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METEOROLOGICAL OBSERVATIONS,
1911-1912.

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LASON
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March 28, 2002

The Rainfall over the Island. From about 150 "Average" Stations.

1911.	Rainfall Divisions.				The Island.
	N.E.	N.	W.C.	S.	
	in.	in.	in.	in.	in.
January ...	8.68	4.74	2.27	1.71	4.35
February ...	2.88	1.32	1.05	0.52	1.44
March ...	1.30	0.79	3.42	2.58	2.02
April ...	3.77	1.48	7.88	2.86	4.00
May ...	11.87	9.16	13.94	6.33	10.31
June ...	6.47	2.38	4.43	1.97	3.81
July ...	3.09	1.90	5.71	2.20	3.22
August ...	4.89	1.74	7.92	2.92	4.37
September ...	4.87	3.95	10.11	3.90	5.71
October ...	7.71	6.28	12.83	6.28	8.28
November ...	7.71	3.67	4.04	4.26	4.92
December ...	17.06	9.12	5.20	2.46	8.46
Totals ...	80.30	46.53	78.80	37.99	60.91

METEOROLOGICAL OBSERVATIONS.—KINGSTON, JAMAICA. MEAN RESULTS FOR THE YEAR 1911. ELEVATION 24 FEET.

Month. 1911.	Barometric Pressure. 7 a.m	3 p.m.	Temperature. Mean.	7 a.m.	3 p.m.	Max.	Min.	Range.	Extremes for the month. Max.	Min	Range.	Dewpoint and humidity. 7 a.m		3 p.m		Rainfall.	Wind, Miles of, per diem.	Wind from and miles per hour. 7 a.m		3 p.m		Clouds in tenths. Lower 7 a.m.	Lower 3 p.m.	Middle. 7 a.m.	Middle. 3 p.m.	Upper. 7 a.m.	Upper. 3 p.m.	Weather Conditions.
	Ins.	Ins.	°	°	°	°	°	°	°	°	°	°		°		Ins.			mls.		mls.							
Jan. ..	30.011	29.961	75.3	68.7	81.6	86.6	66.4	20.2	90.1	62.7	27.4	63.4	83	67.2	62	0.13	119.3	N	3.9	SEbE	9.3	1.6	2.1	1.1	2.8	0.6	0.4	Rainfall much below the average. Thunderstorm on 12th, 17th, 22nd, 23rd. Fine 9 days.
Feb.* ..	29.988	29.939	75.2	68.2	81.9	87.0	65.9	21.1	89.8	63.0	26.8	58.9	72	63.8	54	0.03	143.9	N	5.1	SSEbS	9.7	0.7	2.3	0.7	3.1	1.0	0.2	Rainfall as well as humidity considerably below the average. Fine throughout.
March	30.009	29.972	75.2	69.9	80.9	85.8	66.3	19.5	88.6	63.2	25.4	62.8	78	66.6	62	2.05	150.2	N	4.2	SE	11.5	0.0	3.5	0.7	2.3	1.0	0.5	Rainfall about twice the average. Fine on 12 days. Humidity a little below the average.
April .	29.956	29.905	78.6	75.8	82.9	88.1	69.4	18.7	91.8	66.0	25.8	65.8	71	69.0	63	1.36	194.8	NNE	4.2	SE	15.5	0.5	3.4	1.0	2.0	0.4	0.7	Rainfall somewhat above the average. High S.E. wind on 23rd and 24th. Distant lightning about 8 p.m. on 29th. Low barometer on 25th. Fine on 16 days.
