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METEOROLOGICAL OBSERVATIONS,
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LASON
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Beltsville, MD 20704-1387
March 28, 2002

The Jamaica Rainfall over the Island. From about 200 "Average" Stations.

1910.	Rainfall Divisions.				The Island.
	N.E.	N.	W.C.	S.	
January ...	11.64	4.75	2.18	2.58	5.29
February ...	4.66	2.40	1.34	0.40	2.20
March ...	8.63	2.89	3.88	2.39	4.45
April ...	3.29	2.36	6.49	2.17	3.56
May ...	3.34	2.36	10.76	4.45	5.23
June ...	7.89	3.07	8.15	3.83	5.74
July ...	5.46	3.53	8.48	4.80	5.57
August ...	9.57	4.87	9.87	5.76	7.52
September ...	10.12	5.33	13.48	5.91	8.71
October ...	18.58	11.29	15.08	14.00	14.74
November ...	13.63	6.77	5.83	4.22	7.61
December ...	22.26	14.63	7.54	4.15	12.14
Total ...	119.07	64.25	93.08	54.66	82.76

KINGSTON, JAMAICA. MEAN RESULTS FOR THE YEAR 1910. ELEVATION 50 FEET.

Month.	Barometer.		Temperature.						Extremes for the month.			Dewpoint and humidity.		Rainfall.	Miles of Wind, per diem.	Wind from and miles per hour.				Clouds in tenths.						Weather Conditions.
																				Lower		Middle.		Upper.		
	7 a.m	3 p.m.	Mean.	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.	
	Ins.	Ins.	°	°	°	°	°	°	°	°	°	°	°	Ins.			mls.		mls.							
Jan. ..	30.001	29.943	73.5	66.9	79.8	83.9	65.5	18.4	88.6	59.7	28.9	62.0	84 65.2	61 2.10	122.7	N	4.2	SSE	7.9	1.2	0.7	0.7	2.8	3.1	0.5	Dry until the 18th. Rainfall double the average. Dist. Lightning on 14th. Frequent "nothers." Fine on 16 days.
Feb. ..	30.037	29.975	74.1	68.0	80.2	84.7	65.5	19.2	87.6	60.4	27.2	61.7	80 65.1	60 0.02	146.5	N	4.0	SE	10.4	3.0	0.6	1.4	2.2	1.9	1.0	Rainfall much below average. Fine on 13 days. Fair to part, cloudy the remainder
March	29.968	29.917	74.7	69.5	80.6	84.7	66.2	18.3	88.1	62.1	26.0	61.8	77 65.5	60 1.45	134.7	N	4.6	SSE	8.2	1.3	1.0	0.0	3.4	2.4	0.0	Rainfall a little above the average. Fresh "norther" 6th to 7th. Distant thunder on 13th. Fine on 9 days.
April .	29.969	29.954	77.8	74.4	83.0	87.0	68.8	18.2	91.3	64.5	26.8	64.9	72 67.8	60 1.53	150.4	N	3.8	SE	11.8	0.4	0.2	2.1	3.5	2.6	1.3	Rainfall somewhat above the average. Hazy from 1st to 4th. Fresh "northers" 27th to 28th. Fine 5 days.
