The greatest number of rainy days was 29 at Hampstead in the north-eastern division. The greatest total for the month was 20.40 inches at Millbank in the north-eastern division and the heaviest fall in 24 hours was 4.75 inches at Greenvale in the same division, on 20th. No rain fell at Bull Bay in the southern division. Portland, again, for the ninth month in the year, gave a mean highest rainfall with 11.25 inches.

The Island Rainfall for the year, 1931.

The total mean fall for the 12 months was 91.53 inches as against the 50 year-normal of 76.46 inches, shewing an excess of a little over 15 inches. The first half of the year shewed 13.74 inches in excess, and the second half 1.45 in excess in the aggregate. The months of August and December only, were a little below their normals, the remainder were much above. The north-eastern division was 33%, the northern division 35%, and the southern division 12% above the normal, whilst the west-central division was about 1% below the normal.

The total rainfall of 91.53 inches for the year 1931 has been phenomenal, being the third greatest total rainfall for 62 years. In 1915 is recorded 104.95 inches, and in 1916, 106.22 inches, and the next lower than 1931 is 90.61 in the year 1886.

The mean number of rainy days for the year was 138 as against the normal o. 122 days, representing a mean of 0.66 inch per rainy day. October, as in the year previous, had the greatest number of rainy days, with 16, and March the least wit only 6 days. The parish of Portland gauged the greatest total annual rainfall of 199.49 inches. Then, St. Mary was next in order with 119.09 inches. The parish of Kingston gave the least with only 36.36 inches.

Weather Disturbances.

July. There were no Tropical Weather Disturbances within barometric range of Jamaica in July.

August. On the morning of 11th August, a steamship located a weather disturbance some distance to the south-east of San Juan, Porto Rico. The disturbance was then estimated by the United States Weather Bureau, to be of small diameter and slight to moderate intensity, moving to north-west at about 12 miles per hour. Then at 10.00 p.m. on 12th, its position was about 200 miles south of the city of San Domingo. From this point it appears to have travelled westward to a position 150 miles to south-east of Kingston, Jamaica, at 10.00 a.m. on 13th, attaining considerable intensity. On the 14th at 10.00 a.m., it moved to south-west of Negril Point. Then later on about 100 miles to the south of Swan Island during the night of 14th, continuing to westward. Most of the rain fell in Jamaica about the 13th of the month.

On Sunday 16th, there was some indication of a weather disturbance to the north-east of Barbados. On the same day the disturbance apparently moved to some point to the west of the Island of Dominica, then, on the 17th it travelled in the vicinity of Porto Rico. On the 18th, it passed towards the Atlantic Ocean 21°, north Latitude, and 68° west Longitude, moving north-west. The Kingston Barometer fell to 29.872, on 17th at 3 p.m., or about half an inch below normal.

September. On 2nd the United States Weather Bureau issued a notice of a tropical disturbance a short distance to north of Island of St. Thomas, apparently moving westward on 3rd, to north-east of Haiti. It apparently continued to south of Guatanamo, Cuba, on 4th, recurved in vicinity of Key West. Some loss of life and property reported from Porto Rico owing to heavy floods.

On 7th September, a tropical disturbance was located to the south of Porto Rico, of moderate intensity, probably south of 15° north latitude. It continued in a north-westerly direction, passed to south of Jamaica on Wednesday 9th, then travelled towards British Honduras, the centre passing over the town of Belize on 11th, causing at Belize an appalling loss of life and property, the result of a severe hurricane and great tidal wave.

On the night of the 10th another disturbance was located a short distance to north-west of St. Thomas, apparently moving west-north-westerly, St. Thomas reporting wind at 60 miles per hour. This storm continued westerly and near south of Jamaica. A gale developed, with south-east wind at 50 miles per hour for a few minutes, causing some destruction to banana trees over the Island. A gale of less intensity prevailed for almost half an hour. This storm continued to Yucatan, Mexico, on 14th.

October. No hurricanes reported in the Caribbean region during October.