May ..	29.987	29.865	79.0	77.1	81.8	87.3	71.7	15.6	91.3	68.8	22.5	69.6	78	71.1	70	1.92	178.6	NE	4.6	SE	12.8	1.5	4.4	1.2	1.6	1.9	2.9	Rainfall much below the average. Thunderstorms on 8 days. S.E. squalls 15th and 31st. Fine on 3 days. Lowest barometer on 15th. Humidity equal to average.
June	29.961	29.924	82.7	80.7	86.9	90.6	74.8	15.8	95.2	72.4	22.8	70.5	71	72.8	63	0.37	293.5	EbS	7.4	SE	20.5	1.4	2.0	0.5	1.5	2.9	3.5	Rainfall one-twelfth of the average. Thunderstorms and distant lightning on 6 days S.E. gale on 26th. Humidity fell to 38 on 25th.
July ..	29.987	29.937	82.2	79.2	86.7	91.6	73.7	17.9	94.7	70.6	24.1	71.6	78	70.3	58	0.35	242.9	NNE	4.1	SE	21.2	0.3	2.5	0.6	1.3	3.3	3.5	Rainfall about one-fifth the average. Rain in vicinity on 10 days. Distant lightning on 6 occasions. Thunderstorm on 17th and 30th. Fine on 5 days. Humidity below average.
Aug. .	29.935	29.889	81.9	78.1	86.0	91.7	73.9	17.8	95.0	69.9	25.1	68.5	73	72.8	65	1.48	225.9	N	3.7	SE	20.1	0.4	3.4	0.2	1.9	3.3	1.5	Rainfall below the average. Thunderstorms 12th, 13th, 14th, 25th, 27th and 28th. Distant lightning on 19 nights. Fine 6 days. Humidity much below the average.
Sept. ..	29.911	29.862	82.1	78.4	85.6	92.2	74.3	17.9	95.2	71.3	23.9	70.6	77	75.0	71	0.86	195.7	N	4.2	SE	16.5	0.6	3.0	0.9	2.2	2.9	2.3	Rainfall very deficient, being one-fifth the average. Thunderstorm and distant lightning throughout the month.
Oct. ..	29.892	29.849	80.9	77.0	83.5	91.7	73.5	18.2	94.9	71.9	23.0	70.9	82	73.8	73	1.63	152.8	NNE	4.2	SEbE	10.7	1.0	3.9	0.2	3.0	3.0	1.4	Rainfall much below the average. Thunderstorms and distant lightning occurred during the month.
Nov. ..	29.908	29.850	80.0	75.4	84.4	89.4	72.9	16.5	92.7	70.5	22.2	70.8	86	72.9	69	1.78	168.3	NNE	4.5	SE	12.2	2.4	2.9	1.7	2.0	0.6	1.5	Rainfall much below the average. Distant thunderstorms on 9 days. S.E. rain squall on or about the 12th and 14th and 21st and 24th. Fine towards end of month.
Dec. ..	29.915	29.866	77.4	71.8	82.2	87.6	70.0	17.6	91.8	65.5	26.3	67.4	86	71.2	70	1.11	171.8	NNE	5.2	SE	10.8	2.6	2.7	0.7	2.1	0.3	0.1	Northers on 5th, 6th, 10th, 11th. Rainsqualls 13th and 31st, distant lightning 17th. Fine 10 days.
Total ..	..	..	..	..	..	..	..	..	..	..	..	..		..	..	13.07												
Means ..	29.947	29.902	79.2	75.0	83.7	89.1	71.1	18.0	92.6	68.0	24.6	67.6	78	70.5	65	..	186.5	NNE	4.6	SE	14.2	1.1	3.0	0.8	2.1	1.8	1.5	An unusual rainfall deficiency. Frequent lightning.

* Weather instruments removed from old P.W.O., Parade, to the New Office about the middle of February.

NEGRIL POINT LIGHT HOUSE. MEAN RESULTS FOR THE YEAR 1911. ELEVATION 33 FEET.

