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JAMAICA

WEATHER REPORT

FOR THE MONTH OF

JANUARY, 1912.

The Bar-pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew, 32° gravity at Lat. 45°, and mean sea-level. The bar. at Hill Gardens is reduced to the first three standards only Thermometers are exposed in Stevenson's Screens; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the small instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower clouds are for the most part fracto-stratus: the Middle clouds, cumulus; and the Upper clouds, cirro-stratus.

METEOROLOGICAL RESULTS.

Stations.	Elevation.	Bar. Pressure.		Temperature.					Extreme Temperature.				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range.
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House	8	29.996	29.953	77.6	80.1	81.6	72.9	8.7	83.5	31st	64.5	26th	19.0
Kingston	24	29.967	29.922	71.0	81.6	87.5	68.8	18.7	91.0	6th	64.4	6th	26.6
Negril Point Light House	33	29.985	29.935	71.9	81.6	4.6	68.6	16.0	88.4	19th	65.0	24th	23.4
Castleton Gardens	496	...	...	64.6	81.0	86.0	56.0	30.0	92.0	13th	52.0	9th	40.0
Hope Gardens†	668	29.988	29.894	68.0	82.0	84.0	66.0	18.0	88.0	6th	64.0	5th	24.0
Stony Hill Reformatory	1,400	...	...	66.5	76.7	80.0	63.5	16.5	84.0	1st*	61.0	4th	23.0
Hill Gardens	4,907	25.805	25.253	60.0	63.0	67.0	53.0	14.0	71.0	4th	50.0	4th*	21.0

Stations.	Elevation.	Dew Point and Humidity.				Rainfall.	Wind per diem.	Wind: (direction from and miles per hour.)				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°		°		in.	miles		m.		m.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House	8	70.6	88	74.7	84	5.65	...	E	15.7	E	15.9	1.5	2.3	2.5	0.7	2.3	2.3
Kingston	24	66.1	84	71.0	70	1.40	214	NE	6.2	SE	16.0	2.1	0.3	0.1	1.3	1.9	0.3
Negril Point Light House‡	33	.	83	68.6	65	2.53	261	NE	8.8	Var.	14.5	1.1	1.9	0.4	1.4	4.1	0.1
Castleton Gardens	496	62.1	69	93.3	72	15.69	...	...	...	...	...	...	...	...	...	...	...
Hope Gardens	668	62.6	67	84.2	74	1.97	...	...	...	...	...	...	...	...	...	...	...
Stony Hill Reformatory	1,400	64.2		71.4	83	3.97	...	...	...	...	...	...	...	...	...	...	...
Hill Gardens	4,907	54.4	59	80.6	87	6.08	...	...	...	...	...	...	...	...	...	...	...

* and on other days.

† Hope Gardens. Bar. read at 9 a.m. and 3 p.m.

‡ Negril Point Light House. Wind 11 p.m. E. N. E. 8.3

National Oceanic and Atmospheric Administration

Climate Database Modernization Program

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March 28, 2002

RAINFALL FOR JANUARY, 1912.

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the date of this report; the last column contains the corresponding Rainfall average for the month, according to Weather Report, No. 256A. In obtaining the mean Rainfall for the month from the numbers in the column for the total fall, only those Stations are considered for which the average Rainfall has been also given in the last column, so that the results of these two columns are directly comparable for each division. These results are reproduced in the comparative table at the end of this Rainfall Return, so as to arrive at the mean for the whole Island, embracing the four divisions.

The Northern division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which form the Central sub-division; the Southern division comprises the southern shores from Holland Bay to South Negril; The North-Eastern and West-Central divisions are the remaining parts of the Island bounded by the sea and the other divisions.

NORTH-EASTERN DIVISION.	JANUARY, 1912. Total Fall.	Greatest fall in 24 hours. Amount	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Manchioneal ...	...	...	...	...	...
Spring Valley ...	10.44	2.15	17	18	...
Bath ...	10.34	1.02	11	24	6.26
Boston ...	...	...	...	..	...
Moore Town ...	15.49	...	...	...	18.55
Port Antonio ...	11.50	3.86	17	15	9.10
Fellowship ...	16.64	6.61	16	23	14.16
Windsor, Portland ...	16.25	7.00	10	14	...
Johnson River Bridge ...	3.16	0.75	17	19	3.59
Shrewsbury ...	20.12	7.83	16	17	...
Cedar Valley, St. Thos. ...	3.74	0.80	16	14	4.46
Moy Hall, St. Thos. ...	3.54	1.05	17	9	3.46
Lennox ...	10.84	2.30	17	14	..
Hill Gardens ...	6.08	2.75	16	10	7.09
Buff Bay ...	8.49	2.08	17	12	10.22
Vinery ...	12.01	3.21	16	10	...
Windsor Castle, Port. ...	7.82	2.84	15	8	...
Greenvale, Portland ...	24.08	12.04	16	16	..
Mt. Holstein ...	15.14	6.96	16	16	14.03
Irish Town ...	2.20	1.30	16	3	...
Hardware Gap ...	3.75	...	...	...	...
Stony Hill Reform. ...	3.79	1.68	16	6	3.30
Castleton Gardens ...	15.69	9.20	16	9	8.87
Lawrence Tavern ...	5.85	4.30	16	4	...
Carew Castle ...	5.80	2.94	16	7	2.60
Agualta Vale ...	6.69	1.70	17	11	...
Water Valley ...	5.88	2.31	31	11	7.90
Albany, Ry. Station ...	6.60	2.50	31	7	...
Platfield ...	10.61	4.86	16	8	...
Richmond, St. Mary ...	7.05	2.47	16	10	6.18
Hampstead, St. Mary ...	7.84	3.20	31	12	...
Kendal, St. Mary ...	...	...	...	...	...
Troja ...	8.93	3.00	16	6	...
Gayle ...	4.86	1.38	31	10	7.14
Rio Hoe ...	4.76	1.95	31	7	5.47
Unity Valley ...	4.76	2.28	31	12	4.69
Moneague ...	3.86	1.40	31	...	4.18
Union Hill ...	...	...	...	...	...
Claremont ...	5.09	1.78	16	7	6.12
Albion, St. Ann ...	5.13	1.94	16	10	5.15
Averham Park ...	7.19	3.12	16	9	6.88
Means ...	7.64	F..	...	...	..

NORTHERN DIVISION.	JANUARY, 1912. Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Port Maria ...	6.39	3.10	31	15	6.72
Ocho Rios ...	4.42	1.12	31	7	5.42
Bogue, Ocho Rios ...	6.15	2.60	16	7	...
Arthurs Seat ...	...	...	...	...	...
Drax Hall ...	4.09	1.00	14	9	4.84
Liberty Hill ...	4.55	1.16	17	8	...
St. Ann's Bay ...	3.50	1.20	14	13	5.01
Seville ...	3.61	1.08	31	8	5.61
Richmond Estate ...	4.57	1.72	31	6	6.37
Llandovery ...	5.09	1.75	31	5	6.62
Southfield, St. Ann ...	...	...	...	...	...
Ballintoy ...	...	...	...	...	...
Brown's Town ...	7.81	3.57	31	7	5.41
Hyde Park ...	...	...	...	...	...
Dry Harbour ...	*2.18	0.67	15	6	4.69
Chewmagna, St. Ann ...	3.77	*2.40	31	6	2.70
Home Castle ...	6.40	1.90	16	6	5.39
Richmond Pen ...	4.18	2.50	31	5	3.48
Mahogany Hall ...	6.08	3.08	31	8	4.76
Barnstaple ...	5.40	1.55	16	5	...
Brampton Bryan ...	5.78	1.92	31	5	4.12
Bryan Castle ...	3.57	1.18	15	7	4.66
Braco ...	2.85	1.20	15	6	4.17
Arcadia ...	4.85	1.75	16	7	4.38
Lancaster ...	3.34	1.38	15	5	4.59
Harmony Hall ...	2.48	1.14	15	5	3.97
Vale Royal ...	5.99	2.15	15	5	4.94
Colchis Pen ...	2.07	1.30	31	6	3.29
Swanswick ...	5.40	1.60	31	5	...
Hyde ...	7.08	3.22	31	5	4.47
Georgia ...	...	...	...	...	...
Long Pond ...	...	...	...	...	...
Hyde Hall ...	...	...	...	...	...
Steelfield ...	...	...	...	...	...
Etingdon ...	...	...	...	...	...
Oxford ...	...	...	...	...	...
Cambridge ...	...	...	...	...	...
Lottery ...	5.00	1.65	15	6	3.78
Falmouth ...	3.99	1.76	15	5	3.60
Florence Hall ...	3.93	1.90	22	7	...
Holland Pen ...	4.60	2.50	16	4	2.93
Orange Valley ...	...	...	...	...	...
Kent ...	...	...	...	...	...
Gales Valley ...	4.37	1.75	15	5	3.35
Canaan ...	...	...	...	...	...
Content ...	...	...	...	...	...
Bellfield ...	3.75	2.55	15	5	...
Hampden ...	...	...	...	...	...
Moor Park ...	4.54	2.00	15	5	...
Success ...	...	...	...	...	...
Guilsbro ...	6.80	2.20	16	...	3.15
Cinnamon Hill ...	...	...	...	...	...
Rose Hall ...	...	...	...	...	...
Running Gut ...	...	...	...	...	...
Spring ...	...	...	...	...	...
Montego Bay ...	3.13	2.38	15	5	2.92
Catherine Hall ...	6.25	3.33	16	...	3.51
Fairfield, St. James ...	...	...	...	...	...
King Gate ...	...	...	...	...	...
Round Hill ...	3.50	1.50	15	5	2.40
Sandy Bay ...	3.35	2.00	16	4	3.78
Haughton Court ...	...	...	...	...	...
Lucea ...	2.81	1.33	15	8	3.07
Westfield ...	4.37	1.68	15	11	...

CENTRAL SUB-DIVISION.	JANUARY, 1912. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Rio Magno ...	...	...	...	...	...
Headworks, Rio Cobre ...	1.99	0.75	16	5	1.84
Linstead ...	3.92	1.09	17	5	2.15
Berkshire Hall ...	2.87	1.00	17	9	...
Point Hill ...	6.99	1.86	16	12	2.74
Brown's Hall ...	3.25	1.30	31	6	1.80
Worthy Park ...	3.70	1.60	31	5	2.04
Crofts Hill ...	1.26	0.61	31	7	...
Chapelton ...	2.17	0.57	16	11	2.24
Mears ...	...	...	...	...	...
Danks Works ...	1.72	0.45	16	7	1.89
Savoy House ...	1.58	0.40	14	6	2.29
Trout Hall ...	1.83	0.85	31	7	...
Cave Valley ...	1.65	0.80	15	...	2.26
Greenock ...	1.82	0.70	15	...	...
Means ...	4.22	...	...	...	...
WEST-CENTRAL DIVISION.					
Whitney ...	1.63	0.60	12	7	...
Mocho, Clarendon ...	1.98	0.74	15	6	..
Baillieston ...	...	...	..	...	...
Brokenhurst ...	3.06	0.65	14	10	3.12
Christiana ...	1.19	0.31	14	6	2.35
Chudleigh ...	1.46	0.28	14	7	...
Shooter's Hill ...	1.73	0.50	30	12	..
Spitzbergen ...	1.96	0.38	14	10	...
Kendal, Manchester ...	1.32	0.34	30	10	2.39
Marshalls Pen ...	1.38	0.45	13	9	2.85
Mandeville ...	1.38	0.35	14	12	3.01
Carlton, Mandeville ...	1.09	0.28	14	11	..
Berry Hill ...	1.42	0.37	3	9	...
Fairfield, Manchester ...	1.38	0.35	31	8	2.61
Ulster Spring ...	4.81	3.11	31	5	3.00
Albert Town ...	8.33	3.10	31	7	...
Low River ...	3.22	1.75	31	4	.
Troy ...	2.74	1.12	15	6	22.5
Pepper ...	...	...	...	...	...
Fontabelle, Trel. ...	...	...	...	...	...
Windsor Pen, Trel. ...	3.86	1.56	31	7	3.13
Wallingford ...	2.41	1.02	15	6	...
Balaclava Police Station ...	2.12	0.91	15	5	1.71
Siloah ...	3.70	2.40	24	5	...
Santa Cruz ...	2.04	0.81	15	6	2.83
Appleton Estate ...	4.91	3.37	29	5	2.59
Maggotty ...	3.30	1.05	15	9	2.72
Spring Vale ...	5.06	1.65	31	7	4.03
Ipswich, Ry. St. ...	2.51	1.28	15	5	...
Springfield, St. Eliz. ...	...	.	...	...	...
Catadupa Rly. Station ...	...	...	...	...	...
Kempshot ...	5.19	2.08	15	8	3.98
Hazelymph ...	2.65	1.30	15	5	2.32
Kew Park ...	2.61	1.54	15	8	2.32
Copse ...	...	...	...	...	...
Ramble ...	2.87	1.72	15	4	...
Petersville ...	3.16	1.40	15	7	225
Darliston ...	5.29	1.45	15	12	2.93
Whithorn ...	3.72	1.45	15	13	1.97
Great Valley, Han. ...	6.35	4.20	31	4	4.68
Brownsville ...	...	...	...	...	...
Fort William ...	...	...	...	...	...
George's Plain ...	...	...	...	...	...
Fontabelle, Westm. ...	4.28	1.80	15	11	1.94
Belleisle ...	4.44	1.84	31	12	1.80
Morgan's Bridge ...	5.54	2.30	15	10	1.82
Glasgow Estate ...	2.29	1.50	15	8	3.79
King's Vale Police St. ...	4.10	1.90	31	5	3.26
Means ...	3.39	...	...	...	...

SOUTHERN DIVISION.	JANUARY, 1912. Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Morant Point L. H. ...	5.65	1.22	18	21	4.30
East Prospect ...	5.05	0.74	17	22	...
Morant Bay ...	5.56	0.45	15	14	2.70
Easington ...	1.33	0.50	14	11	1.64
Bull Bay ...	...	...	...	...	...
Bellevue ...	2.96	1.02	16	8	...
Gordon Town ...	1.42	0.80	16	5	...
Hope Gardens ...	1.97	0.85	17	7	1.77
King's House Gardens ...	1.15	0.60	17	5	1.22
Halfway Tree ...	1.15	1.03	16	2	...
Lunatic Asylum ...	1.25	0.62	16	5	0.72
Kingston S. Camp Road ...	1.74	1.01	16	5	...
" Parade Gard. ...	1.73	1.04	...	3	...
" P. W. Office ...	1.40	0.68	16	4	1.02
Plumb Point L. H. ...	0.29	0.16	16	6	0.80
Ballast Ground ...	2.49	1.86	17	3	...
Quarantine Station ...	1.65	0.70	16	4	...
Spanish Town ...	2.83	0.46	16	6	1.52
Hog Hole Pen ...	3.23	1.82	17	4	1.71
Hartlands ...	2.29	1.46	16	5	...
Old Harbour ...	5.27	1.40	31	7	2.07
May Pen ...	2.56	0.75	16	8	1.26
Hillside Estate ...	...	...	...	...	...
Amity Hall ...	3.45	1.10	16	7	...
Money Musk ...	...	...	...	...	...
Dunkley's, Vere ...	2.29	0.90	16	7	1.33
Dry River " ...	2.08	0.90	16	9	...
Caswell Hill " ...	2.08	0.91	16	4	...
Denbigh ...	...	...	...	...	...
Toll Gate ...	1.61	0.61	14	8	...
Woodleigh ...	1.90	0.50	13	7	...
New Yarmouth ...	2.03	0.93	16	6	1.20
Exeter, Vere ...	1.87	0.92	16	8	...
Rhymesbury ...	1.82	0.56	14	10	1.01
Springfield, Clarendon ...	...	...	...	...	...
Milk River ...	2.30	0.60	14	7	1.50
Clarendon Pk. Ry. St. ...	5.33	3.75	14	7	...
Victoria Town ...	3.85	1.51	16	5	1.80
Stone'- Hope ...	1.88	0.55	14	5	2.68
Newport, Manchester ...	1.76	1.45	14	7	2.66
Great Valley, Man. ...	1.77	0.55	14	7	2.49
Alligator Pond ...	1.09	0.37	14	3	1.41
Lititz ...	1.08	0.35	15	5	...
Long Hill ...	...	...	...	...	...
Unity, Malvern ...	1.73	0.55	16	5	...
Bethlehem, St. Eliz. ...	2.59	1.67	15	8	2.52
Torrington ...	1.87	0.68	16	5	2.31
Pedro Plains ...	1.40	0.70	15	4	2.04
Black River ...	1.71	0.78	15	7	1.63
Font Hill ...	2.00	1.05	15	5	1.88
Mount Edgecombe ...	2.79	1.32	15	8	2.04
Bluefields ...	2.57	0.84	1	4	...
Sweet River ...	2.84	1.40	15	7	1.82
Windsor, Sav.-la-mar ...	3.73	1.41	15	10	1.83
Orchard, Sav.-la-mar ...	4.23	1.42	15	9	...
Sav.-la-mar ...	3.17	1.40	15	10	1.62
Retreat ...	2.23	1.60	15	4	1.57
White Hall ...	2.98	2.04	15	7	...
Negril Point L.H. ...	2.53	0.38	15	7	1.34
Negril Pol. Sta. ...	1.90	0.35	15	8	...
Means ...	2.35	...	...	...	..

NOTES.

COMPARATIVE TABLE OF RAINFALL.

(Based upon the "Average" Stations only.)

—	January.	
	1912.	Average.
	In.	In.
North-Eastern Division ...	7.64	7.15
Northern ...	4.22	3.77
West-Central ...	3.39	2.85
Southern ...	2.35	1.81
The Island ...	4.40	3.89

The heaviest rainfall 24.08 inches was recorded at Greenvale, Portland and the smallest 0.29 at Plum Point Light House.

Rainfall at Grand Cayman. December, 1911.	Total Fall.	Greatest fall. Amount.	Greatest fall. Date.	No. of days on which 0.01 or more fell.
East End ...	1.81	0.45	5	8
Bodden Town ...	...	...	...	...
George Town ...	4.39	2.20	4	12

SHOCKS OF EARTHQUAKE IN JANUARY, 1912.

Date.	Mean time.	Intensity.	Notes: where felt, etc.
	hr. min.		
6	7 00 .am.	I	Hampstead, Richmond, Guy's Hill, and Highgate.
6	10 00 a.m.	I	Hampstead and Richmond, slight
10	4 00 p.m.	II	Highgate N.
10	4 00 p.m.	I	Richmond and Port Maria slight.

MAGNETIC VARIATION. The variation of the compass at the Kempshot Observatory Jan. 7th to 14th was 2° 27′ E

CORRIGENDA. W. R. 399 Dec. 1911. page 2. N. div. Bellfield, for 15.55 read 13.55.
W. R. 393 June 1911. page 2 N. div. Port Maria, for 7.31 read 7.23.
W. R. 389 February 1911. page 2 N.E. div. Hampstead, for 4-31 read 3-93.

MILES OF WIND PER DIEM REGISTERED AT THE PLUMB POINT LIGHT HOUSE.

1912	Mean.	Greatest.	Date.	Least.	Date.	Average direction (from) 7 a.m.	Average direction (from) 3 p.m.
January	252	532	2nd	82	6th	N.W.	S.E.

Weather Office,
Halfway Tree P.O.

MAXWELL HALL,
Govt. Meteorologist.

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 ftft										
January	30.034	29.992	76.6	78.4	80.5	73.5	7.2	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	6.8	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	70.2	82.3	76.0	0.33	NE	11.8	NE	13.0	1.0	2.4	2.0	1.0	1.7	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	2.2	2.4	0.9	2.0	2.3
May	29.916	29.897	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	2.1	2.5	1.5	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	3.0	2.6	1.4	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	2.6	2.9	1.5	2.5	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	2.3	3.0	1.0	2.2	3.0
September	29.928	29.891	81.7	85.2	86.9	77.3	9.6	89.5	71.0	17.5	76.5	86.8	77.8	78.6	4.40	E	12.0	E	14.2	1.1	2.7	2.8	0.9	2.4	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	2.5	2.5	0.7	2.4	2.9
November	29.929	29.872	81.1	81.3	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	2.8	2.6	1.0	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	87.1	74.9	83.0	5.08	E	19.4	E	20.4	1.6	2.6	2.4	1.4	2.6	2.3
Total ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Means ..	29.966	29.929	78.9	81.6	84.6	74.9	9.7	85.5	68.4	17.4	73.5	83.0	75.4	78.8	4.13	E	14.7	E	15.5	1.3	2.2	2.5	1.4	2.3	2.6

No. 401

JAMAICA

WEATHER REPORT

FOR THE MONTH OF

FEBRUARY, 1912.

The Bar-pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew, 32° gravity at Lat. 45°, and mean sea-level. The bar. at Hill Gardens is reduced to the first three standards only Thermometers are exposed in Stevenson's Screens; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the small instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower clouds are for the most part fracto-stratus: the Middle clouds, cumulus; and the Upper clouds, cirro-stratus.

METEOROLOGICAL RESULTS.

Stations.	Elevation.	Bar. Pressure.		Temperature.					Extreme Temperature.				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range.
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House	8	29.980	29.951	75.2	79.5	82.4	71.1	11.3	86.0	26th	64.0	10th	24.0
Kingston	24	29.961	29.923	69.8	81.6	85.6	68.5	17.1	90.8	23rd	61.2	9th	29.6
Negril Point Light House	33	29.981	29.935	70.9	79.7	82.2	67.3	14.9	86.7	23rd*	60.8	9th	25.9
Castleton Gardens	496	...	...	64.0	80.0	85.0	55.0	30.0	92.0	22nd*	47.0	9th	45.0
Hope Gardens†	668	29.935	29.895	67.0	81.0	83.0	65.0	18.0	87.0	23rd*	61.0	8th	26.0
Stony Hill Reformatory	1,400	...	...	65.9	76.8	84.5	61.5	23.0	90.0	25th	56.0	9th	34.0
Hill Gardens	4,907	25.286	25.245	59.0	61.0	66.0	52.0	14.0	70.0	12th	44.0	8th	26.0

Stations.	Elevation.	Dew Point and Humidity.				Rainfall.	Wind per diem.	Wind: (direction from and miles per hour.)				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°		°		in.	miles		m.		m.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House	8	71.0	87	71.6	73	4.20	...	SE	12.5	SE	12.3	2.3	2.0	2.0	2.0	1.9	2.0
Kingston	24	64.5	83	71.5	72	0.74	242	NNE	6.8	SE	14.7	1.5	0.7	0.4	3.0	1.9	0.3
Negril Point Light House‡	33	64.2	80	67.0	65	2.18	284	NE by E	8.8	ENE	15.6	2.9	0.6	1.1	3.0	3.3	0.0
Castleton Gardens	496	62.2	93	68.2	67	2.26	...	...	...	...	...	...	...	...	...	...	...
Hope Gardens	668	61.6	84	65.8	64	1.51	...	...	...	...	...	...	...	...	...	...	...
Stony Hill Reformatory	1,400	61.2	84	66.2	69	3.20	...	...	...	...	...	...	...	...	...	...	...
Hill Gardens	4,907	55.2	86	57.2	87	3.74	...	...	...	...	...	.	...	...	...	...	...

* and on other days.

† Hope Gardens. Bar. read at 9 a.m. and 3 p.m.

‡ Negril Point Light House. Wind 11 p.m., E. N. E. 11.1.

RAINFALL FOR FEBRUARY, 1912.

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the date of this report; the last column contains the corresponding Rainfall average for the month, according to Weather Report, No. 256A. In obtaining the mean Rainfall for the month from the numbers in the column for the total fall, only those Stations are considered for which the average Rainfall has been also given in the last column, so that the results of these two columns are directly comparable for each division. These results are reproduced in the comparative table at the end of this Rainfall Return, so as to arrive at the mean for the whole Island, embracing the four divisions.

The Northern division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which form the Central sub-division; the Southern division comprises the southern shores from Holland Bay to South Negril; The North-Eastern and West-Central divisions are the remaining parts of the Island bounded by the sea and the other divisions.

NORTH-EASTERN DIVISION.	FEBRUARY, 1912.				
	Total Fall.	Greatest fall in 24 hours. Amount	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Manchioneal ...	...	...	...	...	...
Spring Valley ...	12.53	4.65	1	13	...
Bath ...	4.72	1.33	1	8	4.86
Boston ...	7.70	5.10	2	3	6.14
Moore Town ...	16.46	...	...	...	14.18
Port Antonio ...	10.48	7.49	3	6	6.19
Fellowship ...	16.04	10.46	13	9	11.70
Windsor, Portland ...	4.25	3.00	10	3	...
Johnson River Bridge ...	2.14	1.10	6	13	2.24
Fruitfull Vale ...	9.14	4.09	1	14	...
Cedar Valley, St. Thos. ...	3.38	1.36	6	9	2.76
Moy Hall, St. Thos. ...	3.50	1.00	6	9	2.45
Lennox ...	13.72	4.45	13	7	...
Hill Gardens ...	3.74	1.90	7	7	4.05
Buff Bay ...	9.74	3.60	13	8	7.74
Vinery ...	7.98	2.20	2	7	...
Windsor Castle, Port. ...	8.82	3.15	13	7	...
Greenvale, Portland ...	5.41	2.21	1	13	...
Mt. Holstein ...	4.02	1.28	1	6	7.46
Irish Town ...	3.15	1.75	6	4	...
Hardware Gap ...	...	...	...	...	...
Stony Hill Reform. ...	3.20	1.40	7	6	2.22
Castleton Gardens ...	2.26	0.83	7	6	4.95
Lawrence Tavern ...	1.35	0.95	8	2	2.36
Carew Castle ...	3.02	0.83	7	8	1.84
Agualta Vale ...	4.35	1.50	13	5	...
Water Valley ...	3.82	1.28	13	5	5.73
Albany, Ry. Station ...	2.70	2.30	13	3	...
Platfield ...	1.50	0.47	7	6	...
Richmond, St. Mary ...	2.40	1.55	7	6	5.31
Hampstead, St. Mary ...	5.20	1.37	13	7	...
Kendal, St. Mary ...	...	...	...	...	...
Troja ...	2.70	1.00	8	5	...
Gayle ...	3.34	0.75	15	9	5.41
Rio Hoe ...	0.69	0.46	6	4	4.05
Unity Valley ...	1.13	0.38	7	8	3.60
Moneague ...	0.65	0.33	5	5	4.68
Union Hill ...	...	...	...	...	...
Claremont ...	1.01	0.41	7	3	4.58
Albion, St. Ann ...	2.07	0.57	7	9	3.59
Averham Park ...	1.36	0.61	7	4	4.56
Means ...	4.10	..	...	...	..