"NORTHERS, ETC.

At Kingston, fresh to brisk "northers" at intervals from 4th to 26th February, varying from 10 to 20 miles per hour. In March, from 3rd to 24th at intervals at 10 to 20 miles per hour. In April, on 7th fresh "norther",—The high northerly wind on April 26th at 25 miles per hour. In November, "northers" of moderate force from 6 to 12 miles per hour prevailed during the first half of the month on the northside of the Island.

At Negril Point, "northers" on 6 days in January, 5 days in February. Light "northers" throughout March and on 2 days in November.

Morant Point,—north-east gales on 6 days in January, 4 days in February, 2 days in March and on 16th March. Then north-west gale on 26th May, "northers" 2 days in November.

HAILSTORMS.

Hail fell at Kempshot, St. James on 22nd and 30th July, also at Bog Estate, Westmoreland, on 15th September.

EARTHQUAKES.

There were no shocks reported for 6 months, January to June. Moderate shock at Kingston on 14th July, slight shock Buff Bay on 6th August, and slight shocks at Manchioneal and Golden Grove on 25th August, slight shock at Kingston, on 2nd September, and at Unity Valley on 6th, Spanish Town on 24th September, slight shock at Pedro Plains on 23rd November, also at Myersville on 25th November. Slight shock at Kingston 9th December.

YEAR 1931.

METEOROLOGICAL RESULTS.

CITY OF KINGSTON.

The total rainfall at the Public Works Building was 33.18 inches, the 59-year normal being 31.57 inches. The total number of rainy days was 89 as against the 49-year average of 79.4. The May "season" rain was a little below the normal of 4.02 inches. The October "season" rain was also a little below normal. The July rainfall was the highest for the period of 62 years, giving 7.80 inches, as against the normal of 1.54 inch. The first half of the year gauged only 3 inches and the second half 30 inches (approximately). The mean temperature was 79.4 degrees and the 33-year normal 78.7 degrees. The extreme maximum temperature was 94.1 degrees on 28th August and the extreme minimum was 62.3 degrees on 6th February. The greatest monthly range of temperature was 28.2 degrees in February, and the least range 20.5 degrees in July. The mean number of miles of wind per day was 175 as against the 20-year normal of 182. The total monthly miles of wind was above normal in the months of March, August, September, October and December. The mean relative humidity was 78% or 1% below the 33-year normal of 79%. Distant lightning or local thunderstorm were noted from March to October and in December.

NEGRIL POINT LIGHTHOUSE.

The total rainfall at this station, (extreme west of Jamaica) for 1931 was 45.44 inches, the normal being 54.49 inches. There were 147 rainy days with a maximum of 20 in June and a minimum of 7 in January, and three other months. The greatest monthly rainfall occurred in June with 9.21 inches, and the least in February with 1.34 inches. The months of January, May and June were above the normals, the remainder were below. Distant lightning or thunderstorm 1 day in January, and from April to December.

The extreme maximum temperature was 93.7 degrees on September 4th, and the extreme minimum 63.6 degrees in January and March, 20th and 21st respectively, giving an extreme annual range of 30.1 degrees. The greatest monthly range of 25.9 degrees occurred in March. The mean number of miles of wind per day was 218.

MORANT POINT LIGHTHOUSE.

The total rainfall for 1931 at this station (extreme east of Jamaica) was 94.50 inches, or 24.31 inches above the normal of 70.19 inches. There were 214 rainy days with a maximum of 24 in September and October, respectively, and a minimum of 6 in March. The greatest monthly rainfall of 17.72 inches occurred in November and the least 1.10 inch in March. The months of March, May, August and December gauged below their normal, the remainder of the months was above.

The extreme maximum temperature was 89.5 degrees on August 31st, and the extreme minimum 59.6 degrees on March 20th, giving an extreme annual range of 29.9 degrees. The greatest monthly range was 26.1 degrees in March, and the least 13.2 degrees in December.

The mean number of miles of wind per day was 282, considerably more than the record at Negril and Kingston.