Month. 1911.	Bar Pressure. 7 a.m	Bar Pressure. 3 p.m.	Temperature. Mean.	Temperature. 7 a.m.	Temperature. 3 p.m.	Temperature. Max.	Temperature. Min.	Temperature. Range.	Extremes for the month. Max.	Extremes for the month. Min	Extremes for the month. Range.	Dewpoint and humidity. 7 a.m	Dewpoint and humidity. 3 p.m	Rain-fall.	Wind Miles of, per diem.	Wind from and miles per hour. 7 a.m	Wind from and miles per hour. 3 p.m	Wind from and miles per hour. 11 p.m.	Clouds in tenths of the sky. Lower 7 a.m.	Lower 3 p.m.	Middle. 7 a.m.	Middle. 3 p.m.	Upper. 7 a.m.	Upper. 3 p.m.	Weather Conditions.
	Ins.	Ins.												Ins.											
Jan. ..	30.024	29.961	75.5	71.9	81.0	84.4	66.7	17.7	86.7	63.5	23.2	65.6 81	68 0 65	1.57	256.5	NE by E 6.0	ENE 13.1	NE by E 6.5	1.0	1.6	0.5	3.9	2.2	0.7	Fine 14, cloudy 6, overcast 6, rain on 5 days, T L on 5 days, T or L on many days.
Feb. ..	29.998	29.944	75.4	71.2	81.8	84.5	66.1	18.4	89.4	62.5	26.9	64.0 78	66.4 60	0.22	219.5	NE 6.8	NE 11.8	NE 7.5	2.3	1.4	0.0	4.2	1.9	0.0	Fine 10, cloudy 4, fair 7, overcast 4, rain on 3 days.
March ..	30.024	29.978	76.2	72.7	82.5	85.3	66.2	19.1	89.5	62.2	27.3	66.0 80	68.1 62	0.06	235.7	NE by E 4.9	Var 13.5	ENE 5.5	1.0	0.0	0.3	5.2	2.1	0.3	Fine 10, cloudy 16, fair 1, overcast 3, rain on 1 day, T on 1 day
April .	29.974	29.917	78.7	76.9	83.7	86.5	69.7	16.8	90.2	66.1	24.1	67.6 73	68.9 61	0.88	201.6	E 3.3	S by E 7.9	E by N 6.2	0.7	3.1	0.7	3.6	1.3	0.2	Fine 4, cloudy 14, fair 1, overcast 6, and rain on 5 days, T or L on 2 days.
May ..	29.908	29.871	78.9	78.9	82.5	85.2	70.8	14.4	88.5	67.9	20.6	70.2 74	71.9 70	4.84	211.1	E 1.8	SE 9.4	E 5.5	2.2	2.5	0.4	4.8	1.7	0.7	Fine 2, cloudy 9, fair 1, overcast 7, and rain on 12 days, T L on 4 days, T or L on many days.
June	29.963	29.930	81.1	80.6	84.2	88.3	73.1	15.2	92.1	69.6	22.5	69.7 69	73.3 70	2.20	238.8	E by N 4.2	SE 10.0	ESE 9.0	1.9	3.0	1.3	4.6	3.6	0.8	Cloudy 10, fair 1, overcast 12, and rain on 7 days, T L on 10 days, T or L on many days.
July ..	29.997	29.958	81.2	80.4	84.4	89.3	72.7	16.6	92.2	67.6	24.6	69.8 70	72.5 68	2.99	191.7	E by N 7.3	S 9 7	ENE 6.6	1.4	1.9	0.2	6.9	4.0	4.0	Fine 1, cloudy 7, fair 1, overcast 7 and rain on 15 days, T L on 13 days, T or L on many days.
Aug. .	29.947	29.907	80.9	79.6	84.2	89.5	72.3	17.2	91.5	70.0	21.5	70.4 73	73.4 70	5 17	187.7	E by N 7.1	SSE 10.2	ENE 7.0	0.3	3.4	0.1	5.9	5.5	0.0	Cloudy 7, fair 2, overcast 9 and rain on 13 days, T L on 10 days, T or L many days.
Sept. ..	29.921	29.882	80.6	79.9	82.9	88.9	72.8	16.1	91.4	70.6	20.8	72.1 77	72.9 72	8.14	187.4	ENE 6.9	ENE 11.1	NE 7.0	0.7	4.1	0.0	3.6	5.4	0.8	Cloudy 6, overcast 7 and rain on 17 days, T L on 12 days, T or L on many days.
Oct. ..	29.899	29.848	80.6	79.3	84.8	87.9	72.4	15.5	90.3	69.8	20.5	72.9 81	72 8 67	6 59	175.4	E by N 6.2	Var 8.6	E by N 6.3	0.3	0.9	0.7	5.9	2.9	1.3	Fine 4, cloudy 6, overcast 7, rain on 14 days, T L on 6 days, T or L on many days.
Nov .	29.912	29.856	79.7	77.5	83.6	87.4	72.3	15.1	90.2	68.4	21.8	71 0 80	72.6 70	2.88	217 5	E 7.6	E 12.7	E by N 7.7	1.6	3.3	0.4	3.1	3.6	0.9	Fine 4, cloudy 6, overcast 6, and rain on 14 days, T L on 3 days, T or L many days, norther from 7 a.m. on 30.
Dec. ..	29.931	29.871	77.1	73.2	82.6	84.9	69.8	15.1	88.5	65.6	22.9	67.2 81	69.7 65	2.98	240.6	ENE 8.9	Var 13.6	ENE 9.0	1.9	2.2	1.4	2.9	0.4	0.7	Fine 6, cloudy 10, fair 2, overcast 5 and rain on 8 days, T or L on a few days.
Total ..	..	..	..	..	..	..	..	..	..	..	..	..	..	38.52											
Means ..	29.958	29.910	78.8	76.8	83.2	86.6	70.4	16.4	90.0	67.0	23.0	68.9 76	70.9 67	..	213.9	5.9	11.0	7.0	1.3	2.3	0.5	4.6	2.9	0.9	Rainfall for the year deficient,