NORTHERN DIVISION.	FEBRUARY, 1912.				
	Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Port Maria ...	2.57	0.83	1	9	5.95
Ocho Rios ...	2.45	1.20	13	4	3.85
Bogue, Ocho Rios ...	4.40	1.62	13	6	...
Arthurs Seat ...	...	...	...	...	...
Drax Hall ...	4.45	1.50	7	6	4.47
Liberty Hill ...	3.13	2.10	7	4	...
St. Ann's Bay ...	4.66	1.53	13	7	4.88
Seville ...	4.85	1.60	7	7	4.29
Richmond Estate ...	4.93	1.10	7	10	4.33
Llandovery ...	5.18	1.72	7	7	4.57
Southfield, St. Ann ...	...	...	...	...	...
Ballintoy ...	...	...	...	...	...
Brown's Town ...	2.49	1.75	7	4	4.74
Hyde Park ...	...	...	...	...	...
Dry Harbour ...	1.18	0.50	7	4	2.80
Chewmagna, St. Ann ...	2.05	0.85	7	6	3.21
Home Castle ...	2.35	1.50	7	3	3.16
Richmond Pen ...	...	...	...	...	...
Mahogany Hall ...	2.01	1.37	7	5	3.03
Barnstaple ...	0.95	0.60	7	4	...
Brampton Bryan ...	1.62	0.95	7	4	1.90
Bryan Castle ...	1.31	0.45	1	4	2.32
Braco ...	1.10	0.50	1	4	2.23
Arcadia ...	1.62	0.75	7	4	2.36
Lancaster ...	1.63	0.54	4	4	2.51
Harmony Hall ...	1.41	0.52	4	5	2.33
Vale Royal ...	1.36	0.76	7	3	2.72
Colchis Pen ...	0.95	0.40	1	4	1.74
Swanswick ...	1.15	0.60	7	4	...
Hyde ...	1.45	1.05	7	2	2.46
Georgia ...	1.22	0.60	7	3	2.56
Long Pond ...	...	...	...	...	...
Hyde Hall ...	1.20	0.55	7	4	2.52
Steelfield ...	...	...	...	...	...
Etingdon ...	1.35	0.67	7	3	2.17
Oxford ...	...	...	...	...	...
Cambridge ...	...	...	...	...	...
Lottery ...	1.10	0.70	7	5	2.01
Falmouth ...	1.16	0.45	7	5	1.81
Florence Hall ...	1.73	0.67	3	5	...
Holland Pen ...	...	...	...	...	...
Orange Valley ...	...	...	...	...	...
Kent ...	...	...	...	...	...
Gales Valley ...	0.50	0.50	5	1	2.05
Canaan ...	...	...	...	...	...
Content ...	...	...	...	...	...
Bellfield ...	0.65	0.35	6	4	...
Hampden ...	...	...	...	...	...
Moor Park ...	2.12	1.00	4	6	...
Success ...	...	...	...	...	...
Guilsbro ...	...	...	...	...	...
Cinnamon Hill ...	...	...	...	...	...
Rose Hall ...	...	...	...	...	...
Running Gut ...	...	...	...	...	...
Spring ...	...	...	...	...	...
Montego Bay ...	2.70	1.76	4	4	2.06
Catherine Hall ...	3.29	1.76	4	7	2.47
Fairfield, St. James ...	...	...	...	...	...
King Gate ...	...	...	...	...	...
Round Hill ...	5.75	1.00	6	7	1.41
Sandy Bay ...	5.87	0.95	4	8	2.10
Haughton Court ...	...	...	...	...	...
Lucea ...	7.53	3.02	17	10	2.16
Westfield ...	4.04	1.80	5	8	...

CENTRAL SUB-DIVISION.	FEBRUARY, 1912. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Rio Magno ...	...	...	...	...	...
Headworks, Rio Cobre ...	1.12	0.28	6	7	1.63
Linstead ...	0.56	0.24	7	3	1.96
Berkshire Hall ...	1.27	0.72	5	4	...
Point Hill ...	1.72	0.46	6	7	3.85
Brown's Hall ...	1.08	0.55	6	4	2.66
Worthy Park ...	0.19	0.15	6	2	2.05
Crofts Hill ...	0.79	0.23	15	6	...
Chapelton ...	1.48	0.63	14	10	1.80
Mears ...	...	...	...	...	...
Danks Works ...	1.47	0.46	14	9	1.85
Savoy House ...	1.16	0.29	14	9	1.74
Trout Hall ...	1.31	0.58	11	6	...
Cave Valley ...	...	...	...	...	...
Means ...	2.16	...	...	...	...
WEST-CENTRAL DIVISION.					
Whitney ...	1.55	0.50	11	4	...
Mocho, Clarendon ...	0.99	0.70	10	3	...
Bailliestón ...	1.16	0.40	3	5	2.99
Brokenhurst ...	1.37	0.55	7	5	2.67
Christiana ...	1.16	0.34	7	7	2.75
Chudleigh ...	0.87	0.49	7	6	...
Shooter's Hill ...	0.72	0.21	6	6	...
Spitzbergen ...	1.14	0.48	7	6	...
Kendal, Manchester ...	0.88	0.26	21	6	2.59
Marshalls Pen ...	0.85	0.42	7	5	3.90
Mandeville ...	1.71	0.35	13	9	2.87
Carlton, Mandeville ...	1.15	0.26	3	9	...
Fairfield, Manchester ...	0.82	0.21	6	9	3.11
Berry Hill ...	0.35	0.11	7	4	...
Ulster Spring ...	2.40	0.95	5	6	2.79
Albert Town ...	3.94	1.05	2	7	...
Low River ...	3.23	1.80	3	5	...
Troy ...	2.50	1.50	4	5	2.82
Pepper ...	...	...	...	...	...
Fontabelle, Trel. ...	...	...	...	...	...
Windsor Pen, Trel. ...	1.68	0.60	7	9	2.36
Wallingford ...	2.48	0.86	3	5	...
Balaclava Police Station ...	1.72	0.72	7	4	2.29
Siloah ...	0.65	0.50	7	2	...
Santa Cruz ...	0.20	0.14	7	2	2.48
Appleton Estate ...	0.66	0.32	6	4	2.75
Maggotty ...	1.03	0.48	6	4	2.70
Spring Vale ...	1.68	0.66	4	5	2.34
Ipswich, Ry. St. ...	1.04	0.89	6	3	...
Springfield, St. Eliz. ...	...	...	...	...	...
Catadupa Rly. Station ...	...	...	...	...	...
Kempshot ...	3.34	2.08	4	11	3.00
Hazelymph ...	1.24	0.55	6	5	1.98
Kew Park ...	2.18	0.75	3	9	2.72
Copse ...	...	...	...	...	...
Ramble ...	3.00	0.71	15	9	...
Petersville ...	1.28	0.72	6	5	2.91
Darliston ...	1.53	0.69	6	7	3.63
Whithorn ...	4.01	1.35	6	12	3.40
Great Valley, Han. ...	5.00	1.00	8	9	3.18
Brownsville ...	...	...	...	...	...
Fort William ...	...	...	...	...	...
George's Plain ...	...	...	...	...	...
Fontabelle, Westm. ...	2.48	1.03	22	6	2.62
Belleisle ...	1.74	0.43	22	8	2.40
Morgan's Bridge ...	1.55	0.42	6	7	2.43
Glasgow Estate ...	...	...	...	...	...
King's Vale Police St. ...	3.43	0.90	3	9	2.73
Means ...	1.83	...	...	...	...

SOUTHERN DIVISION.	FEBRUARY, 1912. Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Morant Point L. H. ...	4.20	1.85	14	16	2.74
East Prospect ...	1.73	0.38	5	13	...
Morant Bay ...	1.26	0.73	6	6	2.03
Easington ...	1.63	1.06	6	7	1.52
Bull Bay ...	0.00	0.00	...	0	...
Bellevue ...	3.11	1.38	6	8	...
Gordon Town ...	2.19	1.00	6	6	1.76
Hope Gardens ...	1.51	0.82	6	6	1.19
King's House Gardens ...	1.90	0.98	6	6	1.55
Halfway Tree ...	1.02	1.02	6	1	0.88
Lunatic Asylum ...	0.81	0.56	6	4	0.54
Kingston S. Camp Road ...	0.83	0.69	6	4	...
" Parade Gard. ...	0.66	0.52	6	2	...
" P. W. Office ...	0.74	0.41	6	4	1.02
Plumb Point L. H. ...	0.45	0.44	6	2	0.80
Ballast Ground ...	1.01	0.39	6	3	...
Quarantine Station ...	1.54	0.58	15	4	...
Spanish Town ...	0.87	0.43	6	3	1.34
Hog Hole Pen ...	0.93	0.45	7	3	1.82
Hartlands ...	0.77	0.40	6	3	...
Old Harbour ...	0.95	0.55	6	4	1.81
May Pen ...	1.36	0.59	6	7	...
Hillside Estate ...	...	...	...	...	...
Amity Hall ...	...	...	...	...	...
Money Musk ...	...	...	...	...	...
Dunkley's, Vere ...	0.63	0.30	6	5	1.17
Dry River " ...	0.99	0.26	6	8	...
Caswell Hill " ...	1.52	0.42	1	5	...
Denbigh ...	...	...	...	...	...
Toll Gate ...	0.53	0.47	6	3	...
Woodleigh ...	0.40	0.40	6	1	...
New Yarmouth ...	0.60	0.30	6	2	1.02
Exeter, Vere ...	...	...	...	...	...
Rhymesbury ...	0.93	0.50	6	8	1.37
Springfield, Clarendon ...	...	...	...	...	...
Milk River ...	1.20	0.60	5	3	1.64
Clarendon Pk. Ry. St. ...	0.83	0.82	7	2	...
Victoria Town ...	0.15	0.15	7	1	1.91
Stone's Hope ...	1.48	0.60	6	5	2.22
Newport, Manchester ...	0.71	0.33	6	3	2.94
Great Valley, Man. ...	2.33	0.85	3	7	2.48
Alligator Pond ...	0.47	0.47	1	1	1.20
Lititz ...	0.57	0.24	7	5	...
Long Hill ...	...	...	...	...	...
Unity, Malvern ...	...	...	...	...	...
Bethlehem, St. Eliz. ...	0.86	0.58	6	4	2.55
Torrington ...	0.60	0.48	6	2	2.52
Pedro Plains ...	1.24	0.30	6	5	1.43
Black River ...	0.45	0.45	6	1	1.78
Font Hill ...	0.75	0.40	6	2	1.38
Mount Edgecombe ...	1.67	0.95	6	5	2.48
Bluefields ...	5.46	1.84	15	5	...
Sweet River ...	2.41	1.25	15	5	2.32
Windsor, Sav.-la-mar ...	2.11	0.93	6	6	2.34
Orchard, Sav.-la-mar ...	1.69	0.70	15	6	...
Sav.-la-mar ...	1.67	0.63	6	7	2.00
Retreat ...	1.30	0.80	22	5	2.36
White Hall ...	1.49	0.51	15	8	...
Negril Point L.H. ...	2.18	0.52	22	9	1.54
Negril Pol. Sta. ...	1.05	0.35	15	8	...
Means ...	1.26	...	...	...	...

NOTES.

COMPARATIVE TABLE OF RAINFALL.

(Based upon the "Average" Stations only.)

	February.	
	1912.	Average.
	In.	In.
North-Eastern Division ...	4.38	5.29
Northern ...	2.16	2.55
West-Central ...	1.83	2.76
Southern ...	1.26	1.67
The Island ...	2.34	3.07

The heaviest rainfall 16.04 inches was recorded at Fellowship.
No rain fell at Bull Bay.

Rainfall at Grand Cayman, January, 1912.	Total Fall.	Greatest fall. Amount.	Greatest fall. Date.	No. of days on which 0.01 or more fell.
East End ...	1.35	0.49	30	5
Bodden Town ...	0.68	0.29	15	6
George Town ...	1.50	0.47	5	8

SHOCKS OF EARTHQUAKE IN FEBRUARY, 1912.

Date.	Mean time.	Intensity.	Notes: where felt, etc.
	hr. min.		
	No earthquakes this month.		

MAGNETIC VARIATION. The variation of the compass at the Kempshot Observatory Feb. 11th to 15th was 2° 26' E.

MILES OF WIND PER DIEM REGISTERED AT THE PLUMB POINT LIGHT HOUSE.

1912.	Mean.	Greatest.	Date.	Least.	Date.	Average direction (from) 7 a.m.	Average direction (from) 3 p.m.
February	266	615	24th	73.7	3rd	E.S.E.	S.E.

The Weather Office,
Halfway Tree.

MAXWELL HALL,
Govt. Meteorologist.

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

Month. 1911.	Bar Pressure.		Temperature.						Extremes for the month.			Dewpoint and humidity.		Rain-fall.	Wind, Miles of, per diem.	Wind from and miles per hour.						Clouds in tenths of the sky.						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.														
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 5, 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	194.7	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 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	1.0	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

No. 402.

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WEATHER REPORT

FOR THE MONTH OF

MARCH, 1912.

The Bar-pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew, 32° gravity at Lat. 45°, and mean sea-level. The bar. at Hill Gardens is reduced to the first three standards only Thermometers are exposed in Stevenson's Screens; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the small instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower clouds are for the most part fracto-stratus: the Middle clouds, cumulus; and the Upper clouds, cirro-stratus.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure.		Temperature.					Extreme Temperature.				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range.
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House	8	30.022	30.015	77.3	80.3	82.3	69.9	12.4	83.5	29th	63.0	19 h	20.5
Kingston	24	29.983	29.933	72.5	81.8	86.6	69.5	17.0	88.5	16th	67.1	2nd	21.4
Kempshot	1,773	29.989	29.945	68.1	73.5	77.9	66.7	11.2	81.4	7th	64.2	4th	17.2
Negril Point Light House	33	29.937	29.946	72.4	79.7	84.2	68.2	16.0	88.5	2nd	65.2	6th	23.3
Castleton Gardens	496	...	...	65.0	81.0	87.0	54.0	33.0	91.0	*12th	54.0	21st	37.0
Hope Gardens†	668	29.992	29.897	70.0	81.0	84.0	66.0	14.0	87.0	*14th	65.0	*4th	22.0
Stony Hill Reformatory	1,400	...	...	68.0	78.0	80.5	63.6	16.9	87.0	7th	60.0	20th	27.0
Hill Gardens	4,907	25.315	25.257	61.3	63.0	67.0	54.4	12.6	71.0	*29t	51.0	0th	20.0

STATIONS.	Elevation.	Dew Point and Humidity.				Rainfall.	Wind per diem.	Wind: (direction from and miles per hour.)				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°		°		in.	miles		m.		m.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House	8	73.0	87	73.3	78	2.13	...	SE	8.1	SE	8.0	4.0	3.0	2.0	3.0	3.0	2.0
Kingston	24	66.2	80	70.4	69	0.56	229	NE	5.1	SE	17.5	1.9	0.7	0.3	3.5	2.2	0.5
Kempshot	1,773	64.0	87	67.1	80	7.66	134	E	6.6	E	4.2	2.4	0.8	0.6	7.2	0.6	0.0
Negril Point Light House‡	33	66.9	88	69.9	72	6.60	185	E by N	6.8	SSE	10.3	1.6	1.5	0.2	5.5	3.2	0.0
Castleton Gardens	496	63.2	98	72.6	77	7.27	...	...	...	...	...	...	...	...	...	...	...
Hope Gardens	668	64.7	84	72.6	77	4.67	...	...	...	...	...	...	...	...	...	...	...
Stony Hill Reformatory	1,400	64.8	88	72.8	84	5.29	...	...	...	...	...	...	...	...	...	...	...
Hill Gardens	4,907	57.3	87	57.4	81	4.38	...	...	...	...	..	...	...	...	...	..	...

* and on other days.

† Hope Gardens. Bar. read at 9 a.m. and 3 p.m.

‡ Negril Point Light House. Wind 11 p.m. E. by N. 6.0

RAINFALL FOR MARCH, 1912.

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the date of this report; the last column contains the corresponding Rainfall average for the month, according to Weather Report, No. 256A. In obtaining the mean Rainfall for the month from the numbers in the column for the total fall, only those Stations are considered for which the average Rainfall has been also given in the last column, so that the results of these two columns are directly comparable for each division. These results are reproduced in the comparative table at the end of this Rainfall Return, so as to arrive at the mean for the whole Island, embracing the four divisions.

The Northern division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which form the Central sub-division; the Southern division comprises the southern shores from Holland Bay to South Negril; The North-Eastern and West-Central divisions are the remaining parts of the Island bounded by the sea and the other divisions.

NORTH-EASTERN DIVISION.	MARCH, 1912. Total Fall.	Greatest fall in 24 hours. Amount	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Manchioneal ...	...	...	..	...	...
Spring Valley ...	4.65	1.00	10	12	...
Ecclesdown ...	4.90	1.20	19	10	...
Bath ...	2.72	1.00	8	12	4.57
Boston ...	2.50	1.50	18	3	5.10
Moore Town ...	6.82	...	...	...	10.97
Port Antonio ...	4.45	1.03	7	11	4.90
Fellowship ...	6.12	1.70		14	8.09
Windsor, Portland ...	...	...	...	...	...
Johnson River Bridge ...	3.53	1.00	8	20	2.59
Fruitfull Vale ...	2.76	0.45	4	21	...
Cedar Valley, St. Thos. ...	6.52	3.20	8	13	3.30
Moy Hall, St. Thos. ...	4.41	2.45	9	9	3.01
Lennox ...	2.51	0.70	1	7	...
Hill Gardens ...	4.33	1.52	11	10	5.19
Buff Bay ...	1.48	0.35	17	8	5.79
Vinery ...	...	...	...	...	...
Windsor Castle, Port. ...	...	...	...	...	...
Greenvale, Portland ...	4.61	2.22	19	13	..
Mt. Holstein ...	4.43	1.76	19	14	9.53
Irish Town ...	3.06	2.00	18	4	...
Hardware Gap ...	3.15	...	...	...	4.50
Stony Hill Reform. ...	5.29	2.30	18	13	2.99
Castleton Gardens ...	7.27	3.00	26	14	4.93
Lawrence Tavern ...	5.60	3.20	26	6	2.69
Carew Castle ...	3.60	1.13	26	10	3.92
Agualta Vale ...	1.14	0.33	3	7	...
Water Valley ...	1.49	0.42	19	6	5.69
Albany, Ry. Station ...	2.70	1.90	19	4	...
Platfield ...	6.08	2.91	26	11	...
Richmond, St. Mary ...	4.17	0.94	19	13	3.75
Hampstead, St. Mary ...	5.12	2.36	8	9	...
Kendal, St. Mary ...	5.22	2.35	26	9	...
Gayle ...	3.80	1.44	20	11	4.70
Rio Hoe ...	4.01	0.74	24	12	3.64
Unity Valley ...	3.14	0.81	8	14	3.64
Moneague ...	3.19	0.86	8	10	3.03
Union Hill ...	...	...	...	...	...
Claremont ...	1.88	0.71	4	5	3.43
Albion, St. Ann ...	3.31	0.94	25	13	3.61
Averham Park ...	2.17	0.37	8	9	3.81
Means	4.00	..	...	...	...

NORTHERN DIVISION.	MARCH, 1912. Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Port Maria ...	2.14	0.42	18	10	3.19
Ocho Rios ...	0.73	0.38	20	3	3.54
Bogne, Ocho Rios ...	3.54	0.82	20	10	...
Arthurs Seat ...	...	...	...	...	...
Drax Hall ...	1.65	0.35	19	10	3.21
Liberty Hill ...	3.58	1.28	26	9	...
St. Ann's Bay ...	2.45	0.50	26	12	2.40
Seville ...	2.54	0.65	1	9	3.07
Richmond Estate ...	3.85	1.42	26	9	2.63
Llandovery ...	3.93	1.61	26	6	2.80
Southfield, St. Ann ...	...	...	...	...	...
Ballintoy ...	...	...	...	...	...
Brown's Town ...	2.91	1.00	8	8	2.99
Hyde Park ...	...	...	...	...	...
Dry Harbour ...	2.61	0.95	26	8	1.56
Chewmagna, St. Ann ...	3.27	1.00	11	10	3.37
Home Castle ...	5.95	2.00	26	8	2.56
Richmond Pen ...	...	...	...	..	...
Mahogany Hall ...	...	...	...	...	...
Barnstaple ...	6.25	1.40	8	9	...
Brampton Bryan ...	5.04	1.37	8	9	1.88
Bryan Castle ...	5.40	2.50	8	8	1.88
Braco ...	4.65	2.45	8	9	1.62
Arcadia ...	5.24	1.85	8	11	1.84
Lancaster ...	4.64	2.44	8	8	1.92
Harmony Hall ...	4.62	2.74	8	10	1.74
Vale Royal ...	5.74	1.77	8	8	2.28
Colchis Pen ...	3.86	0.85	9	11	2.02
Swanswick ...	4.15	1.00	9	9	...
Hyde ...	3.10	2.55	9	5	2.68
Georgia ...	...	...	...	...	...
Long Pond ...	3.70	0.84	8	7	2.18
Hyde Hall ...	...	...	...	...	...
Steelfield ...	3.98	1.29	8	7	2.17
Etingdon ...	...	...	...	...	...
Oxford ...	...	...	...	...	...
Cambridge ...	...	...	...	...	...
Lottery ...	1.90	0.55	26	7	2.00
Falmouth ...	1.87	0.59	1	7	1.76
Florence Hall ...	1.25	0.65	8	13	...
Holland Pen ...	...	...	...	...	...
Orange Valley ...	...	...	...	...	...
Kent ...	1.56	0.53	24	6	1.80
Gales Valley ...	3.62	1.00	26	7	2.35
Canaan ...	...	...	...	...	...
Content ...	2.10	0.80	26	4	2.17
Bellfield ...	2.08	0.89	24	6	...
Hampden ...	...	...	...	...	...
Moor Park ...	2.22	1.06	26	5	...
Success ...	0.95	0.40	24	4	1.92
Guilsbro ...	...	...	...	...	...
Cinnamon Hill ...	1.10	0.90	8	2	1.76
Rose Hall ...	1.39	0 90	8	4	1.59
Running Gut ...	2.29	1.70	8	5	1.59
Spring ...	...	...	...	...	...
Montego Bay ...	2.05	0.87	9	4	1.58
Catherine Hall ...	2.28	0.77	26	7	1.84
King Gate ...	...	...	...	...	...
Round Hill ...	...	...	...	...	...
Sandy Bay ...	4.99	1.15	26	10	2.68
Haughton Court ...	...	...	...	...	...
Lucea ...	7.78	4.20	26	12	2.33
Westfield ...	...	...	...	...	...

CENTRAL SUB-DIVISION.	MARCH, 1912. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Rio Magno ...	...	...	...	...	...
Headworks, Rio Cobre ...	4.68	3.04	18	6	2.84
Linstead ...	2.50	0.80	26	7	3.06
Berkshire Hall ...	4.41	1.13	19	15	...
Point Hill ...	3.87	0.64	26	15	5.25
Brown's Hall ...	2.99	0.74	17	9	4.49
Worthy Park ...	3.93	1.02	10	7	2.84
Crofts Hill ...	4.37	2.11	19	13	...
Chapelton ...	3.62	0.85	8	15	2.70
Mears ...	...	...	...	...	...
Danks Works ...	5.08	0.90	10	16	3.26
Savoy House ...	5.02	1.09	10	18	4.07
Trout Hall ...	5.72	1.65	19	14	...
Cave Valley ...	5.15	1.80	16	...	...
Greenock ...	5.36	1.80	16	...	...
Means ...	3.45	...	...	...	...
WEST-CENTRAL DIVISION.					
Whitney ...	5.30	0.95	25	13	...
Mocho, Clarendon ...	...	...	...	...	...
Baillieston ...	4.68	1.87	19	11	4.64
Brokenhurst ...	13.35	3.10	6	15	2.70
Christiana ...	8.42	2.50	18	11	4.06
Chudleigh ...	7.95	3.65	18	10	...
Shooter's Hill ...	2.78	0.36	19	16	...
Spitzbergen ...	5.17	1.25	18	12	...
Kendal, Manchester ...	2.84	0.56	8	18	3.44
Marshalls Pen ...	6.19	1.70	8	16	3.85
Mandeville ...	8.67	1.93	8	18	4.28
Carlton, Mandeville ...	8.07	1.88	8	19	...
Berry Hill ...	8.48	2.60	8	14	...
Fairfield, Manchester ...	6.01	1.49	8	19	3.84
Ulster Spring ...	...	...	...	...	...
Albert Town ...	5.17	1.12	12	12	...
Low River ...	7.39	2.50	11	9	...
Troy ...	9.00	2.50	19	9	6.17
Fontabelle, Trel. ...	...	...	...	...	...
Windsor Pen, Trel. ...	4.25	1.08	9	12	3.07
Wallingford ...	7.37	1.82	18	10	...
Balaclava Police Station ...	6.59	2.16	18	8	4.74
Siloah ...	5.94	1.49	18	12	...
Santa Cruz ...	8.20	2.79	18	15	4.26
Appleton Estate ...	6.62	1.60	18	12	5.47
Maggotty ...	8.05	1.90	18	17	5.80
Spring Vale ...	7.26	1.45	26	15	2.92
Ipswich, Ry. St. ...	12.04	3.11	22	20	...
Springfield, St. Eliz. ...	...	...	...	...	...
Catadupa Rly. Station ...	...	...	...	...	...
Kempshot ...	7.66	2.70	25	18	3.00
Hazelymph ...	7.27	1.45	9	14	3.64
Kew Park ...	6.98	2.62	9	18	4.10
Copse ...	...	...	...	...	...
Ramble ...	6.95	1.73	23	12	...
Petersville ...	6.05	1.16	16	17	5.18
Darliston ...	7.69	1.76	19	17	6.54
Whithorn ...	4.98	0.80	26	16	5.87
Great Valley, Han. ...	...	...	...	...	...
Brownsville ...	...	...	...	...	...
Fort William ...	...	...	...	...	...
George's Plain ...	...	...	...	...	...
Fontabelle, Westm. ...	10.83	2.01	11	17	3.94
Belleisle ...	13.27	2.94	11	14	3.38
Morgan's Bridge ...	11.50	2.31	25	18	4.75
Glasgow Estate ...	6.13	1.41	21	12	7.95
King's Vale Police St, ...	8.02	1.88	26	17	4.91
Means ...	7.61	...	...	...	...