May ..	29.975	29.921	79.4	77.5	83.0	88.1	71.1	17.0	92.4	66.0	26.4	67.0	70 70.5	66 1.32	172.4	N	3.2	SE	12.8	1.2	0.4	1.4	3.4	2.0	1.5	Rainfall much below the average. Passing showers 12th, 18th, 20th, 28th. Dist. thunderstorms 7th, 18th, 19th, 29th. Fine on 9 days
June	29.963	29.932	79.7	77.9	83.4	87.7	72.0	15.7	91.4	68.5	22.9	69.5	75 71.4	67 5.09	185.1	NE	4.5	SE	13.7	1.1	0.3	2.6	1.7	1.5	2.8	Rainfall slightly above the average. Rain squalls 6th, 10th, 11th, 15th and 18th Sharp thunderstorm 6th. Fine on 10 days.
July ..	29.972	29.937	80.8	77.9	85.2	89.7	72.3	17.4	92.3	70.7	21.6	66.6	68 72.0	63 1.49	176.9	NNE	4.1	SE	15.3	0.2	0.4	2.5	1.1	2.7	3.7	Rainfall below the average Dist. thunderstorm on 12 days. S.E. squall 11th and 13th. Fine on 8 days
Aug. .	29.931	29.902	80.9	78.1	84.5	89.7	73.4	16.3	94.1	70.9	23.2	70.2	77 7.27	68 3.39	136.3	NNE	3.5	SEbE	9.8	1.2	0.4	2.8	2.8	2.5	2.6	Rainfall slightly below the average. Squally on 6 days. Heavy S.E. squally on 30th. Thunderstorm on 17 days. Fine on 5 days.
Sept. ..	29.901	29.871	80.2	77.0	83.9	89.3	72.5	16.8	91.9	70.7	21.2	70.0	79 74.1	73 5.12	126.9	NNE	3.3	SE	8.9	0.7	1.1	2.5	3.0	1.7	3.5	Rainfall a little more than the average. Thunderstorm on 11 days. Distant lightning 8 days. Fine on 4 days.
Oct. ..	29.881	29.839	78.5	75.2	81.5	87.2	72.0	15.2	91.6	66.3	22.3	70.2	84 72.9	75 11.30	139.6	NEbE	4.6	SE	9.3	3.0	0.5	1.3	5.0	1.1	1.7	Rainfal above the average. Dist. thunderstorm on 10 days. Fine on 7 days. Passing disturbances.
Nov .	29.902	29.860	77.6	73.1	81.4	86.9	71.0	15.9	90.9	69.1	21.8	67.9	84 71.7	73 1.43	109.1	N	4.7	SE	5.3	3.1	1.5	2.0	4.7	2.1	1.9	Rainfall half the average. Squally on 9th and 10th. Thunderstorm 8 days. Fresh "norther" at close of month.
Dec. ..	29.960	29.912	76.0	71.2	80.2	85.5	69.1	16.4	88.9	64.9	25.0	66.3	84 70.6	73 3.09	114.6	N	5.1	SE	6.6	1.5	1.5	2.8	3.9	2.1	1.8	Rainfall considerably above the average. "Northers" on a few days. Fine on 6 days. Thunderstorm on 4 days.
Total ..	..	..	..	..	..	..	..	..	..	..	..	..	..	.. 37.33												
Means ..	29.955	29.914	77.8	73.9	82.2	87.0	69.9	17.1	90.8	66.4	24.4	66.5	78 69.9	67 ..	143.8	NbE	4.1	SE	10.0	1.5	0.7	1.8	3.1	2.1	1.9	Rainfall a little above the average for the year.