MORANT POINT LIGHT HOUSE. MEAN RESULTS FOR THE YEAR 1911.

Month.	Bar Pressure.		Temperature.					Extremes for Month.			Dewpoint and Humidity.				Rain-fall.	Direction of Wind and miles per hour.				Clouds in tenths					
																				Lower.		Middle.		Upper.	
	7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Min	Range.	7 a.m.		3 p.m.			7 a.m.		3 p.m.		7 a.m.	3 p. m.	7 a.m.	3 p.m.	7 a.m.	3 p.m
															in.										
January	30.034	29.992	76.6	78.4	80.5	73.5	7.0	84.0	70.0	14.0	70.1	80.4	66.2	66.3	4.27	N.E	17.0	NE	16.3	1.5	0.9	2.2	2.2	2.2	2.2
February	30.008	29.969	76.0	77.8	79.9	73.2	6.7	81.5	68.0	13.5	71.7	86.5	70.5	78.3	1.57	NE	17.0	NE	17.0	1.4	0.8	2.6	2.1	2.2	2.1
March	30.027	29.992	73.3	78.5	80.5	69.3	11.2	83.0	61.0	22.0	67.6	82.3	70.2	76.0	0.33	NE	11.8	NE	13.0	1.0	1.0	2.4	1.7	2.0	1.9
April . ..	29.969	29.927	76.5	80.5	82.6	72.5	10.1	85.0	66.0	19.0	69.7	79.5	73.6	80.0	1.66	NE	12.8	NE	14.6	0.8	0.9	2.2	2.0	2.4	2.3
May	29.916	29.879	78.5	81.6	83.9	73.0	10.9	86.0	68.0	18.0	73.1	83.9	74.8	80.0	11.45	NE	10.2	SE	11.9	1.7	1.5	2.1	2.5	2.5	3.1
June	29.990	29.959	81.4	83.4	84.8	77.7	7.1	86.0	71.0	15.0	76.0	84.5	77.6	82.9	2.91	ESE	19.4	ESE	18.8	1.4	1.4	3.0	2.6	2.6	2.7
July	30.009	29.980	81.7	83.6	85.2	78.2	7.0	86.5	74.5	12.0	75.5	81.4	76.0	78.2	2.29	ESE	17.7	ESE	17.7	2.0	1.5	2.6	2.5	2.9	3.0
August .. .	29.956	29.919	81.5	84.4	86.0	77.8	8.2	87.5	71.0	16.5	77.5	87.8	78.6	82.9	3.52	E	12.4	E	16.0	1.2	1.0	2.3	2.2	3.0	3.0
September	29.928	29.891	81.7	85.2	86.9	77.3	9.6	88.5	71.0	17.5	76.5	84.8	77.8	78.6	4.40	E	12.0	E	14.2	1.1	0.9	2.7	2.4	2.8	3.0
October	29.878	29.862	79.8	84.3	86.4	75.5	10.9	87.8	66.5	21.3	75.2	85.7	75.2	75.7	4.43	E	9.9	E	11.5	0.8	0.7	2.5	2.4	2.5	2.9
November	29.929	29.872	81.1	83.1	84.7	76.2	8.5	86.5	71.0	15.5	75.6	81.6	76.9	83.6	7.68	E	14.6	E	14.6	1.6	1.0	2.8	2.6	2.6	2.7
December	29.942	29.896	78.2	80.6	82.2	74.3	7.9	84.0	62.5	21.5	74.0	74.9	87.1	83.0	5.08	E	19.4	E	20.4	1.6	1.4	2.6	2.6	2.4	2.3
Total ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	49.59	..	..	..	..	..	..	..	..	..	..
Means ..	29.966	29.930	78.9	81.8	83.6	74.9	8.7	85.4	68.4	17.0	73.5	83.0	75.4	78.8	..	E by N	14.5	E	15.5	1.3	1.1	2.5	2.3	2.5	2.6