SOUTHERN DIVISION.	MARCH, 1912. Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Morant Point L. H. ...	2.13	0.90	10	13	2.11
East Prospect ...	1.89	0.66	9	18	...
Morant Bay ...	2.65	0.46	25	15	1.79
Easington ...	4.57	1.15	8	15	2.94
Bull Bay ...	1.79	1.53	18	2	...
Bellevue ...	5.92	1.48	17	10	...
Gordon Town ...	3.72	1.75	18	6	1.54
Hope Gardens ...	4.76	1.83	18	11	1.90
King's House Gardens ...	5.00	2.16	18	12	1.26
Halfway Tree ...	3.17	2.57	18	2	1.06
Lunatic Asylum ...	0.74	0.30	18	4	0.97
Kingston S. Camp Road ...	0.98	0.62	18	6	...
" Parade Gard. ...	0.90	0.60	...	3	...
" P. W. Office ...	0.56	0.40	18	4	1.05
Plumb Point L. H. ...	1.21	0.45	8	9	0.91
Ballast Ground ...	4.92	3.72	18	3	...
Quarantine Station ...	0.62	0.41	18	3	...
Spanish Town ...	1.30	0.75	18	6	2.10
Hog Hole Pen ...	1.09	1.09	18	1	2.11
Hartlands ...	0.86	0.38	8	3	...
Old Harbour ...	2.97	1.40	19	6	2.20
May Pen ...	5.30	2.08	17	10	2.01
Hillside Estate ...	...	...	...	...	...
Amity Hall ...	...	...	...	...	...
Money Musk ...	...	...	...	...	...
Dunkley's, Vere ...	11.19	1.24	7	10	1.49
Dry River " ...	3.88	1.36	8	8	...
Caswell Hill " ...	4.71	1.97	8	8	...
Denbigh ...	...	...	...	...	...
Toll Gate ...	2.99	0.61	21	14	...
Woodleigh ...	...	...	...	...	...
New Yarmouth ...	4.46	1.47	8	7	1.26
Exeter, Vere ...	3.27	1.42	8	10	...
Rhymesbury ...	4.90	1.48	7	14	2.11
Milk River ...	5.65	1.70	7	9	1.56
Clarendon Pk. Ry. St. ...	3.70	1.20	21	9	...
Victoria Town ...	6.35	1.40	7	10	2.14
Stone's Hope ...	10.30	5.40	8	10	2.64
Newport, Manchester ...	8.84	4.34	7	8	3.03
Great Valley, Man. ...	4.81	1.75	8	12	2.23
Alligator Pond ...	1.27	0.30	...	5	1.73
Lititz ...	1.90	0.68	18	8	...
Unity, Malvern ...	...	...	...	...	...
Bethlehem, St. Eliz. ...	4.15	1.85	19	13	4.25
Torrington ...	2.59	1.50	18	4	...
Pedro Plains ...	1.73	1.52	18	3	2.34
Black River ...	4.93	1.80	18	14	2.59
Font Hill ...	4.40	1.00	17	11	4.09
Mount Edgecombe ...	5.75	1.74	21	18	4.10
Bluefields ...	8.23	1.02	26	14	...
Sweet River ...	6.98	1.36	26	5	3.54
Windsor, Sav.-la-mar ...	7.12	2.17	26	12	2.90
Orchard, Sav.-la-mar ...	8.69	2.45	26	15	...
Sav.-la-mar ...	5.59	1.60	26	14	2.63
Retreat ...	7.18	1.10	20	14	3.28
White Hall ...	6.26	1.18	15	23	...
Negril Point L.H. ...	6.60	1.49	15	21	2.34
Negril Pol. Sta. ...	4.56	0.90	25	16	...
Means ...	4.44	...	...	...	...

NOTES.

COMPARATIVE TABLE OF RAINFALL.

(Based upon the "Average" Stations only.)

	March.	
	1912.	Average.
	In.	In.
North-Eastern Division ...	4.00	4.61
Northern ...	3.45	2.36
West-Central ...	7.61	4.18
Southern ...	4.44	2.22
The Island ...	4.88	3.34

The heaviest rainfall 13.35 inches was recorded at Brokenhurst in the west-central division.

The smallest 0.56 was recorded at the Kingston Public Works Office.

Falls of hail are reported from Hope Gardens and S. Camp Road at 1.30 p.m. on 20th and at Mt. Edgecombe on the 21st.

Rainfall at Grand Cayman. February, 1912.	Total Fall.	Greatest fall. Amount.	Greatest fall. Date.	No. of days on which 0.01 or more fell.
East End ...	1.12	0.47	10	5
Bodden Town ...	1.06	0.35	7	7
George Town ...	1.75	0.41	11	11

SHOCKS OF EARTHQUAKE IN MARCH, 1912.

Date.	Mean time.	Intensity.	Notes: where felt, etc.
	hr. min.		
7th	11 58 p.m.	I	Siloah and Great Valley (Hanover) double shock. Distinct separation.
8th	12 2 a.m.	II	Glengoffe, St. Mary
8th	12 10 a.m.	I	Montego Bay, Adelphi and Windsor Pen, (Trel.)
24th	2 30 p.m.	I	Yallahs
28th	12 45 a.m.	I	Kingston and Mt. Edgecombe.
28th	12 2 a.m.	I	Mt. Holstein & Siloah.

MAGNETIC VARIATION. The variation of the compass at the Kempshot Observatory in March was 2° 26′ E.

MILES OF WIND PER DIEM REGISTERED AT THE PLUMB POINT LIGHT HOUSE.

1912.	Mean.	Greatest.	Date.	Least.	Date.	Average direction (from) 7 a.m.	Average direction (from) 3 p.m.
March	295	506	23rd	113	20t	S.E.	S.E.

It has been found necessary to reprint the annual return for 1911 from the Morant Pt. Light House, and the following table replaces that which appeared in the last Weather Report for February.

The Weather Office,
Halfway Tree P.O.

MAXWELL HALL,
Govt. Meteorologist.

No. 403.

LIBRARY
JUN 20 1912
Weather Bureau

JAMAICA

WEATHER REPORT

FOR THE MONTH OF

APRIL, 1912.

The Bar-pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew, 32° gravity at Lat. 45°, and mean sea-level. The bar. at Hill Gardens is reduced to the first three standards only Thermometers are exposed in Stevenson's Screens; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the small instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower clouds are for the most part fracto-stratus: the Middle clouds, cumulus; and the Upper clouds, cirro-stratus.

METEOROLOGICAL RESULTS.

Stations.	Elevation.	Bar. Pressure.		Temperature.					Extreme Temperature.				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range.
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House .	8	30.021	29.967	77.8	81.6	83.6	69.5	14.1	85.6	26th	61.0	4th	24.6
Kingston .	24	29.990	29.936	75.6	83.5	87.7	70.7	17.0	90.5	5th	68.1	7th	22.4
Kempshot .	1,773	29.998	29.936	70.1	76.4	80.3	67.7	12.6	84.4	19th	65.8	11th	18.6
Negril Point Light House	33	30.004	29.943	76.6	83.0	85.4	70.1	15.3	87.4	26th	67.5	2nd	19.9
Castleton Gardens .	496	...	...	67.1	82.9	88.8	57.7	21.1	93.0	20th	55.0	*2nd	38.0
Hope Gardens† .	668	30.005	29.923	71.9	82.1	85.5	67.6	17.9	89.0	26th	66.0	*6th	23.0
Stony Hill Reformatory .	1,400	...	...	70.0	80.0	82.2	64.3	17.9	86.0	*19th	62.0	*1st	24.0
Hill Gardens .	4,907	25.336	25.272	62.5	63.1	68.2	54.8	13.4	72.0	19th	53.0	*1st	19.0

Stations.	Elevation.	Dew Point and Humidity.				Rainfall.	Wind per diem.	Wind: (direction from and miles per hour.)				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°		°		in.	miles		m.		m.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House .	8	73.3	86	73.8	78	2.53	357	SE	10.2	SE	7.6	4.9	2.9	2.4	3.8	2.9	2.9
Kingston .	24	67.9	77	70.2	64	0.51	201	NNE	3.7	SE	14.9	1.0	0.7	0.4	4.2	2.0	0.5
Kempshot .	1,778	57.8	65	67.2	73	1.04	122	E	4.8	Var.	4.4	2.8	0.3	0.7	2.2	4.2	0.3
Negril Point Light House‡	33	69.1	78	70.2	66	1.49	185	ENE	6 2	S	10.4	0.7	0.8	0.8	2.7	5.6	0.0
Castleton Gardens .	496	69.9	93	71.5	77	3.86	...	...	...	...	...	...	...	...	...	...	..
Hope Gardens .	668	64.2	76	72.4	72	1.27	...	...	...	...	...	...	...	...	...	...	...
Stony Hill Reformatory .	1,400	67.4	91	76.5	89	2.97	...	...	...	...	...	...	...	...	...	...	...
Hill Gardens .	4,907	57.0	81	59.9	92	4.76	...	...	...	...	...		...	...	...	...	...

* and on other days.

† Hope Gardens. Bar. read at 9 a.m. and 3 p.m.

‡ Negril Point Light House. Wind 11 p.m. E. 6.8

RAINFALL FOR APRIL, 1912.

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the date of this report; the last column contains the corresponding Rainfall average for the month, according to Weather Report, No. 256A. In obtaining the mean Rainfall for the month from the numbers in the column for the total fall, only those Stations are considered for which the average Rainfall has been also given in the last column, so that the results of these two columns are directly comparable for each division. These results are reproduced in the comparative table at the end of this Rainfall Return, so as to arrive at the mean for the whole Island, embracing the four divisions.

The Northern division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which form the Central sub-division; the Southern division comprises the southern shores from Holland Bay to South Negril; The North-Eastern and West-Central divisions are the remaining parts of the Island bounded by the sea and the other divisions.

NORTH-EASTERN DIVISION.	APRIL, 1912. Total Fall.	Greatest fall in 24 hours. Amount	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Manchioneal	...	...	...	...	...
Spring Valley	3.23	0.90	27	11	...
Ecclesdown	5.05	0.90	27	13	...
Bath	10.46	2.72	26	12	5.65
Boston	2.80	0.90	26	5	5.68
Moore Town	7.48	...	...	...	9.77
Port Antonio	2.56	0.94	27	4	6.27
Fellowship	4.50	1.21	5	13	9.24
Windsor, Portland	4.30	1.50	6	6	...
Johnson River Bridge	4.20	0.71	18	14	4.38
Fruitfull Vale	3.88	0.71	27	15	...
Cedar Valley, St. Thos.	2.55	1.10	5	8	3.94
Moy Hall, St. Thos.	2.69	1.45	6	7	3.71
Lennox	1.70	0.60	5	6	...
Hill Gardens	4.76	3.33	6	10	6.09
Buff Bay	1.71	0.52	5	6	5.73
Vinery	...	...	...	...	...
Windsor Castle, Port.	...	...	...	...	...
Greenvale, Portland	6.08	1.75	6	13	—
Mt. Holstein	6.46	3.48	5	14	6.00
Irish Town	3.31	1.00	27	5	...
Hardware Gap	2.45	...	...	...	5.86
Stony Hill Reform.	2.97	1.60	17	8	5.24
Castleton Gardens	3.30	1.50	5	11	6.80
Lawrence Tavern	1.30	0.60	28	3	4.24
Carew Castle	1.12	0.40	27	6	5.05
Agualta Vale	1.16	0.45	26	4	...
Water Valley	0.67	0.50	26	3	4.78
Albany, Ry. Station	0.50	0.50	26	1	...
Platfield	2.05	0.60	18	6	...
Richmond, St. Mary	2.33	0.60	28	10	4.54
Hampstead, St. Mary	2.97	0.83	5	6	...
Kendal, St. Mary	2.74	0.63	17	8	...
Gayle	3.49	1.20	18	7	4.89
Rio Hoe	4.22	0.83	29	10	4.38
Unity Valley	4.20	0.90	29	11	4.61
Moneague	4.02	0.90	27	12	4.04
Union Hill	...	...	...	...	...
Claremont	3.11	1.14	5	7	3.80
Albion, St. Ann	3.56	1.15	29	10	4.38
Averham Park	4.06	1.55	5	7	4.73
Means ..	3.64	..	...	...	...

NORTHERN DIVISION.	APRIL, 1912. Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Port Maria	2.57	1.12	27	9	3.88
Ocho Rios	0.72	0.37	26	3	2.83
Bogue, Ocho Rios	1.04	0.35	6	4	...
Arthurs Seat	...	...	...	...	...
Drax Hall	1.55	0.40	4	7	3.21
Liberty Hill	1.65	0.53	5	6	...
St. Ann's Bay	1.89	0.74	5	5	3.00
Seville	2.12	0.43	4	7	2.79
Richmond Estate	1.34	0.61	5	4	3.38
Llandovery	1.04	0.25	3	5	3.39
Southfield, St. Ann	...	...	...	...	...
Ballintoy	...	...	...	...	...
Brown's Town	2.20	1.34	26	6	3.28
Hyde Park	...	...	...	...	...
Dry Harbour	0.65	0.30	5	5	1.91
Chewmagna, St. Ann	2.40	0.67	8	8	2.87
Home Castle	1.10	0.40	27	3	3.23
Richmond Pen	...	...	...	...	...
Mahogany Hall	1.42	0.53	26	6	3.80
Barnstaple	1.40	0.40	5	6	...
Brampton Bryan	1.02	0.72	5	3	2.13
Bryan Castle	0.94	0.55	5	5	2.12
Braco	0.50	0.25	5	2	2.21
Arcadia	0.75	0.46	5	4	2.28
Lancaster	0.64	0.30	5	2	2.26
Harmony Hall	0.41	0.24	5	4	2.07
Vale Royal	1.66	0.50	5	5	2.84
Colchis Pen	0.17	0.10	27	2	3.08
Swanswick	1.75	0.60	5	6	...
Hyde	...	...	...	...	...
Georgia	0.68	0.40	5	3	...
Long Pond	1.09	0.37	6	7	1.58
Hyde Hall	0.72	0.35	5	2	...
Steelfield	0.97	0.48	6	5	2.41
Etingdon	0.50	0.35	5	3	...
Oxford	...	...	...	...	...
Cambridge	...	...	...	...	...
Lottery	0.45	0.20	5	3	2.30
Falmouth	0.08	0.08	26	1	2.20
Florence Hall	...	...	...	...	...
Holland Pen	...	...	...	...	...
Orange Valley	...	...	...	...	...
Kent	0.17	0.14	19	2	2.39
Gales Valley	1.60	1.10	29	2	2.37
Canaan	...	...	...	...	...
Content	0.10	0.10	19	1	2.35
Bellfield	0.53	0.21	29	4	...
Hampden	...	...	...	...	...
Moor Park	0.58	0.23	27	5	...
Success	...	...	...	...	...
Guilsbro	...	...	...	...	...
Cinnamon Hill	...	...	...	...	...
Rose Hall	...	...	...	...	...
Running Gut	...	...	...	...	...
Spring	...	...	...	...	...
Montego Bay	0.13	0.13	6	1	3.71
Catherine Hall	0.21	0.16	29	2	4.16
King Gate	...	...	...	...	...
Round Hill	1.20	0.50	29	3	2.68
Sandy Bay	1.08	0.55	21	4	4.02
Haughton Court	...	...	...	...	...
Lucea	1.04	0.34	21	7	4.07
Westfield	...	...	...	...	...

CENTRAL SUB-DIVISION.	APRIL, 1912. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Rio Magno ...	3.50	0.80	28	8	...
Headworks, Rio Cobre ...	1.10	1.00	27	3	3.62
Linstead ...	0.73	1.40	8	3	4.43
Berkshire Hall ...	3.12	0.95	21	9	...
Point Hill ...	1.22	0.40	27	7	6.07
Brown's Hall ...	1.57	0.49	27	6	4.17
Worthy Park ...	1.68	0.65	27	6	3.44
Crofts Hill ...	1.03	0.39	3	4	...
Chapelton ...	0.52	0.15	29	7	3.57
Mears ...	1.38	0.65	9	7	...
Danks Works ...	0.82	0.19	16	8	4.69
Savoy House ...	0.86	0.16	27	9	4.09
Trout Hall ...	0.63	0.18	26	7	...
Cave Valley ...	1.20	...	...	...	4.94
Greenock ...	1.32	...	...	...	...
Means ...	1.14	...	...	...	...
WEST-CENTRAL DIVISION.					
Whitney ...	2.60	1.10	27	4	...
Mocho, Clarendon ...	1.32	0.88	27	4	...
Baillieston ...	1.70	0.53	3	6	5.28
Brokenhurst ...	2.82	0.72	8	7	5.25
Christiana ...	1.41	0.48	27	5	8.10
Chudleigh ...	0.97	0.15	13	10	...
Shooter's Hill ...	1.91	0.57	8	9	...
Spitzbergen ...	1.67	0.57	4	11	...
Kendal, Manchester ...	2.39	0.59	8	9	7.44
Marshalls Pen ...	3.00	1.00	5	6	5.90
Mandeville ...	1.47	0.60	8	7	5.96
Carlton, Mandeville ...	1.51	0.50	8	11	...
Berry Hill ...	2.20	0.72	8	9	...
Fairfield, Manchester ...	3.19	1.40	4	11	6.46
Ulster Spring ...	2.02	0.60	23	5	6.20
Albert Town ...	3.79	0.92	17	8	...
Low River ...	1.88	0.76	10	6	...
Troy ...	3.80	1.50	20	7	9.62
Pepper ...	...	...	...	...	...
Fontabelle, Trel. ...	...	...	...	...	...
Windsor Pen, Trel. ...	1.67	0.50	19	9	6.10
Wallingford ...	3.00	1.13	14	12	...
Balaclava Police Station ...	2.07	0.81	14	7	9.66
Siloah ...	2.30	0.50	12	9	...
Santa Cruz ...	4.72	1.50	4	12	9.34
Appleton Estate ...	2.11	0.33	16	11	9.67
Maggotty ...	2.97	1.20	27	11	9.39
Spring Vale ...	3.18	0.87	21	8	5.44
Ipswich, Ry. St. ...	3.27	0.82	25	11	...
Springfield, St. Eliz. ...	...	...	...	...	...
Catadupa Rly. Station ...	...	...	...	...	...
Kempshot ...	1.04	0.45	21	10	5.54
Hazelymph ...	1.10	0.32	18	7	6.04
Kew Park ...	3.09	1.15	20	12	8.27
Copse ...	...	...	...	...	...
Ramble ...	5.93	1.67	8	9	...
Petersville ...	3.65	0.89	27	13	7.35
Darliston ...	4.20	1.00	25	11	11.40
Whithorn ...	...	...	...	...	...
Great Valley, Han. ...	2.15	0.90	29	6	7.62
Brownsville ...	...	...	...	...	...
Fort William ...	...	...	...	...	...
George's Plain ...	...	...	...	...	...
Fontabelle, Westm. ...	2.06	1.03	28	5	5.94
Belleisle ...	2.56	1.00	22	7	6.98
Morgan's Bridge ...	...	...	...	...	...
Glasgow Estate ...	...	...	...	...	...
King's Vale Police St. ...	6.60	0.34	21	7	5.90
Means ...	2.71	...	...	...	...

SOUTHERN DIVISION.	APRIL, 1912. Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Morant Point L. H. ...	2.53	0.80	7	12	2.99
East Prospect ...	2.00	0.66	27	10	...
Morant Bay ...	2.07	0.75	5	8	2.55
Easington ...	1.75	0.41	5	8	1.73
Bull Bay ...	0.00	...	...	...	0.85
Bellevue ...	1.45	0.75	5	5	...
Gordon Town ...	1.64	0.65	27	5	3.22
Hope Gardens ...	1.27	0.48	17	8	2.84
King's House Gardens ...	1.48	0.76	27	8	2.48
Halfway Tree ...	0.00	...	...	...	1.63
Lunatic Asylum ...	0.33	0.22	27	4	1.07
Kingston S. Camp Road ...	0.49	0.32	27	5	...
" Parade Gard. ...	0.47	0.32	...	2	...
" P. W. Office ...	0.51	0.23	30	5	1.01
Plumb Point L. H. ...	0.20	0.11	27	4	0.99
Ballast Ground ...	0.25	0.20	27	2	...
Quarantine Station ...	0.20	0.11	29	2	...
Spanish Town ...	0.67	0.30	9	6	2.30
Hog Hole Pen ...	1.09	0.51	10	4	2.96
Hartlands ...	0.64	0.32	5	3	...
Old Harbour ...	1.10	0.50	25	3	2.87
May Pen ...	0.67	0.31	29	4	2.92
Hillside Estate ...	...	...	...	...	...
Amity Hall ...	0.35	0.15	...	4	...
Money Musk ...	0.32	...	...	...	...
Dunkley's, Vere ...	0.92	0.70	9	2	2.16
Dry River " ...	1.42	0.58	10	5	...
Caswell Hill " ...	1.69	0.80	17	4	...
Denbigh ...	0.00	...	...	...	...
Toll Gate ...	0.91	0.28	26	8	...
Woodleigh ...	0.00	...	...	...	...
New Yarmouth ...	1.64	0.57	9	4	2.31
Exeter, Vere ...	...	...	...	...	...
Rhymesbury ...	0.29	0.13	6	4	2.11
Milk River ...	1.06	0.40	7	6	2.25
Clarendon Pk. Ry. St. ...	1.57	0.59	28	5	...
Victoria Town ...	1.58	0.70	29	3	3.83
Stone's Hope ...	1.22	0.68	8	4	4.13
Newport, Manchester ...	2.05	0.59	29	6	4.96
Great Valley, Man. ...	2.17	1.05	8	11	4.05
Alligator Pond ...	0.85	0.68	4	3	3.20
Lititz ...	1.88	0.66	4	9	...
Long Hill ...	1.83	0.65	4	9	7.60
Unity, Malvern ...	...	...	...	...	...
Bethlehem, St. Eliz. ...	2.18	0.70	4	12	6.30
Torrington ...	2.12	0.90	5	5	4.53
Pedro Plains ...	1.91	0.95	6	5	2.22
Black River ...	1.64	0.47	9	8	4.18
Font Hill ...	3.20	1.10	24	7	4.40
Mount Edgecombe ...	2.28	1.11	15	12	5.40
Bluefields ...	2.83	0.58	27	9	...
Sweet River ...	1.95	1.08	26	7	5.70
Windsor, Sav.-la-mar ...	2.09	0.76	25	9	4.99
Orchard, Sav.-la-mar ...	1.86	0.50	26	6	...
Sav.-la-mar ...	...	...	...	...	...
Retreat ...	1.67	0.76	27	6	5.07
White Hall ...	2.99	1.18	27	7	...
Negril Point L.H. ...	1.49	0.56	27	6	3.03
Negril Pol. Sta. ...	2.20	1.10	27	6	...
Means ...	1.36	...	...	...	...

NOTES.

COMPARATIVE TABLE OF RAINFALL.

(Based upon the "Average" Stations only.)

	April.	
	1912.	Average.
	In.	In.
North-Eastern Division ...	3.64	5.31
Northern ...	1.14	3.05
West-Central ...	2.71	7.13
Southern ...	1.36	3.24
The Island ...	2.21	4.68

The heaviest rainfall 10.46 inches was recorded at Bath. No rain fell at Bull Bay and Halfway Tree.

Rainfall at Grand Cayman. March, 1912.	Total Fall.	Greatest fall. Amount.	Greatest fall. Date.	No. of days on which 0.01 or more fell.
East End ...	1.23	0.50	30	7
Bodden Town ...	0.47	0.24	7	5
George Town ...	3.71	2.82	27	10

SHOCKS OF EARTHQUAKE IN APRIL, 1912.

Date.	Mean time.	Intensity.	Notes: where felt, etc.
	hr. min.		
23rd	10 35 a.m.	I	Mt. Holstein E. 001. Rumbling sound.

MAGNETIC VARIATION. The variation of the compass at the Kempshot Observatory in April was 2° 28′ E.

MILES OF WIND PER DIEM REGISTERED AT THE PLUMB POINT LIGHT HOUSE.

1912.	Mean.	Greatest.	Date.	Least.	Date.	Average direction (from) 7 a.m.	Average direction (from) 3 p.m.
April							

Gorrigenda.—Weather Report No. 402 March, 1912. Southern Division. Rainfall at Dunkley's for 11.19 read 4.19. As announced in the Wather Report for March it has been found necessary to reprint the annual return for Morant Pt. Light House, for 1911, and it will be found on the following page.

The Weather Office,

Halfway Tree P.O.

MAXWELL HALL,
Govt. Meteorologist.

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	F	16.0	1 2	1.0	2.3	2.2	3.0	2.9
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	82.8	75.4	78.8	..	E by N	14.5	E	15.5	1.3	1.1	2.5	2.3	2.5	2.6

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No. 404.

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JAMAICA

WEATHER REPORT

FOR THE MONTH OF

MAY, 1912.

The Bar-pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew, 32 gravity at Lat. 45°, and mean sea-level. The bar. at Hill Gardens is reduced to the first three standards only Thermometers are exposed in Stevenson's Screens; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the small instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower clouds are for the most part fracto-stratus: the Middle clouds, cumulus; and the Upper clouds, cirro-stratus.

METEOROLOGICAL RESULTS.

Stations.	Elevation.	Bar. Pressure.		Temperature.					Extreme Temperature.				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range.
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House	8	29.937	29.886	80.3	83.5	84.8	75.4	9.4	86.0	*29th	68.0	*15th	18.0
Kingston	24	29.955	29.902	78.1	84.3	87.9	72.9	15.0	89.9	2nd	70.4	1st	19.5
Kempshot	1,773	29.965	29.923	72.0	75.4	80.9	68.4	12.5	83.5	1st	66.2	1st	17.3
Negril Point Light House	33	29.958	29.918	79.3	81.6	85.9	72.0	13.9	87.7	20th	69.9	*5th	17.8
Castleton Gardens	496	...	...	68.7	82.3	88.9	59.7	29.2	93.0	13th	56.0	27th	37.0
Hope Gardens†	668	29.962	29.874	76.1	85.0	88.7	68.3	18.4	90.0	*2nd	68.0	*8th	22.0
Stony Hill Reformatory	1,400	...	...	71.3	79.7	82.5	66.3	16.2	88.0	22nd	64.0	*1st	24.0
Hill Gardens	4,907	25.289	25.264	64.6	65.5	69.7	57.0	12.7	73.0	*9th	56.0	*1st	17.0

Stations.	Elevation.	Dew Point and Humidity.				Rainfall.	Wind per diem.	Wind: (direction from and miles per hour.)				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°		°		in.	miles		m.		m.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House	8	75.5	88	76.0	78	0.62	319	SE	8.0	SE	12.7	4.3	2.6	1.9	4.5	3.0	2.4
Kingston	24	69.3	74	72.4	68	0.27	244	NNE	4.3	SE	19.3	0.7	0.8	0.8	4.0	1.7	1.0
Kempshot	1,773	66.0	81	68.9	80	15.00	95	E	3.2	Var.	3.7	0.2	1.2	0.8	0.7	8.0	0.4
Negril Point Light House‡	33	71.7	78	73.5	77	8.12	188	ENE	5.5	SE	9.7	0.1	1.7	2.3	7.4	2.1	0.0
Castleton Gardens	496	57.1	75	62.8	87	12.41	...	...	...	...	...	...	...	...	...	...	...
Hope Gardens	668	64.5	66	70.1	61	1.93	...	...	...	...	...	...	...	...	...	...	...
Stony Hill Reformatory	1,400	68.4	90	76.5	90	6.30	...	...	...	...	...	...	...	...	...	...	...
Hill Gardens	4,907	57.1	75	62.8	87	2.00	...	...	...	...	...	...	...	...	...	...	...

* and on other days.

† Hope Gardens. Bar. read at 9 a.m. and 3 p.m.

‡ Negril Point Light House. Wind 11 p.m. E. 5.7

RAINFALL FOR MAY, 1912.

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the date of this report; the last column contains the corresponding Rainfall average for the month, according to Weather Report, No. 256A. In obtaining the mean Rainfall for the month from the numbers in the column for the total fall, only those Stations are considered for which the average Rainfall has been also given in the last column, so that the results of these two columns are directly comparable for each division. These results are reproduced in the comparative table at the end of this Rainfall Return, so as to arrive at the mean for the whole Island, embracing the four divisions.

The Northern division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which form the Central sub-division; the Southern division comprises the southern shores from Holland Bay to South Negril; The North-Eastern and West-Central divisions are the remaining parts of the Island bounded by the sea and the other divisions.