NEGRIL POINT LIGHT HOUSE. MEAN RESULTS FOR THE YEAR 1910. ELEVATION 33 FEET.

Month.	Bar Pressure.		Temperatures.						Extremes for the month.			Dewpoint and humidity.		Rain-fall.	Miles of Wind, per diem.	Wind from and miles per hour.						Clouds in tenths.						Weather Conditions.
																						Lower		Middle.		Upper.		
	7 a.m	3 p.m.	Mean.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Min	Range.	7 a.m	3 p.m			7 a.m		3 p.m		11 p.m.		7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	
	Ins.	Ins.												Ins.			mls.		mls.		mls.							
Jan. ..	30.016	29.926	75.1	71.3	80.3	82.9	67.8	15.1	87.6	61.9	25.7	62.8	75.65.4	61 0.37	315	NE	8.5	NE	13.7	NE	10.1	0.5	0.6	0.8	4.1	0.4	0.0	Fine 21, cloudy 3, fair 3, rain 3. Th. T. or L. on 1 day. Stormy northerly winds throughout the month.
Feb. ..	30.035	29.983	74.7	70.3	80.7	83.5	66.3	17.2	86.9	62.5	24.4	62.7	77 66.1	61 0.09	251	ENE	7.8	var	11.6	NE	6.6	1.3	1.8	0.9	4.4	1.5	0.0	Fair 10, cloudy 11, fair 6. rain 1 day. Strong northerly winds throughout month.
March	29.976	29.930	75.7	71.4	80.3	83.2	66.9	16.3	89.4	63.0	26.4	65.0	80 67.2	64 0.64	254	NE by E	4.5	var	10.9	NE	4.7	0.7	0.9	0.8	4.9	1.0	0.0	Fine 16, cloudy 5, fair 8, rain 2 days, Th. L. on 1 day.
April ..	30.010	29.927	77.8	75.6	82.5	85.2	69.8	15.4	90.0	63.0	27.0	66.8	74 69.5	65 0.76	230	ENE	4.0	var	11.5	ENE	6.3	0.3	2.1	1.0	3.3	4.3	1.0	Fine 15, cloudy 3, fair 7. rain 5 days. Hazy from 1st to 9th.
May ..	29.984	29.931	79.1	78.6	82.8	85.7	71.1	14.6	88.5	69.1	19.4	68.7	72 71.1	68 3.39	227	E	2.8	var	11.8	ESE	5.5	0.9	4.1	1.5	2.9	2.0	0.6	Fine 7, cloudy 5, fair 5, rain 14 days. Th. T. or L. one every day
June	29.973	29.945	79.4	79.1	83.1	86.4	70.8	15.6	89.0	66.2	22.8	71.4	76 73.3	73 5.09	206	E by N	2.9	SE	11.0	ENE	5.1	1.5	1.0	2.0	5.7	2.2	1.0	Fine 7, cloudy 12, fair 2, rain 9 days. Squally 4 days, Th. T. or L on 11 days.
July ..	29.977	29.950	79.8	78.9	83.3	87.4	71.4	16.0	90.0	69.4	20.6	69.7	73 73.4	72 8.20	191	ENE	4.4	var	7 6	ENE	5.1	0.3	1.6	1.3	7.2	2.9	0.1	Fine 1, cloudy 13, fair 2, rain 13, squally 2 days. Th. T. or L 8 days.
Aug. ..	29.937	29.908	80.0	79.0	82.9	87.7	72.5	15.2	90.1	70.0	20.1	71.8	79 72.8	72 4 34	188	ENE	3.7	NEbE	8.8	ENE	4.5	0.6	2.0	0.2	6.0	4 0	0.0	Fine 9, cloudy 5, fair 2, overcast 2, rain 13 days. Th. T L on many days.
Sept. ..	29.917	29.872	80.6	78.8	84.9	87.7	72.8	14.9	90.5	70.1	20.4	71.2	78 73.2	70 2.07	213	E	4.7	ESE	12.0	NEbE	5.9	1.6	3.3	0.3	4.0	5.5	1.5	Fine 2, cloudy 14, fair 4, overcast 5, rain 5. Squally 4 days, Bar. drop on 8th and 28th,
Oct. ..	29.883	29.836	78.8	77.8	81.4	85.9	72.2	13.7	90.7	68.0	22.7	71.6	81 73.0	76 20 31	327	E S E	11.8	ENE	14.0	ENE	12.0	2.8	4.1	1.4	3.4	1.5	0.1	Fine 5, cloudy 3, fair 1, overcast 5 rain 17, Th. or T. L 10 days. Passing disturbance early part of month.
Nov	29.909	29.864	77.3	74.8	81.3	84.4	70.5	13.9	87.6	64.9	22.7	70 7	80 72.9	76 3.45	223	NE	7.3	NNE	7.9	NE	6.5	3.1	2.9	1.9	3.6	2.7	1.3	Fine one, fair 2, cloudy 9, overcast 11 Rain 7, Th. T or L on 4 days Norther at end of modth.
Dec. ..	29.977	29.927	76.4	74.1	79.9	83.1	70.6	12.5	87.5	63.9	23.6	67.4	81 70.0	71 4.05	287	NE	9.1	NE	12.8	NE	11.3	4.3	3.5	0.7	2.8	2.5	1.7	Fair 1, cloudy 9, overcast 13, rain 8 days, T on two nights. Fresh norther during month.
Total ..	..	..	..	..	..	..	..	..	..	..	..	..	..	.. 52.76														
Means ..	29.966	29.916	77.9	75.8	82.0	85.2	70.2	15.0	89.0	66.0	22.9	68.3	78 70.7	69 ..	243	ENE	6.0	ENE	11.1	ENE	7.0	1.5	2.3	1.7	4.4	2.5	0.6	

MORANT POINT LIGHT HOUSE. MEAN RESULTS FOR THE YEAR 1910. ELEVATION 8 FEET.