These tables, however, give no idea of the wonderful diversity of climates to be found in Jamaica and while reference must be made to the "Rainfall Maps" based upon 40 years observations, and to "The Meteorology of Jamaica" for the connection between elevation and temperature, a slight sketch of some of these climates may be useful.

To begin with there are (1) the warm and moist valleys and plains between Port Antonio and the base of the Blue Mountains, where rain falls all the year round with an annual rainfall of 200 inches, and where the soil is rich enough to maintain almost luxuriant tropical vegetation.

(2.) Proceeding westwards, the rainfall is reduced to 100 inches a year, and the parishes of Portland and St. Mary have cultivated bananas with great success for many years. As a general rule the rainfall in the early months of the year is much smaller than during the remaining months; but there is a remarkable district between Water Valley and Rio Hoe, with the Richmond Railway Station as its centre, which has a fairly uniform rainfall all the year round.

(3.) Then we come to the northern parts of the Island, hot and dry on the shores, with strong sea-breezes during the day time from the ENE; and cool and pleasant on the interior hills, where the annual temperature at any elevation may be ascertained by substracting 1° Fah. for every 300 feet of elevation from the 79° at the sea-level. These grazing lands, laid out in many instances like so many English parks, have a wonderfully healthy climate, and should prove very attractive to our winter tourists.

(4.) Further south there is the great west-central rainfall division, with continual thunderstorms and heavy rains during the summer months, so that the year may be divided into dry and wet seasons of 6 months each, with an average annual rainfall of about 80 inches. This division reaches from near Chapelton to the west end of the Island; and when the central hills give way to the hot alluvial plains of Westmoreland, natural conditions are most favourable for the cultivation of the sugar-cane.

(5.) The southern plains are hot and dry, with strong sea-breezes during the day time from the ESE, in fact the same as that of Kingston, with an annual rainfall of 30 or 40 inches. But in parts of St. Catherine, and in the district of Vere, this small rain fall has been supplemented by irrigation, which has ensured the successful cultivation of sugar-canes and bananas.

(6) But there are many smaller localities which have marked features of their own:—the Blue Mountains, cold, wet, and little wind; the Santa Cruz Mountain cool, dry and strong winds; the beautiful interior parts of Hanover and Westmoreland, shut in by surrounding hills, where fog rests like a lake from 9 at night to 9 in the morning; so again in St. Thomas-in-the-Vale, where days are hot and nights are cold and damp; and lastly, there are hills rising above the plains where the temperature after sunset hardly falls during the night, the cooler and heavier air flowing down to the plains below.

MAXWELL HALL,
Govt. Meteorologist.