NORTH-EASTERN DIVISION.	MAY, 1912. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Manchioneal ...	...	...	..	..	...
Spring Valley ...	4.61	1.08	5	11	...
Ecclesdown ...	6.48	1.25	5	10	...
Bath ...	3.53	1.25	31	9	12.75
Boston ...	2.88	1.00	18	3	16.55
Moore Town ...	5.70	...	...	...	16.96
Port Antonio ...	4.97	1.39	5	12	16.60
Fellowship ...	3.80	0.95	4	13	20.35
Windsor, Portland ...	...	...	...	...	...
Johnson River Bridge ...	3.69	1.87	20	12	9.52
Fruitfull Vale ...	2.43	0.75	23	9	...
Cedar Valley, St. Thos. ...	1.42	0.50	18	6	9.33
Moy Hall, St. Thos. ...	1.70	0.65	18	6	9.44
Lennox ...	2.00	0.50	2	3	...
Hill Gardens ...	2.00	0.78	11	9	10.71
Buff Bay ...	2.16	0.87	23	6	8.15
Vinery ...	1.11	0.71	23	2	...
Windsor Castle, Port. ...	1.12	0.87	23	2	...
Greenvale, Portland ...	2.25	1.56	5	6	...
Mt. Holstein ...	1.21	0.24	23	10	8.14
Irish Town ...	2.10	0.90	19	4	...
Hardware Gap ...	3.50	...	...	...	12.57
Stony Hill Reform. ...	6.30	1.90	19	13	9.73
Castleton Gardens ...	12.41	4.70	28	18	12.04
Lawrence Tavern ...	8.94	1.75	16	11	9.12
Carew Castle ...	7.94	1.31	25	16	9.23
Agualta Vale ...	1.21	0.52	28	4	...
Water Valley ...	0.91	0.32	24	5	7.23
Albany, Ry. Station ...	...	...	...	...	...
Platfield ...	9.85	2.92	17	13	...
Richmond, St. Mary ...	4.00	1.14	16	14	7.54
Hampstead, St. Mary ...	0.41	0.18	24	3	...
Kendal, St. Mary ...	8.70	3.45	17	13	...
Gayle ...	3.03	1.18	20	8	8.37
Rio Hoe ...	1.72	0.45	31	7	8.48
Unity Valley ...	2.80	0.78	31	7	9.99
Moneague ...	2.01	1.04	31	6	8.26
Union Hill ...	...	...	...	...	...
Claremont ...	1.60	0.57	5	4	7.34
Albion, St. Ann ...	3.77	1.05	5	6	8.46
Averham Park ...	3.09	1.21	5	8	8.25
Means ..	3.76	..	...	...	...

NORTHERN DIVISION.	MAY, 1912. Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Port Maria ...	1.27	0.34	20	7	6.61
Ocho Rios ...	0.72	0.60	20	2	5.20
Bogue Ocho Rios ...	0.99	0.60	20	4	...
Arthurs Seat ...	...	...	...	...	...
Drax Hall ...	1.55	0.75	20	4	7.10
Liberty Hill ...	2.34	0.94	5	5	...
St. Ann's Bay ...	1.22	0.60	20	5	5.64
Seville ...	1.43	0.64	20	4	7.18
Richmond Estate ...	1.70	1.14	4	2	7.42
Llandovery ...	1.54	0.94	20	2	7.11
Southfield, St. Ann ...	...	...	...	...	...
Ballintoy ...	...	...	...	...	...
Brown's Town ...	2.12	1.48	29	4	7.23
Hyde Park ...	...	...	...	...	...
Dry Harbour ...	1.35	1.13	4	4	5.04
Chewmagna, St. Ann ...	3.90	1.50	14	8	6.70
Home Castle ...	0.92	0.40	30	6	6.13
Richmond Pen ...	...	...	...	...	...
Mahogany Hall ...	5.26	1.06	16	10	8.81
Barnstaple ...	1.55	0.45	31	6	...
Brampton Bryan ...	2.97	1.42	4	5	5.72
Bryan Castle ...	2.20	1.05	4	5	5.49
Braco ...	0.90	0.50	4	4	4.90
Arcadia ...	2.03	1.08	4	5	4.98
Lancaster ...	1.35	0.90	...	2	5.40
Harmony Hall ...	0.77	0.52	4	2	4.88
Vale Royal ...	2.56	1.05	4	8	6.34
Colchis Pen ...	6.37	1.64	26	11	7.15
Swanswick ...	5.60	1.90	31	8	...
Hyde ...	6.00	2.40	29	8	7.92
Georgia ...	2.59	1.37	4	6	...
Long Pond ...	4.46	1.90	31	8	...
Hyde Hall ...	2.82	1.05	31	9	...
Steelfield ...	3.46	1.40	31	6	...
Etingdon ...	3.58	1.70	31	4	...
Oxford ...	...	...	...	...	...
Cambridge ...	...	...	...	...	...
Lottery ...	5.85	1.85	4	11	6.35
Falmouth ...	...	...	...	...	...
Florence Hall ...	3.21	1.00	16	9	...
Holland Pen ...	...	...	...	...	...
Orange Valley ...	...	...	...	...	...
Kent ...	1.73	0.80	4	6	...
Gales Valley ...	8.49	4.05	7	10	8.39
Canaan ...	...	...	...	...	...
Content ...	4.20	1.55	4	5	...
Bellfield ...	4.46	1.32	6	10	...
Hampden ...	...	...	...	...	...
Moor Park ...	5.77	1.50	5	7	...
Success ...	0.25	0.25	6	1	4.57
Guilsbro ...	...	...	...	...	...
Cinnamon Hill ...	0.70	0.30	6	4	5.28
Rose Hall ...	0.50	0.30	6	3	4.84
Running Gut ...	0.69	1.20	6	3	7.60
Spring ...	1.80	1.23	6	3	...
Montego Bay ...	6.21	1.97	18	8	7.60
Catherine Hall ...	7.07	2.20	18	13	8.69
King Gate ...	6.77	1.32	16	13	9.18
Round Hill ...	7.65	1.10	4	16	7.08
Sandy Bay ...	5.23	1.65	30	9	9.06
Haughton Court ...	5.11	2.00	30	11	...
Lucea ...	5.14	1.65	18	8	8.09
Westfield ...	...	...	...	...	...

CENTRAL SUB-DIVISION.	MAY, 1912.				
	Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Rio Magno ...	6.57	1.65	17	14	...
Headworks, Rio Cobre ...	1.52	1.00	19	2	7.71
Linstead ...	2.85	0.64	24	7	9.64
Berkshire Hall ...	3.42	0.75	20	15	...
Point Hill ...	2.83	1.22	23	9	12.80
Brown's Hall ...	3.11	1.23	19	8	8.76
Worthy Park ...	1.15	0.26	27	7	8.17
Crofts Hill ...	1.80	1.44	5	5	...
Chapelton ...	1.08	0.86	5	4	8.47
Mears ...	...	...	...	...	...
Danks Works ...	1.60	1.04	5	5	9.22
Savoy House ...	1.42	0.88	5	4	8.03
Trout Hall ...	4.60	2.10	5	9	...
Cave Valley ...	2.65	1.40	25	...	...
Greenock ...	2.42	1.25	25	...	...
Means ...	2.87	...	...	...	...
WEST-CENTRAL DIVISION.					
Whitney ...	1.75	0.85	19	4	...
Mocho, Clarendon ...	...	...	...	...	...
Baillieston ...	2.69	1.42	5	7	10.41
Brokenhurst ...	1.05	0.60	19	3	10.02
Christiana ...	3.70	0.90	11	8	11.50
Chudleigh ...	2.00	1.26	14	7	...
Shooter's Hill ...	1.82	0.56	24	8	...
Spitzbergen ...	1.54	0.45	24	9	...
Kendal, Manchester ...	2.01	0.80	26	9	10.16
Marshalls Pen ...	0.85	0.40	26	5	10.01
Mandeville ...	0.72	0.37	20	4	11.17
Carlton, Mandeville ...	0.71	0.32	20	5	...
Berry Hill ...	1.14	0.66	24	4	...
Fairfield, Manchester ...	1.24	0.55	5	9	7.87
Ulster Spring ...	7.59	2.95	18	9	11.61
Albert Town ...	9.33	1.25	18	13	...
Low River ...	4.00	1.35	14	4	...
Troy ...	12.94	3.06	19	15	17.69
Pepper ...	...	...	...	...	...
Fontabelle, Trel. ...	...	...	...	...	...
Windsor Pen, Trel. ...	11.33	1.95	5	21	10.96
Wallingford ...	6.31	2.11	19	11	...
Balaclava Police Station ...	4.36	1.33	19	9	14.41
Siloah ...	14.98	4.15	19	13	...
Santa Cruz ...	2.81	1.00	19	4	12.81
Appleton Estate ...	13.14	4.28	19	14	...
Maggotty ...	12.01	2.20	19	14	13.02
Spring Vale ...	11.00	2.51	5	15	13.57
Ipswich, Ry. St. ...	12.50	1.75	5	15	...
Springfield, St. Eliz. ...	...	...	...	...	...
Catadupa Rly. Station ...	15.02	3.30	7	24	...
Kempshot ...	15.00	2.87	30	21	10.37
Hazelymph ...	13.13	3.02	16	19	12.02
Kew Park ...	16.11	2.45	16	25	12.91
Copse ...	...	...	...	...	...
Ramble ...	12.94	2.22	18	20	...
Petersville ...	6.41	2.05	19	15	12.19
Darliston ...	20.60	2.28	18	22	16.10
Whithorn ...	13.29	1.25	31	21	14.88
Great Valley, Han. ...	8.05	1.60	26	14	14.22
Brownsville ...	...	...	...	...	...
Fort William ...	...	...	...	...	...
George's Plain ...	...	...	...	...	...
Fontabelle, Westm. ...	9.84	1.50	18	21	9.36
Belleisle ...	12.85	1.86	31	18	11.61
Morgan's Bridge ...	15.87	2.52	31	22	12.36
Glasgow Estate ...	12.31	2.03	30	22	13.32
King's Vale Police St. ...	13.27	2.45	21	20	9.76
Means ...	9.49	...	...	...	...

SOUTHERN DIVISION.	MAY, 1912.				
	Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Morant Point L. H. ...	0.62	0.18	21	10	10.76
East Prospect ...	2.47	0.64	31	11	...
Morant Bay ...	1.86	0.52	18	8	8.00
Easington ...	1.37	0.82	20	6	6.33
Bull Bay ...	...	...	...	...	...
Bellevue ...	0.33	0.33	21	1	...
Gordon Town ...	2.14	0.90	19	6	8.23
Hope Gardens ...	1.83	0.87	19	11	6.38
King's House Gardens ...	0.72	0.36	19	8	7.32
Halfway Tree ...	0.00	...	...	...	4.78
Lunatic Asylum ...	0.61	0.43	19	4	3.37
Kingston S. Camp Road ...	0.76	0.52	19	4	...
" Parade Gard. ...	0.60	0.45	...	2	...
" P. W. Office ...	0.27	0.17	19	3	4.63
Plumb Point L. H. ...	0.05	0.04	20	2	4.80
Ballast Ground ...	1.51	1.51	17	1	...
Quarantine Station ...	0.00	...	...	...	...
Spanish Town ...	0.10	0.10	19	1	5.77
Hog Hole Pen ...	0.26	0.26	20	1	6.79
Hartlands ...	0.00	...	...	...	...
Old Harbour ...	1.10	0.10	28	1	5.78
May Pen ...	...	...	...	...	...
Hillside Estate ...	...	...	...	...	...
Amity Hall ...	0.08	0.08	5	1	...
Money Musk ...	...	...	...	...	...
Dunkley's, Vere ...	0.00	...	...	...	4.50
Dry River " ...	0.01	0.01	30	1	...
Caswell Hill " ...	0.00	...	...	...	...
Denbigh ...	2.05	2.05	20	1	7.61
Toll Gate ...	0.00	...	...	...	...
Woodleigh ...	1.60	1.60	24	1	...
New Yarmouth ...	0.00	...	...	...	4.86
Exeter, Vere ...	...	...	...	...	...
Rhymesbury ...	0.02	0.02	24	1	5.89
Milk River ...	...	...	...	...	...
Clarendon Pk. Ry. St. ...	1.16	0.74	20	3	...
Victoria Town ...	0.25	0.13	24	2	9.18
Stone's Hope ...	0.39	0.20	24	2	9.30
Newport, Manchester ...	0.62	0.58	20	2	8.37
Great Valley, Man. ...	0.05	0.05	24	1	6.99
Alligator Pond ...	0.00	...	...	...	5.86
Lititz ...	0.20	0.20	24	1	...
Long Hill ...	0.94	0.42	15	6	10.24
Unity, Malvern ...	...	...	...	...	...
Bethlehem, St. Eliz. ...	0.55	0.18	26	5	7.64
Torrington ...	...	...	...	...	...
Pedro Plains ...	0.19	0.19	17	1	4.12
Black River ...	2.89	2.22	19	9	7.42
Font Hill ...	2.90	1.10	19	7	8.84
Mount Edgecombe ...	6.26	2.57	19	16	8.23
Bluefields ...	10.88	2.15	29	19	...
Sweet River ...	5.99	1.80	19	13	9.81
Windsor, Sav.-la-mar ...	7.33	2.20	30	14	9.46
Orchard, Sav.-la-mar ...	8.07	2.11	28	15	...
Sav.-la-mar ...	4.79	1.81	30	12	9.29
Retreat ...	10.68	3.40	19	12	9.09
White Hall ...	9.66	2.07	2	20	...
Negril Point L.H. ...	8.12	1.78	24	17	5.88
Negril Pol. Sta. ...	9.30	1.55	31	20	...
Means ...	2.29	...	...	...	...

NOTES.

COMPARATIVE TABLE OF RAINFALL.

(Based upon the "Average" Stations only.)

	May.	
	1912.	Average.
	In.	In.
North-Eastern Division ...	3.76	10.82
Northern ...	2.86	7.07
West-Central ...	9.49	12.49
Southern ...	2.29	6.94
The Island ...	4.60	9.33

The heaviest rainfall 20.60 inches was recorded at Darliston in the west central division. Many places in the southern division had no rainfall

Rainfall at Grand Cayman. April, 1912.	Total Fall.	Greatest fall. Amount.	Greatest fall. Date.	No. of days on which 0.01 or more fell.
East End ...	1.26	0.44	25	6
Bodden Town ...	0.95	0.50	26	4
George Town ...	1.25	0.35	7	11

SHOCKS OF EARTHQUAKE IN MAY, 1912.

Date.	Mean time. hr.	Mean time. min.	Intensity.	Notes: where felt, etc.
15th	4	10 a.m.	I	Windsor Pen, double shock; Mt. Edgecombe Bluefields and Petersville.
16th	1	15 a.m.	I	Lititz, St. Eliz., N. & S., also Albion and Mt. Holstein
16th	1	30 a.m.	II	Chapelton and Falmouth double shock.
,,	,,	,,	II	Christiana, Black River and Maggotty duration 2 secs.
,,	,,	,,	III	Siloah and Windsor Pen (Trely) duration 6 secs.
,,	,,	,,	I	Bluefields and Petersville
18th	,,	,,	I	Mt. Holstein N. 006.

MAGNETIC VARIATION. The variation of the compass at the Kempshot Observatory in May was 2° 30′ E.

MILES OF WIND PER DIEM REGISTERED AT THE PLUMB POINT LIGHT HOUSE.

1912.	Mean.	Greatest.	Date.	Least.	Date.	Average direction (from) 7 a.m.	Average direction (from) 3 p.m.
May							

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WEATHER REPORT

FOR THE MONTH OF

JUNE. 1912.

The Bar-pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew, 32 gravity at Lat. 45°, and mean sea-level. The bar. at Hill Gardens is reduced to the first three standards only Thermometers are exposed in Stevenson's Screens; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the small instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower clouds are for the most part fracto-stratus: the Middle clouds, cumulus; and the Upper clouds, cirro-stratus.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure.		Temperature.					Extreme Temperature.				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range.
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House	8	29.988	29.977	81.0	83.4	85.1	77.1	8.0	86.2	21st	71.1	1st	12.1
Kingston	24	29.970	29.926	79.7	86.3	89.1	75.2	14.6	92.0	30th	72.1	19th	19.9
Kempshot	1,773	29.979	29.936	72.6	77.3	81.5	70.0	11.5	84.6	5th	66.2	14th	18.4
Negril Point Light House	33	29.970	29.937	79.5	83.9	87.4	73.4	14.0	90.5	17th	69.6	19th	20.9
Castleton Gardens	496	...	...	70.0	86.7	91.0	60.0	31.0	96.0	26th	56.0	27th	40.0
Hope Gardens†	668	29.966	29.899	77.4	88.2	90.7	71.6	19.1	94.0	18th	69.0	18th	25.0
Stony Hill Reformatory	1,400	...	...	72.7	83.1	85.7	68.3	17.4	92.0	26th	65.0	*2nd	27.0
Hill Gardens	4,907	25.317	25.285	64.5	66.4	71.2	57.7	13.5	75.0	30th	56.0	10th	19.0

STATIONS.	Elevation.	Dew Point and Humidity.				Rainfall.	Wind per diem.	Wind: (direction from and miles per hour.)				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°		°		in.	miles		m.		m.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House	8	74.2	79	75.4	77	1.20	310	SE	10.7	SE	12.0	5.0	2.4	.22	4.3	2.7	2.3
Kingston	24	70.3	73	72.1	76	0.08	312	ESE	7.0	SE	25.7	1.1	1.5	1.8	3.0	1.1	1.0
Kempshot	1,773	66.5	80	69.3	76	7.55	131	E	5.0	E	3.0	0.0	0.7	2.8	0.3	7.0	0.7
Negril Point Light House‡	33	70.8	74	73.1	70	1.84	248	E by N	7.9	SE by E	14.6	0.3	1.6	3.9	2.6	5.4	1.3
Castleton Gardens	496	68.0	93	72.6	64	1.71	...	...	...	...	...	...	...	...	...	...	...
Hope Gardens	668	65.5	68	68.2	59	0.09	...	...	...	...	...	...	...	...	...	...	...
Stony Hill Reformatory	1,400	68.5	86	77.1	82	2.11	...	...	...	...	...	...	...	...	...	...	...
Hill Gardens	4,907	58.5	78	61.2	84	1.59	...	...	...	...	...	...	...	...	...	...	...

* and on other days.

† Hope Gardens. Bar. read at 9 a.m. and 3 p.m.

‡ Negril Point Light House. Wind 11 p.m. E. 7.2

RAINFALL FOR JUNE, 1912.

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the date of this report; the last column contains the corresponding Rainfall average for the month, according to Weather Report, No. 256A. In obtaining the mean Rainfall for the month from the numbers in the column for the total fall, only those Stations are considered for which the average Rainfall has been also given in the last column, so that the results of these two columns are directly comparable for each division. These results are reproduced in the comparative table at the end of this Rainfall Return, so as to arrive at the mean for the whole Island, embracing the four divisions.

The Northern division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which form the Central sub-division; the Southern division comprises the southern shores from Holland Bay to South Negril; The North-Eastern and West-Central divisions are the remaining parts of the Island bounded by the sea and the other divisions.

NORTH-EASTERN DIVISION.	JUNE, 1912.				
	Total Fall.	Greatest fall in 24 hours. Amount	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Manchioneal ...	...	...	..	...	...
Spring Valley ...	5.59	1.55	9	14	...
Ecclesdown ...	9.67	2.14	9	15	...
Bath ...	8.46	1.06	3	14	13.29
Boston ...	3.28	1.00	9	4	16.35
Moore Town ...	4.23	...	...	...	25.57
Port Antonio ...	3.29	1.21	1	16	17.96
Fellowship ...	5.31	0.90	2	16	22.43
Windsor, Portland ...	...	...	..	...	...
Johnson River Bridge ...	6.69	1.25	1	18	19.17
Fruitfull Vale ...	3.33	0.80	1	13	...
Cedar Valley, St. Thos. ...	5.04	1.81	9	14	19.90
Moy Hall, St. Thos. ...	5.00	0.65	23	12	13.82
Lennox ...	1.72	0.70	21	6	...
Hill Gardens ...	1.59	0.68	21	5	8.11
Buff Bay ...	1.02	0.38	21	6	7.50
Vinery ...	0.37	0.37	14	1	...
Windsor Castle, Port. ...	1.41	0.45	21	6	...
Greenvale, Portland ...	2.35	1.67	14	9	..
Mt. Holstein ...	1.52	0.50	25	11	8.16
Irish Town ...	...	...	...	...	...
Hardware Gap ...	...	...	...	...	...
Stony Hill Reform. ...	2.11	1.53	18	9	7.47
Castleton Gardens ...	1.71	0.54	10	11	9.93
Lawrence Tavern ...	...	...	...	...	...
Carew Castle ...	1.84	1.17	18	4	10.47
Agualta Vale ...	0.10	0.10	13	1	...
Water Valley ...	0.79	0.69	14	2	6.01
Albany, Ry. Station ...	0.48	0.40	14	2	...
Platfield ...	2.49	0.96	1	8	...
Richmond, St. Mary ...	2.33	1.84	14	7	5.93
Hampstead, St. Mary ...	0.85	0.62	14	3	...
Kendal, St. Mary ...	1.81	0.64	3	6	...
Gayle ...	1.61	0.25	14	5	7.63
Rio Hoe ...	6.49	2.39	1	10	9.11
Unity Valley ...	1.76	0.69	1	8	8.56
Moneague ...	3.81	1.40	24	5	8.34
Union Hill ...	...	...	...	...	...
Claremont ...	1.17	0.42	3	6	6.43
Albion, St. Ann ...	2.03	0.70	25	6	6.97
Averham Park ...	0.73	0.20	3	7	6.31
Means ...	3.12	..	...	...	...

NORTHERN DIVISION.	JUNE, 1912.				
	Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Port Maria ...	1.17	0.46	27	6	5.53
Ocho Rios ...	2.80	1.40	4	5	5.20
Boguc, Ocho Rios ...	1.72	0.25	28	5	...
Arthurs Seat ...	...	...	...	...	...
Drax Hall ...	1.18	0.55	14	5	5.16
Liberty Hill ...	0.95	0.62	4	3	...
St. Ann's Bay ...	2.15	0.87	4	7	4.30
Seville ...	1.55	0.89	4	6	4.90
Richmond Estate ...	0.63	0.30	4	3	5.04
Llandovery ...	1.22	0.48	13	5	4.53
Southfield, St. Ann ...	...	...	...	...	...
Ballintoy ...	...	...	...	...	...
Brown's Town ...	2.24	1.20	13	3	4.74
Hyde Park ...	...	...	...	...	...
Dry Harbour ...	0.54	0.20	13	5	4.42
Chewmagna, St. Ann ...	1.03	0.62	2	4	7.92
Home Castle ...	0.65	0.35	13	2	4.48
Richmond Pen ...	...	...	...	..	...
Mahogany Hall ...	1.51	0.57	24	8	6.02
Barnstaple ...	1.08	0.50	1	6	...
Brampton Bryan ...	0.51	0.32	7	4	3.71
Bryan Castle ...	0.45	0.20	14	4	3.63
Braco ...	0.35	0.15	14	4	3.26
Arcadia ...	...	...	...	...	...
Lancaster ...	0.19	0.12	14	3	3.54
Harmony Hall ...	0.42	0.20	19	4	3.03
Vale Royal ...	...	...	...	...	...
Colchis Pen ...	...	...	...	...	...
Swanswick ...	2.68	1.35	19	5	...
Hyde ...	...	...	...	...	...
Georgia ...	1.41	0.53	1	5	3.92
Long Pond ...	2.60	0.80	19	6	5.11
Hyde Hall ...	2.63	1.50	1	6	5.24
Steelfield ...	...	...	...	...	...
Etingdon ...	2.05	0.73	1	6	4.54
Oxford ...	...	...	...	...	...
Cambridge ...	...	...	...	...	...
Lottery ...	1.85	0.75	14	4	4.14
Falmouth ...	...	...	...	...	...
Florence Hall ...	1.60	0.67	13	3	...
Holland Pen ...	...	...	...	...	...
Orange Valley ...	...	...	...	...	...
Kent ...	1.15	0.30	2	5	3.73
Gales Valley ...	3.60	0.87	11	6	6.78
Canaan ...	...	...	...	...	...
Content ...	1.35	0.90	10	3	4.81
Bellfield ...	..	...	...	...	...
Hampden ...	...	...	...	...	...
Moor Park ...	...	...	...	...	...
Success ...	0.90	0.30	14	4	2.92
Guilsbro ...	...	...	...	...	...
Cinnamon Hill ...	0.50	0.30	9	3	3.47
Rose Hall ...	0.67	0.25	9	4	3.30
Running Gut ...	1.63	1.35	24	2	7.69
Spring ...	1.50	1.50	24	1	...
Montego Bay ...	3.65	1.15	24	9	7.19
Catherine Hall ...	3.77	1.21	24	12	7.30
King Gate ...	3.00	0.96	1	9	9.92
Round Hill ...	6.60	1.68	1	12	6.35
Sandy Bay ...	7.32	1.60	28	13	7.56
Haughton Court ...	...	...	...	...	...
Lucea ...	6.92	1.70	14	18	8.76
Westfield ...	...	...	...	...	...

CENTRAL SUB-DIVISION.	JUNE, 1912. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Rio Magno ...	3.64	1.13	3	11	...
Headworks, Rio Cobre ...	0.06	0.06	18	1	6.16
Linstead ...	0.84	0.30	18	4	8.59
Berkshire Hall ...	3.41	1.10	25	11	...
Point Hill ...	0.51	0.27	21	3	11.26
Brown's Hall ...	0.31	0.31	9	1	12.60
Worthy Park ...	2.24	0.80	1	7	7.19
Crofts Hill ...	0.81	0.36	9	5	...
Chapelton ...	2.45	2.05	10	5	7.56
Mears ...	...	...	...	...	...
Danks Works ...	1.98	1.12	9	4	8.05
Savoy House ...	2.00	1.14	9	7	9.18
Trout Hall ...	5.27	1.88	18	9	...
Cave Valley ...	1.84	0.70	29	...	7.80
Greenock ...	1.75	0.75	29	...	...
Means ...	1.86	...	...	...	...
WEST-CENTRAL DIVISION.					
Whitney ...	0.65	0.30	6	5	...
Mocho, Clarendon ...	...	...	...	...	
Baillieston ...	3.39	1.25	9	8	10.06
Brokenhurst ...	5.10	3.10	9	6	13.68
Christiana ...	1.02	0.62	9	3	8.15
Chudleigh ...	0.65	0.29	9	5	...
Shooter's Hill ...	1.96	1.10	28	7	...
Spitzbergen ...	2.04	0.65	18	8	...
Kendal, Manchester ...	1.79	0.90	28	9	10.21
Marshalls Pen ...	3.96	1.35	9	6	8.39
Mandeville ...	3.62	2.00	9	7	10.07
Carlton, Mandeville ...	2.65	0.90	9	9	...
Berry Hill ...	2.90	1.86	9	7	...
Fairfield, Manchester ...	1.01	0.45	9	6	9.08
Ulster Spring ...	2.18	0.85	20	7	5.59
Albert Town ...	0.96	0.50	19	4	...
Low River ...	0.60	0.60	8	1	...
Troy ...	3.10	2.00	20	2	7.77
Pepper ...	...	...	...	...	...
Fontabelle, Trel. ...	...	...	...	...	...
Windsor Pen, Trel. ...	1.68	0.70	20	8	9.45
Wallingford ...	0.93	0.51	21	4	...
Balaclava Police Station ...	0.93	0.60	18	2	4.98
Siloah ...	2.44	0.80	19	6	...
Santa Cruz ...	2.23	2.23	23	1	6.06
Appleton Estate ...	2.92	1.46	18	7	7.20
Maggotty ...	2.55	1.35	18	8	6.35
Spring Vale ...	9.19	1.68	18	14	11.31
Ipswich, Ry. St. ...	6.27	3.09	18	8	...
Springfield, St. Eliz. ...	...	...	...	...	...
Catadupa Rly. Station ...	7.29	1.43	20	11	...
Kempshot ...	7.55	1.54	24	15	9.29
Hazelymph ...	6.27	1.45	19	13	9.74
Kew Park ...	3.67	0.94	22	16	9.56
Copse ...	...	...	...	...	...
Ramble ...	...	...	...	...	...
Petersville ...	2.19	1.07	18	5	8.54
Darliston ...	12.83	2.18	22	15	10.38
Whithorn ...	7.10	1.55	18	13	9.58
Great Valley, Han. ...	...	...	...	...	...
Brownsville ...	...	...	...	...	...
Fort William ...	...	...	...	...	...
George's Plain ...	...	...	...	...	...
Fontabelle, Westm. ...	...	...	...	...	...
Belleisle ...	2.77	1.27	2	8	10.47
Morgan's Bridge ...	6.25	1.22	20	10	10.61
Glasgow Estate ...	...	...	...	...	...
King's Vale Police St. ...	5.47	1.00	1	12	11.37
Means ...	3.68	...	...	...	...