Month.	Bar Pressure.		Temperature.					Extremes for the Month.			Dewpoint and Humidity.				Rain-fall.	Direction of Wind and miles per hour.				Clouds in tenths						Weather Conditions.
																				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.	
	Ins.	Ins.	°	°	°	°	°	°	°		°		°		Ins.		Mls		Mls.							
January ..	30.022	29.977	74.5	76.2	78.4	72.1	6.3	80.0	64.2	16	71.0	88.0	72.1	87	4.53	NNE	16.6	NNE	16.0	1.9	2.5	1.6	1.9	2.4	1.4	Rain fell on 13 days.
February ..	30.064	30.016	74.1	77.3	78.9	71.8	7.1	80.5	57.5	23	69.8	86.0	71.4	82	2.44	E	14.6	E	14.7	2.0	2.4	2.0	1.0	1.9	1.8	Rain fell on 15 days.
March ..	29.984	29.938	73.2	77.4	80.0	69.9	10.1	82.5	62.0	20.5	68.0	69.6	83.8	77.3	5.13	NE	11.7	NE	12.4	1.2	2.1	2.2	1.4	2.4	2.0	Rain fell on 12 days.
April .	29.984	29.941	75.5	80.0	82.1	72.1	10.0	86.0	64.0	22.0	69.8	83.8	71.6	75.0	0.17	E	10.4	E	13.3	1.0	1.7	2.5	1.0	1.5	2.2	Very dry. Rain on only 4 days.
May ..	29.996	29.953	78.5	81.6	83.5	75.8	7.9	85.5	69.5	16.0	72.1	81.0	72.5	75.0	3.31	ESE	11.0	ESE	12.8	1.2	2.3	2.0	0.9	1.7	2.3	Rain fell on 15 days.
June ..	29.987	29.960	80.0	82.3	84.4	76.8	7.6	86.0	72.0	14	74.5	84.0	74.1	76.0	3.75	ESE	14.3	ESE	15.1	1.6	2.7	2.3	1.7	2.3	2.3	Rain fell on 15 days.
July ..	29.994	29.968	80.4	82.8	84.8	76.6	8.2	86.0	72.5	13.5	74.0	81.0	74.6	77	3.13	ESE	14.2	ESE	15.4	1.7	2.3	2.1	1.7	2.3	2.3	Rain fell on 19 days.
August ..	29.949	29.919	81.2	84.0	85.8	77.1	8.7	88.0	71.5	16.5	73.3	82.0	76.5	78	4.23	ESE	13.0	ESE	16.4	1.6	2.3	2.4	1.4	2.1	2.7	Rain fell on 20 days.
September ..	29.915	29.886	80.0	83.3	85.3	75.9	9.4	87.0	71.0	16.0	74.6	84.0	76.1	79	7.98	ESE	10.6	ESE	12.4	1.3	2.2	2.6	1.0	2.0	2.5	Rain on 17 days. 3ins. 47 pts. on the 10th.
October ..	29.898	29.849	78.7	82.0	84.4	74.5	10.0	86.0	65.5	20.5	74.0	85.0	74.8	79	9.36	Var.	12.0	Var.	15.0	2.0	2.3	2.0	2.4	2.1	2.0	Rain fell on 20 day.
November ..	29.922	29.871	78.3	80.1	82.3	74.2	8.1	84.5	70.0	14.5	73.2	84.6	73.7	81.3	13.25	NNE	15.0	NNE	14.6	2.5	2.8	2.0	2.2	2.8	2.4	Very wet; rain on 26 days.
December ..	29.952	29.937	76.5	79.0	80.8	73.4	7.4	84.0	67.0	17.0	71.7	85.4	77.3	95.0	17.36	NNE	18.0	NE	17.9	2.0	2.8	2.0	1.5	2.9	2.3	Very wet; for 1st and 2nd 7in. 66pts. for 11th, 12th and 13th 7in. 15pts.
Total	..	..	..	..	..	..	..	..	..	..	..	..	..	..	74.64	..	..	..	..	..	..	..	..	..	..	
Means	29.972	29.935	77.6	80.5	82.7	74.2	8.4	84.7	67.2	17.5	72.6	82.9	74.9	80.1	6.22	..	13.5	..	14.8	1.7	2.4	2.1	1.5	2.2	2.2	

Winds prevail from NNE in winter months and ESE in summer months.

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.