SOUTHERN DIVISION.	JUNE, 1912 Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Morant Point L. H. ...	1.20	0.35	2	11	7.12
East Prospect ...	2.08	0.76	1	15	...
Morant Bay ...	2.14	0.31	22	13	10.19
Easington ...	2.59	0.55	22	13	10.28
Bull Bay ...	...	...	...	...	...
Bellevue ...	2.12	1.22	8	6	...
Gordon Town ...	...	...	...	...	...
Hope Gardens ...	0.09	0.05	22	3	5.55
King's House Gardens ...	0.54	0.42	19	3	5.16
Halfway Tree ...	0.00	...	...	...	4.58
Lunatic Asylum ...	0.15	0.13	22	2	5.90
Kingston S. Camp Road ...	0.12	0.12	22	1	...
" Parade Gard. ...	0.15	...	...	1	...
" P. W. Office ...	0.08	0.08	23	1	4.38
Plumb Point L. H. ...	0.17	0.07	22	5	4.65
Ballast Ground ...	...	...	...	...	...
Quarantine Station ...	0.12	0.12	22	1	...
Spanish Town ...	0.01	0.01	9	1	5.24
Hog Hole Pen ...	0.00	...	...	...	5.81
Hartlands ...	0.00	...	...	...	...
Belmont, St. Catherine ...	0.11	0.06	10	3	...
Old Harbour ...	0.10	0.10	27	1	7.68
May Pen ...	0.28	0.18	4	3	7.66
Hillside Estate ...	...	...	...	...	...
Amity Hall ...	0.51	0.12	10	6	...
Money Musk ...	...	...	...	...	...
Dunkley's, Vere ...	0.63	0.18	7	5	11.05
Dry River " ...	0.55	0.22	7	7	...
Caswell Hill " ...	0.30	0.20	7	2	...
Denbigh ...	0.00	...	...	...	6.01
Toll Gate ...	0.75	0.31	9	4	...
Woodleigh ...	0.00	...	...	...	...
New Yarmouth ...	0.43	0.18	5	4	7.16
Exeter, Vere ...	...	...	...	...	...
Rhymesbury ...	0.66	0.40	9	7	10.58
Springfield, Clarendon ...	...	...	...	...	...
Milk River ...	0.16	0.16	24	1	10.55
Clarendon Pk. Ry. St. ...	0.75	0.57	10	3	...
Victoria Town ...	0.86	0.50	9	2	8.63
Stone's Hope ...	2.87	2.28	9	6	10.18
Newport, Manchester ...	3.26	1.50	9	7	10.62
Great Valley, Man. ...	2.44	1.95	9	7	8.40
Alligator Pond ...	0.00	...	...	...	6.00
Lititz ...	0.40	0.40	9	1	...
Long Hill ...	0.13	0.11	18	3	5.96
Unity, Malvern ...	...	...	...	...	...
Bethlehem, St. Eliz. ...	0.30	0.24	18	2	5.26
Torrington ...	...	...	...	...	...
Pedro Plains ...	0.10	0.06	8	2	4.30
Black River ...	1.25	0.72	18	4	4.02
Font Hill ...	0.35	0.15	22	3	6.08
Mount Edgecombe ...	2.87	1.67	21	7	6.82
Bluefields ...	5.04	2.03	17	5	...
Sweet River ...	2.63	1.25	18	7	7.37
Windsor, Sav.-la-mar ...	4.12	1.51	2	8	6.72
Orchard, Sav.-la-mar ...	4.58	1.47	2	7	...
Sav.-la-mar ...	2.18	0.69	2	10	6.64
Retreat ...	1.72	1.01	22	5	7.95
White Hall ...	2.52	1.17	19	12	...
Negril Point L.H. ...	1.84	0.50	20	11	6.26
Negril Pol. Sta. ...	2.67	0.97	19	12	...
Means ...	1.06	...	...	...	...

NOTES.

COMPARATIVE TABLE OF RAINFALL.

(Based upon the "Average" Stations only.)

	June.	
	1912.	Average.
	In.	In.
North-Eastern Division ...	3.12	10.75
Northern ...	1.86	5.74
West-Central ...	3.68	9.48
Southern ...	1.06	6.93
The Island ...	2.43	8.22

The heaviest rainfall 13.83 inches was recorded at Darliston. Several places in the southern division had no rainfall.

Rainfall at Grand Cayman. May, 1912.	Total Fall.	Greatest fall. Amount.	Greatest fall. Date.	No. of days on which 0.01 or more fell.
East End ...	2.75	0.59	24	6
Bodden Town ...	2.29	1.00	19	6
George Town ...	2.97	1.00	19	12

SHOCKS OF EARTHQUAKE IN JUNE, 1912.

Date.	Mean time.	Intensity.	Notes: where felt, etc.
	hr. min.		
	No earthquakes this month.		

Corrigendum—W.R. No. 404. May, 1912, p. 2. Unity Valley, for 2.80, read 3.05, and for 7 rainy days read 8.

MAGNETIC VARIATION. The variation of the compass at the Kempshot Observatory in June was 2° 30′ E.

DIURNAL VARIATION OF MAGNETIC DECL.

Kempshot—June, 1912.

6 a.m.	2° 29′
7 „	30
8 „	31
9 „	31
10 „	30½
11 „	29½
Noon	27½
1 p.m.	26
2 „	25
3 „	24
4 „	24
5 „	25
6 „	2° 26

The Weather Office,
Halfway Tree P.O.

MAXWELL HALL,
Govt. Meteorologist.

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JAMAICA

WEATHER REPORT

FOR THE MONTH OF

JULY, 1912.

The Bar-pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew, 32 gravity at Lat. 45°, and mean sea-level. The bar. at Hill Gardens is reduced to the first three standards only Thermometers are exposed in Stevenson's Screens; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the small instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower clouds are for the most part fracto-stratus: the Middle clouds, cumulus; and the Upper clouds, cirro-stratus.

METEOROLOGICAL RESULTS.

Stations.	Elevation.	Bar. Pressure.		Temperature.					Extreme Temperature.				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House	8	29.999	29.976	81.3	84.4	86.3	76.2	10.1	87.5	12th	68.5	25th	19.0
Kingston	24	29.970	29.924	78.4	87.0	90.9	74.0	16.9	93.2	29th	72.7	24th	20.5
Kempshot	1,773	29.980	29.949	72.6	76.4	81.3	70.1	11.2	83.8	27th	68.2	17th*	15.6
Negril Point Light House	33	29.978	29.948	79.0	83.8	88.6	72.1	16.5	91.3	10th	69.3	1st	22.0
Castleton Gardens	496	...	...	69.4	86.5	91.8	59.1	32.7	96.0	23rd*	54.0	6th*	42.0
Hope Gardens†	668	29.997	29.891	76.2	87.2	90.9	71.1	19.8	94.0	11th*	69.0	5th*	25.0
Stony Hill Reformatory	1,400	...	...	71.8	83.1	86.4	67.9	18.5	92.0	19th	66.0	8th*	26.0
Hill Gardens	4,907	25.335	25.294	65.6	67.9	74.3	58.5	15.8	77.0	1st*	57.0	16th*	20.0

Stations.	Elevation.	Dew Point and Humidity.				Rainfall.	Wind per diem.	Wind: (direction from and miles per hour.)				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°		°		in.	miles		m.		m.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House	8	76.8	86	77.8	81	1.20	325	SE	8·3	SE	9.5	4.4	3.4	3.3	3.5	3.4	3.9
Kingston	24	68.9	72	72.7	75	0.02	244	NNE	4	SE	20.0	0.7	1.0	1.0	3.5	1.1	1.7
Kempshot	1,773	66.4	81	67.4	74	9.12	142	E	6.9	Var	4.5	1.3	0.4	3.2	1.3	5.0	1.2
Negril Point Light House‡	33	70.7	74	72.7	70	5.16	172	ENE	6.8	SE byE	10.2	0.6	0.6	4.2	4.4	4.3	0.3
Castleton Gardens	496	67.6	97	72.3	61	3.10	...	...	...	...	...	...	...	...	...	...	...
Hope Gardens	668	64.0	66	68.5	55	0.74	...	...	...	...	...	...	...	...	...	...	...
Stony Hill Reformatory	1,400	66.0	82	67.8	60	5.27	...	...	...	...	...	...	...	...	...	...	...
Hill Gardens	4,907	57.6	78	59.5	76	1.07	...	...	...	...	..	...	...	...	...	..	...

* and on other days.

† Hope Gardens. Bar. read at 9 a.m. and 3 p.m.

‡ Negril Point Light House. Wind 11 p.m. ENE 6.6

RAINFALL FOR JULY, 1912.

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the date of this report; the last column contains the corresponding Rainfall average for the month, according to Weather Report, No. 256A. In obtaining the mean Rainfall for the month from the numbers in the column for the total fall, only those Stations are considered for which the average Rainfall has been also given in the last column, so that the results of these two columns are directly comparable for each division. These results are reproduced in the comparative table at the end of this Rainfall Return, so as to arrive at the mean for the whole Island, embracing the four divisions.

The Northern division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which form the Central sub-division; the Southern division comprises the southern shores from Holland Bay to South Negril; The North-Eastern and West-Central divisions are the remaining parts of the Island bounded by the sea and the other divisions.

NORTH-EASTERN DIVISION.	JULY, 1912. Total Fall.	Greatest fall in 24 hours. Amount	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Manchioneal ...	...	...	...	...	...
Ecclesdown ...	7.27	1.15	23	12	...
Spring Valley ...	4.85	1.05	29	10	...
Bath ...	4.33	1.20	17	5	9.66
Boston ...	1.53	1.05	18	2	7.34
Moore Town ...	5.40	...	...	...	20.23
Port Antonio ...	5.58	1.06	17	13	11.60
Fellowship ...	5.72	0.87	18	16	16.64
Windsor, Portland ...	...	...	...	...	...
Johnson River Bridge ...	2.62	0.39	18	15	7.71
Cedar Valley, St. Thos. ...	1.43	0.50	18	8	4.85
Moy Hall, St. Thos. ...	1.47	0.48	19	6	5.53
Lennox ...	4.87	1.25	10	8	...
Hill Gardens ...	1.07	...	...	...	...
Buff Bay ...	3.13	1.11	17	10	7.37
Vinery ...	2.16	1.00	17	6	...
Windsor Castle, Port. ...	3.90	1.95	18	6	...
Greenvale, Portland ...	2.36	1.71	17	11	...
Mt. Holstein ...	3.56	1.98	25	10	3.35
Irish Town ...	...	...	...	...	...
Hardware Gap ...	...	...	...	...	...
Stony Hill Reform. ...	5.27	2.00	25	10	5.39
Castleton Gardens ...	3.10	...	...	...	...
Lawrence Tavern ...	...	...	...	...	...
Carew Castle ...	4.29	1.01	21	9	...
Agualta Vale ...	2.50	0.46	18	7	...
Water Valley ...	3.14	0.61	18	6	3.46
Albany, Ry. Station ...	3.70	1.10	21	7	...
Platfield ...	4.51	1.01	25	10	...
Richmond, St. Mary ...	3.94	1.47	17	8	3.68
Hampstead, St. Mary ...	4.31	1.12	17	8	...
Kendal, St. Mary ...	5.01	1.64	7	8	...
Gayle ...	4.40	1.84	31	8	2.92
Rio Hoe ...	3.50	1.70	7	8	4.29
Unity Valley ...	4.60	1.35	19	11	5.92
Moneague ...	3.77	1.10	19	8	4.73
Union Hill ...	...	...	...	...	...
Claremont ...	3.56	1.20	7	8	3.43
Albion, St. Ann ...	2.34	0.40	15	8	3.38
Averham Park ...	1.84	0.84	17	5	4.24
Means ..	3.64	..	...	...	...

NORTHERN DIVISION.	JULY, 1912. Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Port Maria ...	4.64	1.84	18	10	4.19
Ocho Rios ...	3.48	1.45	31	5	2.34
Bogue, Ocho Rios ...	2.23	0.70	31	6	...
Arthurs Seat ...	...	...	...	...	...
Drax Hall ...	5.45	3.40	17	6	2.96
Liberty Hill ...	2.17	0.90	17	5	...
St. Ann's Bay ...	4.96	3.00	17	10	2.96
Seville ...	6.47	3.00	17	9	2.31
Richmond Estate ...	4.57	2.50	3	7	2.24
Llandovery ...	6.00	3.65	17	5	2.08
Southfield, St. Ann ...	...	...	...	...	...
Ballintoy ...	...	...	...	...	...
Brown's Town ...	1.54	0.76	17	5	2.68
Hyde Park ...	...	...	...	...	...
Dry Harbour ...	2.90	1.50	17	4	1.81
Chewmagna, St. Ann ...	2.59	1.40	9	9	3.07
Home Castle ...	3.47	1.10	31	11	2.16
Richmond Pen ...	...	...	...	...	...
Mahogany Hall ...	3.48	0.57	25	6	4.35
Barnstaple ...	4.54	1.38	18	11	...
Brampton Bryan ...	3.92	1.10	17	7	2.18
Bryan Castle ...	2.90	0.91	17	7	1.81
Braco ...	2.25	0.80	18	5	1.69
Arcadia ...	3.87	1.10	25	8	2.00
Lancaster ...	2.01	1.18	...	4	1.99
Harmony Hall ...	2.09	0.90	17	8	1.56
Vale Royal ...	3.37	1.45	17	9	2.87
Colchis Pen ...	2.57	1.35	4	6	3.18
Swanswick ...	4.55	0.46	17	12	..
Hyde ...	...	...	...	...	...
Georgia ...	...	...	...	...	...
Long Pond ...	4.12	1.02	15	11	...
Hyde Hall ...	...	...	...	...	...
Steelfield ...	3.15	0.70	17	11	...
Etingdon ...	...	...	...	...	...
Oxford ...	...	...	...	...	...
Cambridge ...	...	...	...	...	...
Lottery ...	4.05	1.10	31	11	2.33
Falmouth ...	...	...	...	...	...
Florence Hall ...	1.92	0.95	31	6	...
Holland Pen ...	...	...	...	...	...
Orange Valley ...	...	...	...	...	...
Kent ...	2.10	0.80	31	7	...
Gales Valley ...	4.89	1.00	18	8	5.27
Canaan ...	...	...	...	...	...
Content ...	4.09	2.15	31	5	...
Bellfield ...	4.62	1.00	31	9	...
Hampden ...	...	...	...	...	...
Moor Park ...	3.60	1.93	31	6	...
Success ...	1.75	1.10	31	4	1.46
Guilsbro ...	...	...	...	...	...
Cinnamon Hill ...	1.96	1.31	31	5	1.31
Rose Hall ...	1.90	1.45	31	5	1.12
Running Gut ...	3.54	1.95	31	7	1.25
Spring ...	2.04	1.50	31	3	...
Montego Bay ...	6.45	1.65	31	8	3.41
Catherine Hall ...	5.28	1.25	7	8	4.08
King Gate ...	0.79	0.50	18	3	5.59
Round Hill ...	4.70	1.50	18	7	3.81
Sandy Bay ...	4.55	1.20	31	9	5.44
Haughton Court ...	...	...	...	...	...
Lucea ...	10.11	2.79	15	9	5.50
Green River ...	11.68	1.98	18	16	...
Westfield ...	...	...	...	...	...

CENTRAL SUB-DIVISION.	JULY, 1912. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Rio Magno ...	3.63	0.82	7	8	...
Headworks, Rio Cobre ...	1.73	0.72	17	4	3.70
Linstead ...	2.14	1.20	22	4	5.93
Berkshire Hall ...	2.83	0.85	15	10	...
Point Hill ...	2.84	0.95	13	11	6.57
Brown's Hall ...	3.25	1.60	13	6	4.66
Worthy Park ...	2.52	1.10	22	5	4.34
Crofts Hill ...	0.58	0.21	10	4	...
Chapelton ...	0.69	0.43	21	4	3.65
Mears ...	...	...	...	...	...
Danks Works ...	0.64	0.45	21	3	3.48
Savoy House ...	1.20	0.56	21	8	3.15
Trout Hall ...	2.61	1.58	3	4	...
Cave Valley ...	3.98	0.75	9	...	4.67
Greenock ...	3.80	0.70	9	...	...
Means ...	3.41	...	...	...	...
WEST-CENTRAL DIVISION.					
Whitney ...	4.00	1.90	17	10	...
Mocho, Clarendon ...	...	...	...	..	..
Baillieston ...	2.79	1.24	7	6	4.49
Brokenhurst ...	...	...	..	...	.
Christiana ...	2.53	0.62	24	9	4.37
Chudleigh ...	3.36	0.85	7	12	..
Shooter's Hill ...	4.63	1.46	3	14	..
Spitzbergen ...	5.22	1.48	24	13	...
Kendal, Manchester ...	3.22	0.90	3	11	5.45
Marshalls Pen ...	4.91	2.15	24	10	4.94
Mandeville ...	4.82	1.50	24	11	5.91
Carlton, Mandeville ...	3.18	1.50	24	11	...
Berry Hill ...	4.00	2.20	24	9	..
Fairfield, Manchester ...	3.05	1.43	24	10	3.05
Ulster Spring ...	8.99	2.00	27	12	4.45
Albert Town ...	7.74	1.66	25	11	...
Low River ...	2.63	0.95	14	8	..
Troy ...	8.95	3.65	7	3	7.11
Pepper ...	...	...	...	...	..
Fontabelle, Trel. ...	...	...	...	...	...
Windsor Pen, Trel. ...	8.87	2.10	18	15	6.65
Wallingford ...	4.42	2.06	17	8	...
Balaclava Police Station ...	3.67	1.64	17	5	4.71
Siloah ...	10.07	2.05	17	12	...
Santa Cruz ...	4.35	1.14	16	7	5.27
Appleton Estate ...	11.24	2.24	17	16	7.24
Maggotty ...	10.67	2.00	21	17	8.15
Spring Vale ...	10.79	1.50	6	11	8.33
Ipswich, Ry. St. ...	12.89	2.26	13	18	...
Springfield, St. Eliz. ...	...	...	...	...	...
Catadupa Rly. Station ...	13.10	3.00	25	17	...
Kempshot ...	9.12	2.37	25	16	6.21
Hazelymph ...	11.42	3.63	15	14	9.18
Kew Park ...	8.33	2.58	18	21	10.33
Copse ...	...	...	...	...	...
Ramble ...	...	...	...	...	...
Petersville ...	5.89	0.92	7	16	7.17
Darliston ...	10.81	1.86	26	22	11.87
Whithorn ...	5.50	1.50	18	14	10.73
Great Valley, Han. ...	...	...	...	...	...
Brownsville ...	..	...	...	...	...
Fort William ...	...	...	...	...	...
George's Plain ...	...	...	...	...	...
Fontabelle, Westm. ...	...	...	...	...	...
Belleisle ...	9.80	2.33	18	19	9.00
Morgan's Bridge ...	6.45	2.81	18	16	11.16
Glasgow Estate ...	...	...	...	...	...
King's Vale Police St. ...	14.58	2.02	22	18	10.74
Means ...	7.72	...	...	...	...

SOUTHERN DIVISION.	JULY, 1912. Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Morant Point L. H. ...	1.20	0.36	18	...	3.23
East Prospect ...	2.75	1.00	17	9	...
Morant Bay ...	1.47	0.50	18	6	5.80
Easington ...	1.50	0.56	18	10	6.22
Bull Bay ...	..	...	...	...	...
Bellevue ...	0.50	0.22	31	5	...
Gordon Town ...	...	...	...	...	...
Hope Gardens ...	...	...	...	...	...
King's House Gardens ...	0.93	0.54	17	4	2.84
Halfway Tree ...	..	...	...	...	..
Lunatic Asylum ...	0.02	0.02	16	1	1.51
Kingston S. Camp Road ...	0.10	0.09	16	2	..
" Parade Gard. ...	...	...	...	...	...
" P. W. Office ...	0.02	0.02	16	1	1.81
Plumb Point L. H. ...	0.00	...	..	...	1.94
Ballast Ground ...	0.00	...	...	...	...
Quarantine Station ...	0.00	...	...	...	...
Spanish Town ...	0.70	0.20	3	5	2.48
Hog Hole Pen ...	1.79	0.54	12	5	2.67
Hartlands ...	0.30	0.18	18	2	...
Belmont, St. Catherine ...	1.88	0.93	13	6	...
Old Harbour ...	0.14	0.10	15	2	2.57
May Pen ...	1.08	1.05	13	2	3.72
Hillside Estate ...	...	...	...	...	...
Amity Hall ...	...	...	..	...	...
Money Musk ...	...	...	...	...	...
Dunkley's, Vere ...	0.02	0.02	31	1	2.32
Dry River " ...	0.00	...	...	...	...
Caswell Hill " ...	...	...	...	...	...
Denbigh ...	0.00	...	...	.	2.99
Toll Gate ...	0.14	0.08	16	2	..
Woodicigh ...	0.00	...	...	...	...
New Yarmouth ...	0.00	...	...	...	2.42
Exeter, Vere ...	0.30	0.20	7	2	...
Rhymesbury ...	0.23	0.18	31	3	2.28
Springfield, Clarendon ...	...	...	..	...	...
Milk River ...	...	...	...	...	...
Clarendon Pk. Ry. St. ...	...	...	...	..	...
Victoria Town ...	0.00	..	...	...	2.61
Stone's Hope ...	1.09	0.41	13	6	4.30
Newport, Manchester ...	2.38	1.03	24	6	3.73
Great Valley, Man. ...	0.95	0.33	16	4	3.27
Alligator Pond ...	2.16	1.87	24	2	2.43
Lititz ...	2.90	2.40	24	4	...
Long Hill ...	2.88	1.17	24	8	3.52
Unity, Malvern ...	...	...	...	...	...
Bethlehem, St. Eliz. ...	1.96	1.01	24	7	3.04
Torrington ...	...	...	...	...	...
Pedro Plains ...	0.99	0.62	16	2	1.48
Black River ...	3.12	0.77	13	11	4.82
Font Hill ...	5.80	1.45	27	12	5.73
Mount Edgecombe ...	5.05	1.68	13	14	6.93
Bluefields ...	12.52	2.59	13	17	...
Sweet River ...	6.17	1.50	26	12	7.52
Windsor, Sav.-la-mar ...	6.67	1.55	3	15	6.91
Orchard, Sav.-la-mar ...	7.60	1.22	26	16	...
Sav.-la-mar ...	2.97	0.97	3	14	5.84
Retreat ...	9.05	1.99	27	11	7.65
White Hall ...	4.78	1.10	18	11	...
Negril Point L.H. ...	5.16	1.27	15	12	5.90
Negril Pol. Sta. ...	5.31	1.27	22	11	...
Means ...	2.44	...	...	...	...

NOTES.

COMPARATIVE TABLE OF RAINFALL.

(Based upon the "Average" Stations only.)

—	July.	
	1912.	Average.
	In.	In.
North-Eastern Division ...	3.64	6.28
Northern ...	3.41	3.21
West-Central ...	7.72	7.85
Southern ...	2.44	3.59
The Island ...	4.30	5.23

The heaviest rainfall 14.58 inches was recorded at the King's Vale Police Station. No rain fell at many places on the southern side of the Island.

Rainfall at Grand Cayman. June, 1912.	Total Fall.	Greatest fall. Amount.	Greatest fall. Date.	No. of days on which 0.01 or more fell.
East End ...	4.82	0.98	3	9
Bodden Town ...	3.98	1.00	2	12
George Town ...	..	..	.	..

SHOCKS OF EARTHQUAKE IN JULY, 1912.

Date.	Mean time.	Intensity.	Notes: where felt, etc.
	hr. min.		
No earthquakes this month.			

MAGNETIC VARIATION. The variation of the compass at the Kempshot Observatory in July was 2° 28′ E.

The Weather Office,
Halfway Tree P.O.

MAXWELL HALL,
Govt. Meteorologist.

THE FLOW OF THE WATER IN THE MILK RIVER AND THE RAINFALL.

The flow of water at the dam of the Vere Irrigation works at St. Jago in Clarendon is measured in thousands of cubic yards per hour; thus the figures 8.2 and 0.6 mean that 8,200 and 600 cubic yards respectively were flowing per hour at the stated times.

Between Jan. 1906 and Aug. 1910, the flow was recorded only on the last day of each month, and nothing could be done to compare this flow with the adjacent rainfall; but when Mr. H. Upton took charge of the works, at my request the flow was registered daily, and the mean flow for the whole river for each month from Sept. 1910 onwards has thus been obtained.

The Milk River rises at Redbury near Porus, but the river is chiefly supplied with water which has come underground from distant sources. At St. Toolies a large spring fills a lake which overflows into the Milk River: at Berrydale near Porus there is another but smaller spring; and no doubt there are others. Opinions differ as to where the water in these springs come from; of course the Whitney River, which sinks near the works, claims our first attention; and it is possible that the Whitney River comes to the surface again at Berrydale about two miles from the sink. But the spring at St. Toolies is said to have no connection with Whitney, and that the water comes either from the Manchester hills or from the Cave Valley district.

This necessitates the comparison of the flow of the Milk River with the rainfall over a large area.

The following table gives the monthly rainfall to the nearest inch at several places arranged in three groups according to distance from the head of the Milk River.

Year and Month.	Flow of the Milk River.	Whitney.	Mocho.	Shooters Hill	Kendal.	Mandeville.	Brokenhurst.	Cave Valley.	Bailliston.	Christiana.	Chudleigh.	Spitzbergen.	Marshalls Pen.	Lowe River.	Troy.	Wallingford.	Balaclava.
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
1910—																	
September	8.2	16	9	12	10	8	13	11	7	11	9	11	9	11	9	13	12
October	19.0	27	21	18	19	18	26	22	16	15	12	17	13	17	16	12	9
November	9.8	5	4	6	5	5	8	8	6	7	..	6	4	6	14	7	8
December	8.2	1	3	1	1	2	1	7	6	9	5	2	1	9	11	5	4
1911—																	
January	6.6	5	..	1	2	4	2	1	1	2	2	2	4	3	3	3	2
February	5.3	0	..	1	1	1	1	3	1	0	1	0	2	2	0	3	2
March	4.2	4	4	6	6	6	5	1	6	8	11	8	7	4	3	8	6
April	3.3	6	3	5	4	6	6	2	2	5	7	5	5	3	9	11	10
May	4.2	10	13	9	7	9	12	14	12	14	12	13	10	12	12	13	8
June	3.5	3	..	4	4	4	2	4	1	2	2	2	4	1	0	1	1
July	2.7	7	4	6	6	3	3	3	3	4	2	3	2	4	1	3	3
August	2.4	4	2	6	5	5	3	6	8	8	4	5	4	4	14	8	8
September	2.2	5	5	8	9	7	2	6	8	8	11	8	7	10	21	20	10
October	2.6	9	12	12	13	13	7	11	7	8	16	13	14	14	25	15	12
November	3.3	10	8	5	6	9	17	7	2	2	2	3	..	1	0	3	2
December	2.0	1	2	2	2	3	4	4	4	4	3	3	1	7	2	1	1
1912—																	
January	1.2	2	2	2	1	1	3	2	1	1	1	2	1	3	3	2	2
February	0.8	2	1	1	1	2	1	1	1	1	1	1	1	3	2	2	2
March	0.6	5	..	3	3	9	13	..	5	8	8	5	6	7	9	7	6
April	0.2	3	1	2	2	1	3	1	2	1	1	2	3	2	4	3	2
May	0.0	2	..	2	2	1	1	3	3	4	2	2	1	4	13	6	4
June	0.0	1	..	2	2	4	5	2	3	1	1	2	4	1	3	1	1

It will be noticed that the flow in the Milk River continually diminished from October, 1910, to May, 1912, with the exception of May and of October and November, 1911; the rains in May and October, 1911, were so uniformly distributed that no discrimination can be made among the stations; but in November that year the rainfall in only the first group of stations, from Whitneyto Brokenhurst, seems to have affected the flow.

At the first glance it might appear that the rainfall at the stations in the third group, from Lowe River to Balaclava, during September and October might have caused the rise in the flow during October and November; but if this were so, then the rainfall in that group during April and May should have caused a rise in the flow during May and June; but there was no such rise in June; on the contrary the fall re-commenced.

Among the stations in the first group, Shooters Hill and Kendal hardly contributed to the flow in May and November, and may be omitted; the flow in November was apparently due to the heavy fall at Brokenhurst; and we are left with the four stations Whitney, Mocho, Mandeville, and Brokenhurst, whose rainfall apparently affects the flow of the Milk River.

Taking the average of the rainfall at these four stations it is surprising to see what a heavy rainfall is required to increase the flow when small; in April when the flow was about 3, it required 11 inches of rain to raise it to 4; in October when the flow was about 2, it required 10 inches of rain to raise it to 2½, and another 11 inches the following month to raise it to 3; and in March 1912, when the flow was dying out, a fall of 7 inches had no effect at all.

This is no doubt due to the innumerable small subterranean cavities, which must first be filled up before the water can flow along its course; and again, unless the rainfall is sufficient to compensate for the continual leakage of these cavities, the flow must continually diminish, and more and more rain will be required to re-establish it.

It thus appears that when the river is low and decreasing, any rainfall under 10 inches has little or no effect on the flow; indeed the decreasing flow may be computed regardless of any small current rainfall; thus the decreasing flow during any month is equal to the flow during the preceding month less half the square root of that flow.

In October, 1910, the river was flooded with surface water and overflowed its banks, so we cannot compute for November and must commence with December, 1910:—

Year and Month.	Flow in the Milk River.		Average rainfall at the four Stations.
	Observed.	Computed.	
			in.
1910—			
September	8.2	..	12
October	19.0	..	23
November	9.8	..	6
December	8.2	8.2	2
1911—			
January	6.6	6.8	3
February	5.3	5.3	1
March	4.2	4.1	5
April	3.3	3.2	5
May	4.2	..	11
June	3.5	3.2	3
July	2.7	2.5	4
August	2.4	1.9	4
September	2.2	1.6	5
October	2.6	..	10
November	3.3	..	11
December	2.0	2.4	2
1912—			
January	1.2	1.3	2
February	0.8	0.6	2
March	0.6	0.4	7
April	0.2	0.2	2
May	0.0	0.0	1 or 2
June	0.0	0.0	3

The total rainfall for the four stations for the year 1911, was about 64 inches; this was about 18 inches below the average; and it was insufficient to maintain the flow.

We have now to wait until the flow rises again to its normal, and beyond, when further facts will probably present themselves.

MAXWELL HALL.

July 25th, 1912.

No. 407.

JAMAICA

WEATHER REPORT

FOR THE MONTH OF

AUGUST, 1912.

The Bar-pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew, 32 gravity at Lat. 45°, and mean sea-level. The bar. at Hill Gardens is reduced to the first three standards only. Thermometers are exposed in Stevenson's Screens; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the small instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower clouds are for the most part fracto-stratus: the Middle clouds, cumulus; and the Upper clouds, cirro-stratus.

METEOROLOGICAL RESULTS.

Stations.	Elevation.	Bar. Pressure.		Temperature.					Extreme Temperature.				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range.
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House	8	29.981	29.950	81.6	83.8	85.6	75.1	10.5	87.2	26th*	68.5	30th	18.7
Kingston	24	29.953	29.903	77.9	85.3	90.7	74.0	16.7	95.0	5th	70.9	13th	24.1
Kempshot	1,773	29.969	29.926	72.2	77.9	81.3	69.8	11.5	83.3	31st	66.8	4th	17.5
Negril Point Light House	33	29.959	29.926	78.1	83.4	88.2	72.2	16.0	90.7	5th	69.6	25th	21.1
Castleton Gardens	496	...	...	74.0	80.6	91.2	59.9	31.3	96.0	4th*	56.0	15th	40.0
Hope Gardens†	668	29.954	29.886	75.5	84.3	85.9	70.8	15.1	94.0	4th	69.0	14th*	25.0
Stony Hill Reformatory	1,400	...	...	71.6	81.7	85.4	67.5	19.9	91.0	4th*	65.0	15th*	26.0
Hill Gardens	4,907	25.307	25.267	65.0	67.4	73.6	58.2	15.4	78.0	1st	56.0	16th*	22.0

Stations.	Elevation.	Dew Point and Humidity.				Rainfall.	Wind per diem.	Wind: (direction from and miles per hour.)				Amount of Cloud, Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°		°		in.	miles		m.		m.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House	8	75.3	80	76.2	85	3.22	414	E	8·0	E	8.3	4.3	3.0	2.7	4.0	3.0	2.9
Kingston	24	69.1	74	72.3	65	1.13	248	NNE	4.8	SE	18.3	0.6	0.7	2.1	3.1	2.0	2.2
Kempshot	1,773	69.3	84	69.1	74	7.97	147	E	5.9	E	4.1	1.6	0.6	2.0	4.4	1.4	2.0
Negril Point Light House‡	33	70.6	78	72.8	70	4.46	182	ENE	7.4	ESE	9.2	0.5	0.3	4.7	4.2	4.4	0.5
Castleton Gardens	496	64.8	74	73.4	79	7.25	...	...	...	...	...	...	...	...	...	...	..
Hope Gardens	668	611	67.6	67.8	58	5.39	..	...	...	...	...	...	...	...	...	...	..
Stony Hill Reformatory	1,400	67.2	86	70.0	67	8.69	...	...	...	...	...	...	...	..	...	.	
Hill Gardens	4,907	57.7	78.1	60.7	81.2	5.18	...	...	...	...	...		.	..	...	.	..

* and on other days.

† Hope Gardens. Bar. read at 9 a.m. and 3 p.m.

‡ Negril Point Light House. Wind 11 p.m. ENE 6.6.

RAINFALL FOR AUGUST, 1912.

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the date of this report; the last column contains the corresponding Rainfall average for the month, according to Weather Report, No. 256A. In obtaining the mean Rainfall for the month from the numbers in the column for the total fall, only those Stations are considered for which the average Rainfall has been also given in the last column, so that the results of these two columns are directly comparable for each division. These results are reproduced in the comparative table at the end of this Rainfall Return, so as to arrive at the mean for the whole Island, embracing the four divisions.

The Northern division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which form the Central sub-division; the Southern division comprises the southern shores from Holland Bay to South Negril; The North-Eastern and West-Central divisions are the remaining parts of the Island bounded by the sea and the other divisions.

NORTH-EASTERN DIVISION.	AUGUST, 1912.				
	Total Fall.	Greatest fall in 24 hours. Amount	Date.	Days on which 0.01or more fell.	Average.
	In.	In.			In.
Manchioneal ...	3.63	1.30	30	10	7.17
Ecclesdown ...	10.22	2.40	31	11	...
Spring Valley .	7.68	2.05	30	12	...
Bath ...	8.02	1.75	17	11	10.01
Boston ...	5.22	3.02	30	3	...
Moore Town ...	13.16	...	...	...	15.54
Port Antonio ...	13.24	5.53	30	13	10.76
Fellowship ...	11.36	4.83	30	17	14.28
Windsor, Portland ...	...	...	...	...	...
Johnson River Bridge ...	5.50	1.02	18	18	10.02
Fruitful Vale ...	11.36	4.83	30	17	...
Cedar Valley, St. Thos. ...	6.70	4.15	30	7	9.76
Moy Hall, St. Thos. ...	7.22	4.90	31	7	7.96
Lennox ...	12.83	6.75	30	12	...
Hill Gardens ...	...	...	...	...	...
Buff Bay ...	7.71	3.45	30	9	5.70
Vinery ...	4.02	1.85	30	5	...
Windsor Castle, Port. ...	9.47	4.95	30	6	...
Greenvale, Portland ...	4.48	2.15	30	13	...
Mt. Holstein ...	5.83	2.50	15	12	6.69
Irish Town ..	6.52	2.00	30	7	...
Hardware Gap ..	6.00	...	...	...	6.73
Stony Hill Reform. ..	8.69	1.80	28	20	9.44
Castleton Gardens ...	...	...	...	...	...
Lawrence Tavern ...	6.55	1.15	30	13	8.58
Carew Castle ..	9.15	1.64	14	13	10.50
Agualta Vale ...	2.95	1.30	30	6	...
Water Valley ...	3.78	1.05	18	8	4.40
Albany, Ry. Station ...	2.50	0.80	30	7	...
Platfield ...	5.59	2.12	22	11	...
Richmond, St. Mary ...	2.44	0.70	30	11	4.97
Hampstead, St. Mary ...	2.07	0.95	18	6	...
Kendal, St. Mary ...	6.10	1.70	30	8	...
Gayle ...	2.40	0.96	22	6	4.76
Rio Hoe ...	3.66	0.78	30	9	6.27
Unity Valley ...	7.61	1.66	18	19	6.49
Moneague ...	5.89	1.75	16	13	6.03
Union Hill ...	...	...	...	...	...
Claremont ...	7.19	1.56	16	11	5.53
Albion, St. Ann ...	6.72	1.23	15	16	6.10
Averham Park ...	4.78	1.10	30	10	4.86
Means ..	6.84	..	...	...	...

NORTHERN DIVISION.	AUGUST, 1912.				
	Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Port Maria ...	4.58	2.63	18	8	4.72
Ocho Rios ...	3.05	0.85	30	5	2.72
Bogue, Ocho Rios ...	...	...	...	...	...
Arthurs Seat ...	...	...	...	...	...
Drax Hall ...	4.38	1.10	5	10	3.59
Liberty Hill ...	3.23	0.64	23	9	...
St. Ann's Bay ...	3.81	0.70	5	16	2.65
Seville ...	3.48	0.70	5	11	3.55
Richmond Estate ...	1.90	0.44	11	6	3.36
Llandovery ...	1.69	0.40	5	7	2.86
Southfield, St. Ann ...	...	...	...	...	...
Brown's Town ...	4.73	1.33	17	8	2.98
Hyde Park ...	...	...	...	...	...
Dry Harbour ...	1.50	0.40	5	7	2.74
Chewmagna, St. Ann ...	6.40	1.65	5	9	5.24
Home Castle ...	4.60	2.20	26	8	3.61
Richmond Pen ...	...	...	...	...	...
Mahogany Hall ...	9.38	2.57	9	11	5.85
Barnstaple ...	4.75	0.86	19	11	...
Brampton Bryan ...	2.96	0.84	18	8	3.36
Bryan Castle ...	2.24	0.65	18	7	2.88
Braco ...	1.85	0.60	18	7	2.89
Arcadia ...	1.82	0.76	18	7	3.54
Lancaster ...	1.94	0.57	18	8	3.21
Harmony Hall ...	1.38	0.65	18	7	2.57
Vale Royal ...	2.68	1.32	18	7	4.54
Colchis Pen ...	4.12	1.07	11	9	5.32
Swanswick ...	3.68	0.95	18	9	.
Hyde ...	...	...	...	...	...
Georgia ...	2.24	0.80	18	...	...
Long Pond ...	2.73	0.71	12	8	3.59
Hyde Hall ...	2.30	0.31	18	8	...
Steelfield ...	2.49	0.85	12	9	3.63
Etingdon ...	1.57	0.45	18	7	...
Oxford ...	...	...	...	...	...
Cambridge ...	13.98	3.00	29	24	...
Lottery ...	2.20	0.70	17	5	3.56
Falmouth ...	...	...	...	...	...
Florence Hall ...	1.52	0.55	17	5	...
Holland Pen ...	...	...	...	...	...
Orange Valley ...	...	...	...	...	...
Kent ...	2.35	1.22	18	3	3.04
Gales Valley ...	2.87	1.25	23	7	5.27
Canaan ...	...	...	...	...	...
Content ...	...	...	...	...	...
Bellfield ...	3.24	1.65	23	3	...
Hampden ...	...	...	...	...	...
Moor Park ...	3.44	1.30	3	6	...
Success ...	3.05	2.20	18	5	2.12
Guilsbro ...	...	...	...	...	...
Cinnamon Hill ...	3.27	2.31	18	5	2.18
Rose Hall ...	2.90	2.20	18	5	1.91
Running Gut ...	3.54	2.46	18	5	2.59
Spring ...	3.64	2.86	18	5	...
Montego Bay ...	5.35	1.78	16	9	5.63
Catherine Hall ...	4.84	1.89	16	7	6.08
King Gate ...	4.22	0.65	16	10	5.82
Round Hill ...	7.00	1.50	6	9	5.13
Sandy Bay ...	7.12	2.00	5	11	6.79
Haughton Court .	...	...	...	...	...
Lucea ...	5.34	1.47	5	11	6.86
Westfield ...	...	...	...	...	...

CENTRAL SUB-DIVISION.	AUGUST, 1912. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Rio Magno ...	7.10	2.00	21	12	...
Headworks, Rio Cobre ...	3.21	0.88	16	9	5.75
Linstead ...	6.01	1.50	30	12	8.22
Berkshire Hall ...	5.71	1.02	30	16	...
Point Hill ...	8.17	1.76	18	17	12.37
Brown's Hall ...	9.04	2.12	5	13	8.16
Worthy Park ...	10.61	3.25	18	18	5.49
Crofts Hill ...	7.26	2.50	17	15	...
Chapelton ...	4.12	0.77	7	13	6.81
Danks Works ...	4.29	1.27	7	11	5.84
Savoy House ...	4.33	1.28	7	12	6.04
Trout Hall ...	6.70	1.50	14	16	...
Cave Valley ...	6.92	1.10	28	18	7.25
Greenock ...	6.80	1.00	28	18	...
Means ...	4.22	...	...	...	...
WEST-CENTRAL DIVISION.					
Whitney ...	...	...	...	...	...
Mocho, Clarendon ...	...	...	...	...	...
Baillieston ...	8.32	1.10	25	10	6.45
Brokenhurst ...	6.73	2.88	30	9	7.12
Christiana ...	4.85	0.73	11	16	6.44
Chudleigh ...	6.27	1.66	18	15	...
Shooter's Hill ...	6.65	2.15	18	19	..
Spitzbergen ...	7.57	1.46	17	21	...
Kendal, Manchester ...	6.35	2.40	18	18	6.80
Marshalls Pen ...	5.47	1.35	7	15	8.38
Mandeville ...	7.13	1.50	29	18	8.03
Carlton, Mandeville ...	5.16	1.28	29	17	...
Berry Hill ...	6.70	1.50	29	12	..
Fairfield, Manchester ...	2.85	0.65	13	16	5.37
Ulster Spring ...	11.96	2.50	14	13	6.91
Albert Town ...	11.28	1.25	10	17	...
Low River ...	...	...	...	...	...
Troy ...	21.99	2.95	10	17	10.07
Fontabelle, Trel. ...	...	...	...	...	...
Windsor Pen, Trel. ...	7.42	1.36	28	13	8.42
Wallingford ...	10.34	2.90	16	18	...
Balaclava Police Station ...	7.48	1.94	16	13	7.02
Siloah ...	11.19	2.80	8	13	...
Santa Cruz ...	9.14	2.37	14	11	8.62
Appleton Estate ...	11.75	2.70	14	11	10.88
Maggotty ...	10.85	2.35	17	15	10.65
Spring Vale ...	9.92	2.36	5	11	11.61
Ipswich, Ry. St. ...	...	...	...	...	...
Springfield, St. Eliz. ...	...	.	...	...	...
Catadupa Rly. Station ...	...	...	...	...	...
Kempshot ...	7.97	1.37	3	19	8.61
Hazelymph ...	11.42	2.19	23	19	10.91
Kew Park ...	15.44	2.46	9	26	11.65
Montpelier ...	11.00	...	...	18	...
Copse ...	...	...	...	...	...
Ramble ...	15.6	1.68	5	20	...
Petersville ...	10.99	3.05	16	18	10.56
Darliston ...	15.31	1.74	17	25	14.62
Whithorn ...	15.20	1.50	24	26	11.72
Great Valley, Han. ...	8.73	0.85	23	11	11.79
Brownsville ...	...	...	...	...	...
Fort William ...	...	...	...	...	...
George's Plain ...	...	...	...	...	...
Fontabelle, Westm. ...	...	...	...	...	...
Belleisle ...	19.60	3.00	18	16	10.45
Morgan's Bridge ...	21.68	1.50	24	26	11.70
Glasgow Estate ...	...	...	...	...	...
King's Vale Police St. ...	16.01	1.80	17	14	10.76
Green River ...	14.70	2.60	5	24	...
Means ...	10.58	...	...	...	...

SOUTHERN DIVISION.	AUGUST, 1912. Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Morant Point L. H. ...	2.22	0.92	30	13	5.31
East Prospect ...	4.49	1.42	29	12	...
Morant Bay ...	3.90	0.74	6	14	5.68
Easington ...	8.27	5.65	30	12	6.17
Bull Bay ...	0.45	0.25	19	2	2.82
Bellevue ...	5.79	4.23	30	6	...
Gordon Town ...	5.07	2.10	30	8	4.47
Hope Gardens ...	...	...	...	...	...
King's House Gardens ...	3.66	1.36	30	16	5.67
Halfway Tree ...	2.87	1.22	30	10	3.54
Lunatic Asylum ...	1.45	0.70	30	8	2.59
Kingston S. Camp Road ...	2.02	0.98	30	9	...
" Parade Gard. ...	1.40	1.10	...	...	...
" P. W. Office ..	1.13	0.52	30	8	3.88
Plumb Point L. H. ...	1.33	0.44	18	8	3.50
Ballast Ground ...	6.96	2.75	30	8	...
Quarantine Station ...	2.38	0.70	30	3	...
Spanish Town ...	2.47	0.76	18	4	4.04
Hog Hole Pen ...	2.21	0.78	19	6	4.53
Hartlands ...	1.22	0.93	18	3	...
Belmont, St. Catherine ...	4.39	1.15	5	11	...
Old Harbour ...	1.50	0.90	18	3	4.66
May Pen ...	2.91	0.78	30	9	4.79
Hillside Estate ...	...	...	...	...	...
Amity Hall ...	...	...	..	...	...
Money Musk ...	...	...	...	...	...
Dunkley's, Vere ...	0.97	0.60	18	5	4.25
Dry River " ...	1.60	0.82	16	8	...
Caswell Hill " ...	1.57	0.90	18	4	...
Denbigh ...	1.62	0.42	18	4	4.92
Toll Gate ...	2.48	1.25	30	6	...
Woodleigh ...	1.95	0.60	18	4	...
New Yarmouth ...	1.67	0.67	18	4	3.86
Exeter, Vere ...	...	...	...	...	...
Rhymesbury ...	1.42	0.48	17	5	4.52
Springfield, Clarendon ...	...	...	...	...	...
Milk River ...	1.26	1.00	10	3	5.26
Clarendon Pk. Ry. St. ...	3.19	2.35	30	4	...
Victoria Town ...	1.54	0.22	5	4	4.05
Stone's Hope ...	3.56	1.47	30	7	5.99
Newport, Manchester ...	8.06	2.84	30	10	5.39
Great Valley, Man. ...	3.37	1.10	18	5	4.49
Alligator Pond ...	1.69	0.80	13	4	3.08
Lititz ...	1.79	0.66	30	7	...
Long Hill ...	5.78	1.45	15	9	6.36
Unity, Malvern ...	...	...	...	...	...
Bethlehem, St. Eliz. ...	5.69	1.15	12	14	4.99
Torrington ...	...	...	...	...	...
Pedro Plains ...	0.47	0.21	14	4	2.53
Black River ...	5.57	1.38	14	14	5.95
Font Hill ...	6.50	2.90	17	12	6.06
Mount Edgecombe ...	6.00	1.23	16	20	8.19
Bluefields ...	10.99	1.55	17	19	...
Sweet River ...	11.59	1.90	23	17	8.75
Windsor, Sav.-la-mar ...	9.17	1.37	23	21	7.38
Orchard, Sav.-la-mar ...	10.45	1.45	26	20	...
Sav.-la-mar ...	6.95	0.93	23	20	7.49
Retreat ...	8.31	1.96	23	14	8.70
White Hall ...	8.30	1.81	21	17	...
Negril Point L.H. ...	4.46	0.75	21	16	6.76
Negril Pol. Sta. ...	8.68	1.96	21	19	...
Means ...	3.86	...	...	...	...

NOTES.

COMPARATIVE TABLE OF RAINFALL.

(Based upon the "Average" Stations only.)

	August.	
	1912.	Average.
	In.	In.
North-Eastern Division ...	6.84	7.71
Northern ...	4.22	4.83
West-Central ...	10.58	9.88
Southern ...	3.68	5.14
The Island ...	6.38	6.89

The heaviest rainfall 21.99 inches was recorded at Troy in the West Central Division and the smallest, 0.47 inch at Pedro Plains.

Rainfall at Grand Cayman. July, 1912.	Total Fall.	Greatest fall. Amount.	Greatest fall. Date.	No. of days on which 0.01 or more fell.
East End ...	...	...	...	...
Bodden Town ...	1.72	0.43	25	8
George Town ...	..	..	..	..

SHOCKS OF EARTHQUAKE IN AUGUST, 1912.

Date.	Mean time. hr. min.	Intensity.	Notes: where felt, etc.
No earthquakes this month.			

SQUALL, August 5th.

A squall passed over the Island on this day which blew down a large number of banana trees It began about noon at Glengoffe (5 miles WSW of Castleton), and it moved westward as a "line' squall, having its advancing line north and south. The line passed Dry River in Vere at 12.45 p.m.; Porus at 1 p.m.; Santa Cruz about 2 p.m.; Kempshot at 2.45 p.m.; and Savanna-la-Mar at 3 p.m.; so that the distance of 84 miles was travelled in 3 hours and so that the average rate of advance was 28 miles per hour. But no doubt its rate of advance was irregular, so that some places were not effected by its passage and others felt it severely.

At Glengoffe it came on with rain and a roaring gust of wind; at Dry Harbour the air was filled with dust and banana trees were blown down; near Chapelton it lasted only 15 minutes, but 12,000 banana trees were blown down on one property; at Santa Cruz the squall commenced at 1.25 p.m. and lasted an hour and a half, and blew down large trees which blocked the roads; at Kempshot the pressure-plate anemometer registered 6 lbs. to the square foot, which corresponds to a velocity of 41 miles an hour: and at Savanna-la-Mar trees were blown down.

At Scott's Hall near Castleton a "terrific" squall passed at 9 a.m., but nothing more was heard of this squall.

At Mandeville a squall passed at 11.15 am.; but the line squall which must have passed about 1.15 p.m. was not felt.

At Kingston there was a squall of 42 miles an hour at 2.30 p.m., when a small thunderstorm passed south of the town.

So that the weather that day was conducive to squalls; and these have been here recorded unconnected with the line squall.

As usual with these squalls, the barometer rose rapidly after the passage of the line squall, and general rains fell that afternoon over the Island, but there were no indications by means of which its approach could have been foretold.

MAGNETIC VARIATION. The variation of the compass at the Kempshot Observatory in August was 2° 32′ E.

CORRIGENDA. The rainfall at Running Gut for the months March, 1911 to July 1912, inclusive, is only two-thirds of the rainfall registered in the previous Weather Reports in consequence of the employment of an incorrect measuring glass.

The Weather Office,
Halfway Tree P.O.

MAXWELL HALL,
Govt. Meteorologist.

Temperatures at the different Stations in Jamaica during the year, 1911.

JANUARY.

Stations.	Elevation above sea level.	Mean daily temp.	Max. temp.	Min temp.	Range.
	ft.	°	°	°	°
Morant Point ...	8	76.8	80.5	73.5	7.0
Kingston ...	24	75.3	86.6	66.4	20.2
Negril Point ...	33	75.5	84.4	66.7	17.7
Castleton Gardens ...	496	71.8	82	60	22
Hope Gardens ...	668	73.5	83	64	19
Stony Hill ...	1,400	70.0	77.4	63.4	14.0
Hill Gardens ...	4,900	59.2	65	53	12

FEBRUARY.

Stations.	Elevation above sea level.	Mean daily temp.	Max. temp.	Min. temp.	Range.
	ft.	°	°	°	°
Morant Point ...	8	76.2	79.9	73.2	6.7
Kingston ...	24	75.2	87.0	65.9	21.1
Negril Point ...	33	75.4	84.5	66.1	18.4
Castleton Gardens ...	496	70.5	83	57	26
Hope Gardens ...	668	72.5	83	62	21
Stony Hill ...	1,400	69.9	78.8	61.3	17.5
Hill Gardens ...	4,900	61.2	65	62	3

MARCH.

Stations.	Elevation above sea level.	Mean daily temp.	Max. temp.	Min. tem.	Range.
	ft.	°	°	°	°
Morant Point ...	8	74.9	80.5	69.3	11.2
Kingston ...	24	75.1	85.8	66.3	19.5
Negril Point ...	33	76.2	85.3	66.2	19.1
Castleton Gardens ...	496	71.0	86	66	30
Hope Gardens ...	668	73.0	84	64	20
Stony Hill ...	1,400	70.0	79.0	61.5	17.9
Hill Gardens ...	4,900	59.5	61	59	2

APRIL.

Stations.	Elevation above sea level.	Mean daily temp.	Max. temp.	Min. temp.	Range.
	ft.	°	°	°	°
Morant Point ...	8	77.5	82.6	72.5	10.1
Kingston ...	24	78.6	88.1	69.4	18.7
Negril Point ...	33	78.7	86.5	69.7	16.8
Castleton Gardens ...	496	73.5	88	58	30
Hope Gardens ...	668	77.0	87	66	21
Stony Hill ...	1,400	73.0	82.1	64.3	17.8
Hill Gardens ...	4,900	61.2	67	55	12

MAY.

Stations.	Elevation above sea level.	Mean daily temp.	Max. temp.	Min. temp.	Range.
	ft.	°	°	°	°
Morant Point ..	8	78.8	83.9	73.0	10.9
Kingston ...	24	79.0	87.3	71.7	15.6
Negril Point ...	33	78.9	65.2	70.8	14.4
Castleton Gardens ...	496	73.0	86	61	25
Hope Gardens ...	668	76.0	84	67	17
Stony Hill ...	1,400	72.8	80.7	66.1	14.6
Hill Gardens ...	4,900	62.5	67	56	11

JUNE.

Stations.	Elevation above sea level.	Mean daily temp.	Max. temp.	Min. temp.	Range.
	ft.	°	°	°	°
Morant Point ...	8	81.3	84.8	77.7	7.1
Kingston ...	24	82.7	90.6	74.8	15.8
Negril Point ...	33	81.1	88.3	73.1	15.2
Castleton Gardens ...	496	76.5	90	62	28
Hope Gardens ...	668	89.8	90	71	19
Stony Hill ...	1,400	77.0	86.1	67.9	18.2
Hill Gardens ...	4,900	64.2	71	58	13

JULY.

Stations.	Elevation above sea level.	Mean daily temp.	Max. temp.	Min. temp.	Range.
	ft.	°	°	°	°
Morant Point ...	8	81.7	85.2	78.2	7.0
Kingston ...	24	82.2	91.6	73.7	17.9
Negril Point ...	33	81.2	89.3	72.7	16.6
Castleton Gardens ...	496	76.3	89	62	27
Hope Gardens ...	668	82.0	91	73	18
Stony Hill ...	1,400	76.6	86.5	68.0	18.5
Hill Gardens ...	4,900	65.5	73	59	14

AUGUST.

Stations.	Elevation above sea level.	Mean daily temp.	Max. temp.	Min. temp.	Range.
	ft.	°	°	°	°
Morant Point ...	8	81.9	86.0	77.8	8.2
Kingston ...	24	81.9	91.7	73.9	17.8
Negril Point ...	33	80.9	89.5	72.3	17.2
Casleton Gardens ...	496	75.8	90	61	29
Hope Gardens ...	668	82.5	91	73	18
Stony Hill ...	1,406	73.5	84.7	67.6	17.1
Hill Gardens ...	4,900	65.8	75	58	17

SEPTEMBER.

Stations.	Elevation above sea level.	Mean daily temp.	Max. temp.	Min. temp.	Range.
	ft.	°	°	°	°
Morant Point ...	8	82.3	86.9	77.3	9.6
Kingston ...	24	82.1	92.2	74.3	17.9
Negril Point ...	33	80.6	88.9	72.8	16.1
Castleton Gardens ...	496	77.0	91	62	29
Hope Gardens ...	668	80.5	89	71	18
Stony Hill ...	1,400	74.9	79.1	67.8	11.3
Hlil Gardens ...	4,900	66.2	74	60	14

OCTOBER.

Stations.	Elevation above sea level.	Mean daily temp.	Max. temp.	Min. temp.	Range.
	ft.	°	°	°	°
Morant Point ...	8	81.0	86.4	75.5	10.9
Kingston ...	24	80.9	91.7	73.5	18.2
Negril Point ...	23	80.6	87.9	72.4	15.5
Castleton Gardens ...	496	77.5	91	61	30
Hope Gardens ...	668	77.3	87	70	17
Stony Hill ...	1,400	74.4	83.8	67.3	16.5
Hill Gardens ...	4,900	64.0	69	58	11

NOVEMBER.

Stations.	Elevation above sea level.	Mean daily temp.	Max. temp.	Min. temp	Range.
	ft.	°	°	°	°
Morant Point ...	8	80.8	84.7	76.2	8.5
Kingston ...	24	80.0	89.4	72.9	16.5
Negril Point ...	33	79.7	87.4	72.3	15.1
Castleton Gardens ...	496	74.8	88	61	27
Hope Gardens ...	668	77.5	85	70	15
Stony Hill ...	1,400	74.3	83.3	66.9	16.4
Hill Gardens ...	4,900	63.2	69	58	11

DECEMBER, 1911.

Stations.	Elevation above sea level.	Mean daily temp.	Max. temp.	Min. temp.	Range.
	ft.	°	°	°	°
Morant Point ...	8	78.3	82.2	74.3	7.9
Kingston ...	24	77.4	87.6	70.0	17.6
Negril Point ...	33	77.1	84.9	69.8	15.1
Castleton Gardens ...	496	73.8	84	64	20
Hope Gardens ...	668	74.0	83	66	17
Stony Hill ...	1,400	71.8	79.4	64.4	15.0
Hill Gardens ...	4,900	60.5	66	54	12

SUMMARY FOR THE YEAR 1911.

Stations.	Elevation above sea level.	Mean daily temp.	Max. temp.	Min. temp.	Range.
	ft.	°	°	°	
Morant Point ...	8	79.3	83.6	74.9	8.7
Kingston ...	24	79.2	89.1	71.1	18.0
Negril Point ..	33	78.8	86.8	70.4	16.4
Castleton Gardens ...	496	74.3	87.3	60.4	26.9
Hope Gardens ...	668	76.2	86.4	68.1	18.3
Stony Hill ...	1,400	73.4	81.7	65.5	16.2
Hill Gardens ...	4,900	62.8	68.5	57.5	11.0

M. H.

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No. 408.

JAMAICA

WEATHER REPORT

FOR THE MONTH OF

SEPTEMBER, 1912.

The Bar-pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew, 32 gravity at Lat. 45°, and mean sea-level. The bar. at Hill Gardens is reduced to the first three standard only. Thermometers are exposed in Stevenson's Screens; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the small instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky : the Lower clouds are for the most part fracto-stratus: the Middle clouds, cumulus; and the Upper clouds, cirro-stratus.

METEOROLOGICAL RESULTS.

Stations.	Elevation.	Bar. Pressure		Temperature.					Extreme Temperature				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range.
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House ..	8	29.942	29.912	82.9	84.5	86.7	73.6	13.1	88.6	8th	63.0	13th	25.6
Kingston ..	24	29.910	29.858	77.1	84.2	90.4	73.9	16.5	92.7	7th	71.8	1st	20.9
Kempshot ..	1,773	29.929	29.884	72.8	75.3	82.0	70.8	11.2	84.5	6th	68.5	17th	16.0
Negril Point Light House ..	33	29.915	29.876	77.9	83.5	88.2	72.5	15.7	91.3	1st	68.6	17th	22.7
Castleton Gardens ..	496	..	..	69.6	81.1	90.4	59	31.4	96	19th	56	4th*	40
Hope Gardens† ..	668	29.920	29.840	74.2	82	87	76	17	90	6th	68	29th	22
Stony Hill Reformatory ..	1,400	..	..	71.6	78.8	83.8	67.4	16.4	89	10th	65	17th*	24
Hill Gardens ..	4,900	25.282	25.248	66	66.1	71.8	58.3	13.5	77	1st	57	4th	20

Stations.	Elevation.	Dew Point and Humidity.				Rainfall.	Wind per diem.	Wind: (direction from and miles per hour.)				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°		°		in.	miles		m.		m.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House ..	8	72.3	73	75.9	76	2.14	349	E	9	E	10	5.2	2.4	2.3	4.9	2.4	1.8
Kingston ..	24	70.1	79	73.2	70	1.58	177	NNE	3.6	SE	13.0	0.3	0.3	3.2	4.8	1.1	2.0
Kempshot ..	1,773	66.9	82	70.0	84	9.59	97	E	4.5	E	2.7	0.7	0.3	4.2	5.2	3.0	0.6
Negril Point Light House‡ ..	33	72.0	82	72.9	71	7.14	167	ENE	6.4	NNE	10.0	1.1	0.7	4.1	4.4	5.0	0.0
Castleton Gardens ..	496	67.8	93	74.5	82	16.05	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens ..	668	66.0	76	72.8	74	6.46	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Reformatory ..	1,400	68.7	90	71.2	77	7.28	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens ..	4,900	61.8	87	63.2	90	1.74	..	..	..	..	..	..	..	..	..	..	..

* and on other days. † Hope Gardens. Bar. read at 9 a.m. and 3 p.m.
‡ Negril Point Light House. Wind 11 p.m. E.N.E. 5.3

RAINFALL FOR SEPTEMBER, 1912.

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the date of this report; the last column contains the corresponding Rainfall average for the month, according to Weather Report, No. 256A. In obtaining the mean Rainfall for the month from the numbers in the column for the total fall, only those Stations are considered for which the average Rainfall has been also given in the last column, so that the results of these two columns are directly comparable for each division. These results are reproduced in the comparative table at the end of this Rainfall Return, so as to arrive at the mean for the whole Island, embracing the four divisions.

The Northern division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which form the Central sub-division; the Southern division comprises the southern shores from Holland Bay to South Negril; The North-Eastern and West-Central divisions are the remaining parts of the Island bounded by the sea and the other divisions.

NORTH-EASTERN DIVISION.	SEPTEMBER, 1912.				
	Total Fall.	Greatest fall in 24 hours. Amount	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Manchioneal ...	8.81	2.59	16	11	10.88
Ecclesdown ...	11.79	4.57	16	10	...
Spring Valley ...	7.64	2.07	16	12	...
Bath ...	6.61	2.60	6	18	12.03
Boston ...	2.20	1.50	16	3	11.04
Moore Town ...	10.80	...	...	...	14.21
Port Antonio ...	6.12	1.86	16	6	10.43
Fellowship ...	6.37	1.28	14	15	12.93
Windsor, Portland ...	...	...	..	...	...
Johnson River Bridge ...	6.51	3.71	16	11	11.48
Fruitful Vale ...	4.47	1.30	15	14	...
Cedar Valley, St. Thos. ...	2.90	0.88	16	8	13.40
Moy Hall, St. Thos. ...	2.60	0.70	17	8	10.92
Lennox ...	4.63	1.05	14	14	..
Hill Gardens ...	1.74	0.67	15	9	9.84
Buff Bay ...	1.62	0.29	14	9	4.94
Vinery ...	1.90	0.45	17	7	...
Windsor Castle, Port. ...	2.25	0.73	2	5	...
Greenvale, Portland ...	4.25	1.01	30	14	..
Mt. Holstein ...	8.22	3.19	15	14	9.02
Irish Town ..	...	...	...	...	...
Hardware Gap ...	...	...	...	...	...
Stony Hill Reform. ...	7.28	1.34	29	19	9.82
Castleton Gardens ...	16.05	2.20	17	20	11.21
Lawrence Tavern ...	...	...	...	...	...
Carew Castle ..	11.55	2.10	30	17	12.93
Agualta Vale ...	1.01	0.35	17	6	...
Water Valley ...	0.52	0.30	17	3	5.32
Albany, Ry. Station ..	0.50	0.30	30	3	...
Platfield ...	7.24	1.55	23	14	...
Richmond, St. Mary ..	4.97	1.88	17	7	5.59
Hampstead, St. Mary ...	1.02	0.42	29	3	...
Kendal, St. Mary ...	8.87	1.85	16	12	...
Gayle ...	2.65	0.80	16	8	6.10
Rio Hoe ...	5.57	1.64	23	8	6.18
Unity Valley ...	5.74	1.36	16	13	8.20
Moneague ...	5.20	1.56	17	12	7.14
Union Hill ...	...	...	...	...	...
Claremont ...	5.42	1.28	18	11	5.31
Albion, St. Ann ...	6.50	2.75	15	12	6.98
Averham Park ...	3.89	1.08	18	9	4.83
Means —	5.83	..	...	...	...

NORTHERN DIVISION.	SEPTEMBER, 1912.				
	Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Port Maria ...	1.51	0.54	18	7	3.88
Ocho Rios ...	1.57	1.22	17	3	3.93
Bogue, Ocho Rios ...	...	...	...	...	...
Arthurs Seat ...	...	...	...	...	...
Drax Hall ...	1.23	0.40	17	5	3.98
Liberty Hill ...	3.83	1.36	19	7	...
St. Ann's Bay ...	1.52	0.85	19	9	3.31
Seville ...	1.55	0.93	19	6	3.60
Richmond Estate ...	1.03	0.70	19	6	3.85
Llandovery ...	0.97	0.40	18	4	3.72
Southfield, St. Ann ...	...	...	...	...	...
Brown's Town ...	5.35	2.00	29	6	5.30
Hyde Park ...	...	...	...	...	...
Dry Harbour ...	1.00	0.50	29	5	3.07
Chewmagna, St. Ann ...	9.12	2.00	16	15	7.41
Home Castle ...	4.20	3.10	29	4	4.56
Richmond Pen ...	...	...	...	..	...
Mahogany Hall ...	...	...	...	...	...
Barnstaple ...	4.25	1.20	16	8	..
Brampton Bryan ...	2.12	0.96	16	5	3.91
Bryan Castle ...	2.15	0.83	16	5	3.44
Braco ...	1.30	0.60	16	5	3.31
Arcadia ...	2.22	1.22	16	6	4.02
Lancaster ...	1.46	0.61	16	5	3.89
Harmony Hall ...	1.64	0.77	16	6	3.64
Vale Royal ...	4.55	3.80	16	3	4.64
Colchis Pen ...	5.16	1.30	16	14	5.23
Swanswick ...	6.29	2.28	16	6	...
Hyde ...	5.75	1.80	21	6	6.01
Georgia ...	3.73	3.10	16	6	3.92
Long Pond ...	3.60	1.83	16	6	3.71
Hyde Hall ...	1.95	0.70	16	7	5.20
Steelfield ...	2.37	1.67	16	4	4.25
Etingdon ...	2.76	1.50	16	5	3.13
Oxford ...	...	...	...	...	...
Cambridge ...	...	...	...	...	...
Lottery ...	3.20	1.30	16	7	4.38
Falmouth ...	...	...	...	...	...
Florence Hall ...	2.00	1.00	16	4	...
Holland Pen ...	...	...	...	...	...
Kent ...	1.51	0.50	16	4	4.30
Gales Valley ...	6.15	1.75	14	7	7.00
Canaan ...	...	...	...	...	...
Content ...	1.82	0.95	16	5	4.88
Bellfield ...	3.13	1.45	14	4	...
Hampden ...	...	...	...	...	...
Moor Park ...	5.22	1.86	12	8	...
Success ...	1.20	0.25	29	6	3.72
Guilsbro ...	...	...	...	...	...
Cinnamon Hill ...	2.07	0.50	29	7	4.13
Rose Hall ...	1.61	0.70	29	7	3.62
Running Gut ...	2.58	1.70	16	7	3.99
Spring ...	2.90	1.23	16	7	...
Montego Bay ...	5.11	1.30	27	13	6.91
Catherine Hall ...	6.20	1.77	27	11	8.23
King Gate ...	6.81	1.20	17	10	7.04
Round Hill ...	5.53	1.00	5	12	5.34
Sandy Bay ...	7.43	1.50	16	13	7.76
Haughton Court .	...	...	...	...	...
Lucea ...	8.51	1.94	20	18	7.68
Westfield ...	...	...	...	...	...

CENTRAL SUB-DIVISION.	SEPTEMBER, 1912.				
	Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Rio Magno ...	5.04	2.05	16	8	...
Headworks, Rio Cobre ...	3.54	1.12	16	7	6.54
Linstead ...	3.13	1.60	28	7	8.01
Berkshire Hall ...	4.38	0.95	10	12	...
Point Hill ...	9.05	4.32	16	12	11.54
Brown's Hall ...	8.75	5.27	16	5	10.95
Worthy Park ...	3.63	1.55	16	7	7.56
Crofts Hill ...	2.91	1.13	15	6	...
Chapelton ...	3.97	1.21	3	9	7.91
Mears ...	...	...	...	...	...
Danks Works ...	4.71	1.35	3	11	9.37
Savoy House ...	5.96	1.75	7	11	9.35
Trout Hall ...	5.21	2.30	30	9	...
Cave Valley ...	5.90	1.80	15	...	7.61
Greenock ...	6.15	1.95	15	...	...
Means ...	3.71	...	...	...	...
WEST-CENTRAL DIVISION.					
Whitney ...	5.50	1.60	16	7	...
Mocho, Clarendon ...	4.00	...	...	...	...
Baillieston ...	2.46	0.90	16	8	9.70
Brokenhurst ...	9.96	3.75	16	9	9.33
Christiana ...	3.55	0.61	15	11	9.97
Chudleigh ...	7.84	3.68	26	12	...
Shooter's Hill ...	2.65	1.70	16	9	..
Spitzbergen ...	2.19	0.71	16	12	...
Kendal, Manchester ...	3.12	1.58	16	11	9.53
Marshalls Pen ...	3.96	1.35	17	10	8.79
Mandeville ...	4.36	1.40	26	9	10.04
Carlton, Mandeville ...	4.28	1.46	26	10	...
Berry Hill ...	5.10	1.35	15	12	...
Fairfield, Manchester ...	5.95	1.67	26	11	7.80
Ulster Spring ...	13.15	3.70	13	14	8.44
Albert Town ...	9.44	1.46	16	15	...
Low River ...	...	...	...	...	...
Troy ...	21.21	4.30	3	16	13.77
Windsor Pen, Trel. ...	11.78	2.28	3	16	9.06
Wallingford ...	12.82	2.50	27	18	...
Balaclava Police Station ...	13.18	2.00	27	14	10.31
Siloah ...	13.08	2.00	29	19	...
Santa Cruz ...	7.25	2.50	26	10	10.38
Appleton Estate ...	13.21	2.52	13	16	11.50
Maggotty ...	10.85	2.00	1	18	11.84
Butler's ...	9.90	2.00	1	21	...
Spring Vale ...	7.61	1.47	22	10	10.61
Ipswich, Ry. St. ...	...	...	...	...	...
Springfield, St. Eliz. ...	...	...	...	...	...
Catadupa Rly. Station ...	12.48	1.48	26	20	...
Kempshot ...	9.59	2.22	16	17	9.64
Hazelymph ...	15.66	3.10	29	23	10.39
Kew Park ...	15.03	2.00	13	27	12.06
Montpelier ...	10.42	1.70	29	20	...
Ramble ...	18.10	1.40	28	21	...
Petersville ...	9.53	1.88	23	16	9.83
Darliston ...	23.36	2.74	14	26	13.79
Whithorn ...	16.11	1.70	4	25	12.06
Great Valley, Han. ...	18.35	3.30	16	17	12.27
Brownsville ...	...	...	...	...	...
Fort William ...	...	...	...	...	...
George's Plain ...	...	...	...	...	...
Fontabelle, Westm. ...	...	...	...	...	...
Belleisle ...	8.63	1.24	24	13	10.70
Morgan's Bridge ...	10.54	1.71	14	21	12.18
Glasgow Estate ...	...	...	...	...	...
King's Vale Police St. ...	14.84	2.11	23	23	11.44
Green River ...	9.55	1.95	27	21	...
Means ...	10.93	...	...	...	...

SOUTHERN DIVISION.	SEPTEMBER, 1912.				
	Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Morant Point L. H. ...	2.14	0.73	15	7	7.31
East Prospect ...	5.59	1.26	16	15	...
Morant Bay ...	7.63	4.26	16	12	8.41
Easington ...	1.86	0.42	16	8	8.73
Bull Bay ...	...	...	...	...	...
Bellevue ...	1.36	0.53	15	10	...
Gordon Town ...	...	...	...	...	...
Hope Gardens ...	6.46	2.43	29	14	7.04
King's House Gardens ...	2.48	0.42	25	15	5.03
Halfway Tree ...	...	...	...	...	...
Lunatic Asylum ...	2.58	1.59	27	8	4.72
Kingston S. Camp Road ...	3.54	2.14	27	9	...
" Parade Gard. ...	1.74	1.30	27	3	...
" P. W. Office ...	1.58	1.20	27	6	4.18
Plumb Point L. H. ...	0.30	0.15	27	3	3.81
Ballast Ground ...	...	...	...	...	...
Quarantine Station ...	0.35	0.21	16	3	...
Spanish Town ...	2.79	0.82	24	7	5.30
Hog Hole Pen ...	2.28	0.80	16	5	6.33
Hartlands ...	2.58	1.32	25	4	...
Belmont ...	3.57	1.83	1	10	...
Old Harbour ...	7.00	2.10	15	6	6.45
May Pen ...	3.79	1.20	16	9	7.89
Hillside Estate ...	...	...	...	...	...
Amity Hall ...	2.84	1.87	26	3	...
Money Musk ...	...	...	...	...	...
Dunkley's, Vere ...	1.45	0.52	25	5	6.52
Dry River " ...	2.09	1.20	25	5	...
Caswell Hill " ...	...	...	...	...	...
Denbigh ...	1.60	0.60	28	3	5.99
Toll Gate ...	4.64	2.37	16	9	...
Woodleigh ...	1.50	0.50	28	3	...
New Yarmouth ...	1.89	0.99	25	5	5.73
Exeter, Vere ...	1.36	0.55	25	5	...
Rhymesbury ...	3.56	1.72	16	6	5.96
Milk River ...	0.50	0.30	25	3	6.33
Clarendon Pk. Ry. St. ...	...	...	...	...	...
Victoria Town ...	3.16	1.50	24	5	7.18
Stone's Hope ...	1.74	0.53	16	6	8.30
Newport, Manchester ...	3.89	1.14	15	8	7.49
Great Valley, Man. ...	1.87	0.56	25	9	6.63
Alligator Pond ...	1.19	0.58	25	4	4.98
Lititz ...	2.47	0.76	15	8	...
Long Hill ...	18.25	4.00	24	16	4.98
Unity, Malvern ...	...	...	...	...	...
Bethlehem, St. Eliz. ...	6.22	1.68	25	13	6.78
Torrington ...	...	...	...	...	...
Pedro Plains ...	2.59	1.15	2	5	4.90
Black River ...	4.00	1.08	16	12	5.75
Font Hill ...	4.20	1.10	30	7	7.11
Mount Edgecombe ...	8.98	1.42	1	7	8.39
Bluefields ...	12.38	2.10	23	20	...
Sweet River ...	10.28	1.30	10	16	7.83
Windsor, Sav.-la-mar ...	6.95	1.20	10	19	7.26
Orchard, Sav.-la-mar ...	8.39	1.48	23	19	...
Sav.-la-mar ...	6.29	1.27	15	18	6.96
Retreat ...	9.95	3.06	14	4	8.28
White Hall ...	5.49	1.78	13	12	...
Negril Point L.H. ...	7.14	2.50	14	15	7.51
Negril Pol. Sta. ...	5.49	1.22	14	13	...
Means ...	4.44	...	...	...	...

NOTES.

COMPARATIVE TABLE OF RAINFALL.

(Based upon the "Average" Stations only.)

——	September. 1912.	September. Average.
	In.	In.
North-Eastern Division ...	5.83	8.68
Northern ...	3.71	5.70
West-Central ...	10.93	10.78
Southern ...	4.44	6.49
The Island ...	6.23	7.91

The heaviest rainfall, 23.36 inches, was recorded at Darliston, and the smallest, 0.30, inch. at the Plumb Point Light House.

Rainfall at Grand Cayman. August, 1912.	Total Fall.	Greatest fall. Amount.	Greatest fall. Date.	No. of days on which 0.01 or more fell.
East End ...	4.48	3.20	19	10
Bodden Town ...	3.47	1.35	20	9
George Town ...	..	..	..	..

SHOCKS OF EARTHQUAKE IN SEPTEMBER, 1912.

Date.	Mean time. hr.	Mean time. min.	Intensity.	Notes: where felt, etc.
13	10	50 p.m.	I	Kingston 0.02
13	10	50 p.m.	II	Port Antonio and Mt. Holstein NE .008
26	9	30 p.m.	I	Mt. Holstein and Buff Bay

MAGNETIC VARIATION. The variation of the compass at the Kempshot Observatory in September was 2° 26′ E.

The Weather Office,
Halfway Tree P.O.

MAXWELL HALL,
Govt. Meteorologist.

The Elevation of the Cinchona Plantation (Hill Gardens).

In the year 1904 The Colonial Survey Section, R.E., under Captain G. S. Knox, R.E., made an accurate triangulation of a number of stations near Kingston.

The station on Derby Peak, near Flamstead, was found to be 3227.3 feet; the station on Mt. Horeb near Newcastle, was found to be 4849.55 feet.

By means of the latter elevation that of Catherine's Peak was found to be 5050 feet by the Royal Engineers; and this elevation was verified in 1912 by Captain E. J. Pomeroy, of the Second West India Regiment.

At my request Captain Pomeroy ascertained the elevation of the Cinchona Plantation, now called Hill Gardens: by means of the elevation of Catherine's Peak the station at the Cinchona Plantation was found to be 4889.5 feet; by means of the elevation of Derby Peak, the station was found to be 4887.5 feet. But Captain Pomeroy preferred the former result, and gave 4889 feet as the elevation, with a probable error of less than 3 feet.

The station was on a terrace near the house; and Mr. William Harris, the Superintendent of Public Gardens, has kindly measured the height from the station to the level of the cistern of the barometer used many years ago by Sir Daniel Morris, and found it to be 11 feet, so that the cistern of the barometer was 4,900 feet above mean sea-level.

In the special Weather Report No. 386 attention was called to the value of the barometric observations made by Sir Daniel Morris; those made during the year 1882 were compared with the Kingston observations, and the computed elevation was 4,891 feet ; but the observations made during ensuing years should now be similarly reduced.

It so happens that early in 1886 I prepared all the observations made between October 1881 and the ed of 1885 for this purpose; they were arranged as monthly means, which seems most suitable; but the results must have been poor as explained in that special Weather Report on "The Barometer in Jamaica," which showed that the usual barometric rules require a good deal of adjustment for Jamaica.

The following are the observations:—

From October 1881 to December 1885, inclusive.

7 a.m.

Month.	Kingston.			Cinchona Pln.		
	Bar.	Temp.	Dew-pt.	Bar.	Temp.	Dew-pt.
	in.	°	°	in.	°	°
January ..	30.094	69.9	65.0	25.315	57.1	52.7
February ..	30.078	69.9	64.9	25.311	56.8	51.5
March ..	30.078	71.5	66.7	25.297	58.1	52.1
April ..	30.029	76.4	68.7	25.267	60.1	52.8
May ..	30.009	80.1	71.4	25.262	62.1	55.7
June ..	30.034	80.8	72.0	25.297	62.9	57.3
July ..	30.057	80.7	71.0	25.318	63.4	57.8
August ..	30.016	79.3	71.9	25.289	64.0	57.5
September ..	29.984	77.9	72.8	25.267	63.6	57.9
October ..	29.952	76.4	72.0	25.235	62.9	58.1
November ..	29.977	74.4	69.4	25.244	61.2	56.3
December ..	30.028	71.6	66.9	25.275	58.8	54.6
Means ..	30.028	75.7	69.4	25.281	60.9	55.4

Month.	3 p.m.					
	Kingston.			Cinchona Pln.		
	Bar.	Temp.	Dew-pt.	Bar.	Temp.	Dew-pt.
	in.	°	°	in.	°	°
January ..	30.021	83.0	70.2	25.294	62.8	58.0
February ..	30.006	82.3	69.7	25.284	61.9	57.5
March ..	30.008	82.1	70.8	25.277	62.2	58.8
April ..	29.956	82.9	71.5	25.243	63.2	59.9
May ..	29.944	83.5	72.9	25.246	64.1	61.0
June ..	29.972	85.0	74.4	25.285	66.6	62.7
July ..	29.989	86.0	73.5	25.307	68.5	62.5
August ..	29.952	85.5	74.2	25.272	67.2	63.1
September ..	29.916	85.5	74.4	25.241	66.4	63.2
October ..	29.887	84.4	73.6	25.206	64.7	62.7
November ..	29.905	84.5	72.5	25.211	64.3	60.9
December ..	29.952	83.7	71.3	25.240	63.3	59.2
Means ..	29.959	84.0	72.4	25.259	64.6	60.8

Reducing these observations according to the method explained in that special Weather Report, and making a slight correction by taking 4 instead of 2 as the co-efficient of the correction for diurnal variation, p. 7, we get the following series:—

ELEVATION.

	7 a.m.	3 p.m.
	ft.	ft.
January	4,898	4,890
February	4,878	4,885
March	4,885	4,895
April	4,890	4,897
May	4,901	4,892
June	4,900	4,892
July	4,905	4,894
August	4,897	4,896
September	4,896	4,889
October	4,889	4,889
November	4,891	4,895
December	4,890	4,890
Means	4,893	4,892

So that there can be no doubt that by using barometers and the constant 60,159, the elevation is 4,892 feet, which is 8 feet too small assuming Captain Pomeroy's result to be absolutely correct. In which case the constant should be increased to 60,260 for barometric work in Jamaica.

MAXWELL HALL.

October, 7th 1912.

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JAMAICA

WEATHER REPORT

FOR THE MONTH OF

OCTOBER, 1912.

The Bar-pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew, 32 gravity at Lat. 45°, and mean sea-level. The bar. at Hill Gardens is reduced to the first three standard only. Thermometers are exposed in Stevenson's Screens; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the small instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky ; the Lower clouds are for the most part fracto-stratus: the Middle clouds, cumulus; and the Upper clouds, cirro-stratus.

METEOROLOGICAL RESULTS.

Stations.	Elevation.	Bar. Pressure.		Temperature.					Extreme Temperature.				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range.
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House ..	8	29.899	29.840	79.4	83.0	86.0	71.9	13.4	88.0	2nd	67.0	30th*	14.1
Kingston ..	24	29.866	29.810	75.5	84.0	88.5	73.6	14.9	92.1	6th	70.8	18th	21.3
Kempshot ..	1,773	29.887	29.835	71.6	74.8	80.3	70.3	10.0	83.0	3rd	67.2	16th	15.8
Negril Point Light House ..	33	29.871	29.824	77.4	84.0	87.4	72.3	15.1	92.9	4th	70.0	20th	22.9
Castleton Gardens ..	496	..	..	69.5	81.2	88.2	59.	29.2	93.	30th	57.	18th	36.
Hope Gardens† ..	668	29.889	29.797	73.2	83.8	86.6	69.8	16.8	90.	14th	68.	18th*	22.
Stony Hill Reformatory ..	1,400	..	..	70.1	77.8	82.3	66.7	15.6	87.	1st*	65.	14th*	22.
Hill Gardens ..	4,900	25.237	25.199	64.6	64.9	693.	57.1	10.2	74.	2nd	56.	26th	18.

Stations.	Elevation.	Dew Point and Humidity				Rainfall.	Wind per diem.	Wind: (direction from and miles per hour.)				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°		°		in.	miles		m.		m.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House ..	8	74.4	85	84.8	96	6.90	291	E	8.0	NE	9.0	5.2	2.1	1.6	5.5	2.3	1.8
Kingston ..	24	70.7	85	73.4	71	1.87	162	NNE	5.3	SE	11.1	1.7	0.6	2.5	3.3	1.5	2.7
Kempshot ..	1,773	67.8	88	70.5	86	13.57	107	E	4.5	Var.	3.0	0.5	1.4	3.0	5.2	2.6	1.2
Negril Point Light House‡ ..	33	71.9	83	72.8	69	4.91	171	ENE	6.5	ESE	8.8	2.0	0.7	3.0	4.2	3.0	0.8
Castleton Gardens ..	496	68.2	93	74.1	79	8.75	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens ..	668	66.8	81	72.7	70	4.26	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Reformatory ..	1,400	67.8	92	72.2	82	12.30	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens ..	4,900	60.1	84	62.9	93	7.97	..	..	..	..	..	..	..	..	..	..	..

† Hope Gardens. Bar. read at 9 a.m. and 3 p.m. * and on other days.
‡ Negril Point Light House. Wind 11 p.m. E.N.E. 6.1

RAINFALL FOR OCTOBER, 1912.

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month, according to "The Rainfall of Jamaica from about 1870 to the end of 1909." In obtaining the mean Rainfall for the month only those Stations are considered for which the average Rainfall has been also given in the last column, so that the results of these two columns are comparable for each division. These results are reproduced in the comparative table at the end of this Rainfall Return, so as to arrive at the mean for the whole Island, embracing the four divisions.

The Northern division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which form the Central sub-division; the Southern division comprises the southern shores from Holland Bay to South Negril; The North-Eastern and West-Central divisions are the remaining parts of the Island bounded by the sea and the other divisions.

NORTH-EASTERN DIVISION.	OCTOBER, 1912. Total Fall.	Greatest fall in 24 hours. Amount	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Manchioneal ...	14.44	4.10	9	17	18.91
Ecclesdown ...	19.33	3.65	10	17	...
Spring Valley ...	18.08	2.65	8	20	...
Bath ...	11.46	2.60	16	22	18.37
Boston ...	4.90	1.45	14	20	13.11
Moore Town ...	19.50	...	...	...	21.93
Port Antonio ...	12.97	4.40	14	13	15.16
Fellowship ...	19.15	5.95	14	20	18.37
Windsor, Portland ...	19.03	7.00	14	14	...
Johnson River Bridge ...	11.39	1.75	10	17	13.85
Cedar Valley, St. Thos. ...	10.15	2.40	10	12	15.05
Moy Hall, St. Thos. ...	7.51	2.00	12	19	19.97
Lennox ...	11.32	2.60	28	14	...
Hill Gardens ...	7.97	2.65	20	18	18.20
Buff Bay ...	7.48	2.04	16	14	11.76
Vinery ...	7.77	2.20	26	13	...
Windsor Castle, Port. ...	9.37	2.44	16	12	...
Greenvale, Portland ...	11.06	2.78	23	21	...
Mt. Holstein ...	4.31	1.11	7	21	12.72
Irish Town ...	6.41	1.57	10	7	...
Hardware Gap ...	9.00	...	...	...	16.36
Stony Hill Reform. ...	12.30	3.30	10	28	14.38
Castleton Gardens ...	8.75	2.45	27	24	15.48
Lawrence Tavern ...	11.26	2.08	27	18	12.71
Carew Castle ...	12.01	2.84	20	25	13.03
Agualta Vale ...	4.43	0.83	22	16	...
Water Valley ...	4.82	1.79	22	9	7.93
Albany, Ry. Station ...	5.72	1.74	28	9	...
Platfield ...	7.80	2.25	27	14	...
Richmond, St. Mary ...	8.08	1.90	26	15	9.83
Hampstead, St. Mary ...	13.99	3.55	28	13	...
Kendal, St. Mary ...	5.86	1.45	11	12	...
Gayle ...	6.89	1.52	27	10	10.04
Rio Hoe ...	7.70	1.86	27	15	9.64
Unity Valley ...	13.49	3.63	10	17	9.59
Moneague ...	8.88	1.65	27	14	9.94
Union Hill ...	...	...	...	...	...
Claremont ...	6.46	1.02	11	13	8.41
Albion, St. Ann ...	7.82	1.47	27	19	9.02
Averham Park ...	5.87	1.23	27	14	9.35
Means ...	9.76	..	...	...	...

NORTHERN DIVISION.	OCTOBER, 1912. Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Port Maria ...	6.65	1.28	16	15	8.86
Ocho Rios ...	3.85	1.20	9	7	4.84
Bogue, Ocho Rios ...	7.35	1.46	27	15	...
Arthurs Seat ...	...	...	...	...	...
Drax Hall ...	6.25	3.15	27	11	7.58
Liberty Hill ...	9.75	2.85	30	12	...
St. Ann's Bay ...	...	...	...	...	...
Seville ...	8.26	3.60	27	16	7.09
Richmond Estate ...	10.29	4.70	27	14	7.56
Llandovery ...	8.32	3.18	27	14	7.48
Southfield, St. Ann ...	...	...	...	...	...
Brown's Town ...	6.83	3.60	27	7	8.98
Hyde Park ...	...	...	...	...	...
Dry Harbour ...	...	...	...	...	...
Chewmagna, St. Ann ...	11.92	3.00	27	16	8.35
Home Castle ...	4.35	2.05	27	7	7.14
Richmond Pen ...	...	...	...	...	...
Mahogany Hall ...	...	...	...	...	...
Barnstaple ...	7.39	4.78	27	11	...
Brampton Bryan ...	6.76	3.84	27	8	5.22
Bryan Castle ...	3.94	1.60	27	10	5.81
Braco ...	3.21	0.85	16	8	5.42
Arcadia ...	6.69	2.60	27	8	6.24
Lancaster ...	3.30	0.70	22	8	5.96
Harmony Hall ...	2.91	0.65	5	9	5.42
Vale Royal ...	4.88	2.27	27	8	6.69
Colchis Pen ...	4.37	1.45	27	10	8.53
Swanswick ...	4.13	1.57	27	5	...
Hyde ...	...	...	...	...	...
Georgia ...	...	...	...	...	...
Long Pond ...	3.40	1.90	27	8	5.95
Hyde Hall ...	...	...	...	...	...
Steelfield ...	2.37	1.06	27	6	6.00
Etingdon ...	...	...	...	...	...
Oxford ...	...	...	...	...	...
Cambridge ...	...	...	...	...	...
Lottery ...	3.80	2.20	27	10	6.34
Falmouth ...	...	...	...	...	...
Florence Hall ...	3.29	2.00	26	7	...
Holland Pen ...	...	...	...	...	...
Orange Valley ...	...	...	...	...	...
Kent ...	2.66	0.55	11	5	6.48
Gales Valley ...	4.62	0.97	15	9	7.29
Canaan ...	...	...	...	...	...
Content ...	5.10	2.35	27	7	6.49
Bellfield ...	5.24	2.30	15	9	...
Hampden ...	...	...	...	...	...
Moor Park ...	4.90	1.72	15	10	...
Success ...	1.10	0.50	11	6	6.39
Guilsbro ...	...	...	...	...	...
Cinnamon Hill ...	1.55	0.69	11	7	6.73
Rose Hall ...	1.20	0.40	11	7	6.11
Running Gut ...	1.76	0.60	11	7	5.42
Spring ...	3.35	1.13	29	7	...
Montego Bay ...	7.91	1.90	5	16	7.97
Catherine Hall ...	7.98	1.99	5	13	...
King Gate ...	11.39	2.10	5	17	9.12
Round Hill ...	...	...	...	...	...
Sandy Bay ...	14.55	3.15	21	11	9.04
Haughton Court ...	...	...	...	...	...
Lucea ...	9.20	2.58	4	13	8.52
Westfield ...	...	...	...	...	...

CENTRAL SUB-DIVISION.	OCTOBER, 1912. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Rio Magno ...	8.47	1.10	11	18	...
Headworks, Rio Cobre ...	7.52	2.40	1	13	9.79
Linstead ...	8.03	1.25	1	14	10.32
Berkshire Hall ...	5.44	0.92	11	17	...
Point Hill ...	14.73	3.20	7	16	16.83
Brown's Hall ...	9.79	2.60	28	14	11.62
Worthy Park ...	15.86	3.51	11	13	10.41
Crofts Hill ...	9.71	3.30	11	15	...
Chapelton ...	8.65	2.91	11	18	11.81
Mears ...	...	...	...	...	...
Danks Works ...	10.82	3.17	11	15	12.41
Savoy House ...	9.62	3.20	11	6	9.96
Trout Hall ...	8.14	2.73	11	13	...
Cave Valley ...	10.55	3.00	27	15	9.58
Greenock ...	10.35	3.20	27	15	...
Means ...	6.70	...	...	...	...
WEST-CENTRAL DIVISION.					
Whitney ...	11.25	5.20	11	16	...
Mocho, Clarendon ...	12.30	8.00	11	7	...
Baillieston ...	6.91	1.13	12	10	10.70
Brokenhurst ...	6.66	3.05	11	14	14.94
Christiana ...	9.27	2.58	20	14	12.84
Chudleigh ...	11.42	2.83	27	19	...
Shooter's Hill ...	9.21	1.64	15	19	...
Spitzbergen ...	9.81	2.53	27	19	...
Kendal, Manchester ...	8.64	1.46	11	19	14.96
Marshalls Pen ...	8.53	1.75	17	14	12.81
Mandeville ...	7.11	1.44	18	17	16.56
Carlton, Mandeville ...	...	...	...	...	...
The Hill ...	7.76	1.47	29	15	...
Fairfield, Manchester ...	7.11	1.35	11	19	10.60
Ulster Spring ...	8.50	1.00	28	14	10.19
Albert Town ...	12.24	1.55	6	15	...
Low River ...	...	...	...	...	...
Troy ...	11.32	1.59	1	16	16.50
Windsor Pen, Trel. ...	9.31	1.90	15	16	9.49
Wallingford ...	15.72	3.34	27	21	...
Balaclava Police Station ...	13.35	2.87	27	14	13.38
Siloah ...	10.59	3.20	10	15	...
Santa Cruz ...	9.97	3.08	27	10	12.01
Appleton Estate ...	12.50	3.18	27	18	14.04
Maggotty ...	10.79	2.70	27	20	15.30
Butter's ...	14.40	2.20	17	18	...
Spring Vale ...	9.31	1.56	1	11	10.42
Ipswich, Ry. St. ...	...	...	...	...	...
Springfield, St. Eliz. ...	...	...	...	...	...
Catadupa Rly. Station ...	18.92	3.80	17	22	...
Kempshot ...	13.57	4.15	10	22	9.60
Cambridge ...	20.06	3.10	27	20	...
Hazelymph ...	18.61	2.34	1	24	10.66
New Market ...	10.09	2.53	1	18	...
Kew Park ...	14.01	2.19	7	21	11.68
Montpelier ...	...	...	...	...	...
Knockalva ...	15.03	2.00	10	15	...
Ramble ...	13.27	2.00	10	16	...
Petersville ...	8.73	2.70	25	13	11.33
Darliston ...	13.00	2.21	1	22	...
Whithorn ...	13.97	3.40	4	24	11.93
Great Valley, Han. ...	...	...	...	...	...
Brownsville ...	...	...	...	...	...
Fort William ...	...	...	...	...	...
George's Plain ...	...	...	...	...	...
Fontabelle, Westm. ...	...	...	...	...	...
Belleisle ...	7.43	2.01	6	11	9.53
Morgan's Bridge ...	16.27	2.95	25	16	12.94
Glasgow Estate ...	...	...	...	...	...
King's Vale Police St. ...	11.85	2.45	24	19	10.25
Means ...	10.68	...	...	...	...

SOUTHERN DIVISION.	OCTOBER, 1912. Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Morant Point L. H. ...	6.90	0.83	28	25	11.71
East Prospect ...	7.28	1.54	23	20	...
Morant Bay ...	9.87	2.74	10	18	14.22
Easington ...	11.13	1.50	13	14	14.22
Bull Bay ...	0.60	...	...	...	10.26
Bellevue ...	6.88	1.71	10	16	...
Gordon Town ...	5.52	0.90	9	13	14.15
Hope Gardens ...	4.26	0.64	14	23	10.79
King's House Gardens ...	4.39	1.06	10	20	11.09
Halfway Tree ...	2.32	0.80	10	5	9.90
Lunatic Asylum ...	2.63	0.67	21	15	7.93
Kingston S. Camp Road ...	2.65	1.05	11	15	....
" Parade Gard. ...	2.28	1.15	11	15	...
" P. W. Office ...	1.87	0.92	11	15	8.15
Plumb Point L. H. ...	1.42	0.46	9	11	7.67
Ballast Ground ...	4.51	2.13	11	7	...
Quarantine Station ...	1.12	0.33	11	8	..
Spanish Town ...	3.65	0.62	10	9	9.59
Hog Hole Pen ...	3.27	1.06	12	5	10.09
Hartlands ...	3.47	1.98	17	6	...
Belmont ...	9.69	2.37	19	17	...
Old Harbour ...	5.50	2.10	16	8	11.07
May Pen ...	6.43	2.15	11	13	11.57
Hillside Estate ...	...	...	...	...	...
Amity Hall ...	7.47	3.20	11	8	...
Money Musk ...	...	...	...	...	...
Dunkley's, Vere ...	6.09	2.97	11	10	7.01
Dry River " ...	5.45	2.80	11	10	...
Caswell Hill " ...	...	...	..	...	...
Denbigh ...	5.55	2.00	11	6	10.11
Toll Gate ...	11.85	6.23	11	14	...
Woodleigh ...	6.00	1.90	11	6	...
New Yarmouth ...	6.78	3.86	11	13	9.20
Exeter, Vere ...	...	...	...	...	...
Rhymesbury ...	6.75	4.17	11	11	8.49
Milk River ...	5.77	3.00	11	6	7.56
Clarendon Pk. Ry. St. ...	...	...	...	...	...
Victoria Town ...	7.71	3.98	11	10	11.55
Stone's Hope ...	5.29	1.75	11	12	13.35
Newport, Manchester ...	5.93	1.64	17	11	13.26
Great Valley, Man. ...	4.81	1.92	11	12	11.37
Alligator Pond ...	4.87	1.87	11	6	8.77
Lititz ...	5.43	1.61	27	13	...
Long Hill ...	...	...	...	...	...
Unity, Malvern ...	...	...	...	...	...
Bethlehem, St. Eliz. ...	9.64	2.90	26	17	11.86
Torrington ...	9.26	1.90	11	12	11.26
Pedro Plains ...	2.49	0.87	11	7	6.60
Black River ...	5.77	1.48	6	13	8.74
Font Hill ...	5.45	1.90	26	10	9.95
Mount Edgecombe ...	12.64	3.52	26	20	10.05
Bluefields ...	10.87	1.93	1	19	...
Sweet River ...	8.13	1.15	4	13	10.06
Windsor, Sav.-la-mar ...	10.58	2.80	10	19	8.40
Orchard, Sav.-la-mar ...	11.24	2.62	10	17	...
Sav.-la-mar ...	8.49	2.90	10	14	8.99
Retreat ...	4.60	1.34	11	15	10.96
White Hall ...	4.10	1.39	11	14	...
Negril Point L.H. ...	4.91	1. 9	11	13	8.37
Negril Pol. Sta. ...	4.97	1.13	11	16	...
Means ...	5.85	...	...	...	...

NOTES.

COMPARATIVE TABLE OF RAINFALL.

(Based upon the "Average" Stations only.)

—	October. 1912.	October. Average.
	In.	In.
North-Eastern Division ...	9.76	13.22
Northern ...	6.70	7.46
West-Central ...	10.68	12.02
Southern ...	5.85	10.28
The Island ...	8.25	10.75

The heaviest rainfall, 20.06 inches, was recorded at Cambridge in the West-Central Division; and the smallest, 0.60, inch, at Bull Bay.

Rainfall at Grand Cayman. September, 1912.	Total Fall.	Greatest fall. Amount.	Greatest fall. Date.	No. of days on which 0.01 or more fell.
East End ...	5.50	1.69	15	10
Bodden Town ...	2.60	1.20	18	8
George Town ...	..	..	..	..

SHOCKS OF EARTHQUAKE IN OCTOBER, 1912.

Date.	Mean time.	Intensity.	Notes: where felt, etc.
	hr. min.		
25th	2 15 a.m.	I	Kingston and Half-way Tree N. .004 in.
			Mt. Holstein N. .006

MAGNETIC VARIATION. The variation of the compass at the Kempshot Observatory in October was 2° 30′ E.

The Weather Office,
Halfway Tree P.O.

MAXWELL HALL,
Govt. Meteorologist.

No. 410.

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JAMAICA

WEATHER REPORT

FOR THE MONTH OF

NOVEMBER, 1912.

The Bar-pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew, 32 gravity at Lat. 45°, and mean sea-level. The bar. at Hill Gardens is reduced to the first three standard only. Thermometers are exposed in Stevenson's Screens; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the small instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky ; the Lower clouds are for the most part fracto-stratus: the Middle clouds, cumulus; and the Upper clouds, cirro-stratus.

METEOROLOGICAL RESULTS.

Stations.	Elevation.	Bar. Pressure.		Temperature.					Extreme Temperature.				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date.	Min.	Date.	Range.
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House ..	8	29.901	29.845	78.4	81.3	83.6	71.3	12.3	86.5	*2nd	65.0	*2nd	21.5
Kingston ..	24	29.857	29.807	74.3	81.5	85.9	72.6	13.3	90.5	4th	69.8	30th	20 7
Kempshot ..	1,773	29.862	29.813	70.2	72.6	76.7	69.2	7.5	82.5	21st	65.2	26th	16.3
Negril Point Light House ..	33	29.820	29.800	76.9	81.6	84.7	73.3	11.4	88.6	29th	70.8	27th	17.8
Castleton Gardens ..	496	..	..	71.2	80.	85.	60.2	24.8	91.	1st	55.	2nd	36.
Hope Gardens† ..	668	29.884	29.800	75.	80.	84.3	69.3	15.0	90.	30th	67.	1st	23.
Stony Hill Reformatory ..	1,400	..	..	70.1	75.3	78.7	66.4	12.3	84.	*3rd	63.	12th*	21.
Hill Gardens ..	4,900	25.237	25.185	63.4	63.8	67.5	57.2	10.3	73.	9th	54.	11th	19.

Stations.	Elevation.	Dew Point and Humidity.				Rainfall.	Wind per diem.	Wind: (direction from and miles per hour.)				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°		°		in.	miles		m.		m.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House ..	8	74.7	89	76.1	84	18.65	..	Var.	13.7	Var.	..	4.5	2.1	1.5	4.6	2.0	2.0
Kingston ..	24	71.0	90	73.4	77	10.68	196	ENE	7.5	SE	10.1	2.9	0.8	1.6	5.8	1.2	0.9
Kempshot ..	1,773	68.3	94	70.0	92	20.75	199	E	8.1	Var.	4.9	3.5	1.1	2.2	5.5	1.5	0.4
Negril Point Light House‡ ..	33	72.5	86	73.7	77	28.29	311	NE	9.2	NE	13.8	3.3	2.6	1.6	5.3	2.6	0.9
Castleton Gardens ..	496	69.1	90	73.5	82	45.42	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens ..	668	68.	66	72.9	77	33.17	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Reformatory ..	1,400	68.9	95	72.3	90	39.85	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens ..	4,900	60.8	93	61.8	93	62.88	..	..	..	..	..	..	..	..	..	..	..

* and on other days. † Hope Gardens. Bar. read at 9 a.m. and 3 p.m.
‡ Negril Point Light House. Wind 11 p.m. N.E. by E. 15.3

RAINFALL FOR NOVEMBER, 1912.

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month, according to "The Rainfall of Jamaica from about 1870 to the end of 1909." In obtaining the mean Rainfall for the month only those Stations are considered for which the average Rainfall has been also given in the last column, so that the results of these two columns are comparable for each division. These results are reproduced in the comparative table at the end of this Rainfall Return, so as to arrive at the mean for the whole Island, embracing the four divisions.

The Northern division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which form the Central sub-division; the Southern division comprises the southern shores from Holland Bay to South Negril; The North-Eastern and West-Central divisions are the remaining parts of the Island bounded by the sea and the other divisions.

NORTH-EASTERN DIVISION.	NOVEMBER, 1912. Total Fall.	Greatest fall in 24 hours. Amount	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Manchioneal ...	23.95	3.78	12	22	14.23
Ecclesdown ...	46.67	9.00	18	23	...
Spring Valley ...	30.71	5.25	13	24	...
Bath ...	31.78	5.30	7	23	12.95
Boston ...	12.84	1.55	16	19	13.51
Moore Town ...	46.18	...	...	...	34.15
Port Antonio ...	24.25	3.62	17	17	16.39
Fellowship ...	38.00	6.68	20	24	27.19
Windsor, Portland ...	...	...	...	...	...
Johnson River Bridge ...	26.84	5.27	12	22	6.70
Shrewsbury ...	31.92	3.75	17	24	...
Cedar Valley, St. Thos. ...	52.84	12.10	12	18	13.09
Moy Hall, St. Thos. ...	73.14	16.10	13	20	13.14
Lennox ...	31.90	6.00	12	21	...
Hill Gardens ...	82.88	10.75	10	26	14.71
Buff Bay ...	23.69	3.70	12	18	16.12
Vinery ...	25.09	5.80	25	17	...
Windsor Castle, Port. ...	17.72	3.53	25	16	...
Greenvale, Portland ...	41.19	6.51	12	25	...
Mt. Holstein ...	54.70	14.38	10	25	26.11
Irish Town ...	41.00	11.50	12	12	...
Hardware Gap ...	90.40	...	...	...	...
Stony Hill Reform. ...	39.85	11.30	10	23	7.14
Castleton Gardens ...	45.42	11.65	10	21	14.42
Lawrence Tavern ...	41.24	14.00	10	16	...
Carew Castle ...	33.23	8.00	16	13	...
Agualta Vale ...	19.24	2.90	12	22	...
Water Valley ...	20.37	2.63	12	19	10.01
Albany, Ry. Station ...	23.49	3.33	12	19	...
Platfield ...	33.49	7.70	10	19	...
Richmond, St. Mary ...	29.59	3.82	18	19	11.65
Hampstead, St. Mary ...	33.98	4.47	17	22	...
Kendal, St. Mary ...	43.61	7.45	25	18	...
Gayle ...	...	...	...	...	...
Rio Hoe ...	44.76	10.05	12	21	9.40
Unity Valley ...	56.25	10.80	16	26	9.01
Moneague ...	54.92	14.70	16	22	9.90
Union Hill ...	...	...	...	...	...
Claremont ...	49.64	12.74	16	25	10.48
Albion, St. Ann ...	40.69	7.66	16	26	9.74
Averham Park ...	53.96	12.60	16	18	11.85
Means ...	41.21	..	...	...	...

NORTHERN DIVISION.	NOVEMBER, 1912. Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Port Maria ...	18.68	2.75	25	23	10.69
Ocho Rios ...	28.29	6.16	17	21	7.73
Bogue, Ocho Rios ...	35.29	7.00	12	16	...
Arthurs Seat ...	...	...	...	...	...
Drax Hall‡ ...	24.25	7.55	16	17	10.04
Liberty Hill ...	36.59	8.30	12	17	...
St. Ann's Bay ...	25.60	6.10	12	22	9.00
Seville ...	30.73	8.00	16	20	9.80
Richmond Estate ...	27.90	7.90	16	18	9.42
Llandovery ...	...	...	...	...	...
Southfield, St. Ann ...	...	...	...	...	...
Brown's Town ...	44.50	9.82	25	14	10.58
Hyde Park ...	...	...	...	...	...
Dry Harbour ...	11.76	3.40	12	17	7.69
Chewmagna, St. Ann ...	23.20	4.65	16	21	6.91
Home Castle ...	33.00	5.65	25	23	7.35
Richmond Pen ...	...	...	...	...	...
Mahogany Hall ...	...	...	...	...	...
Barnstaple ...	34.47	6.46	29	19	...
Brampton Bryan ...	27.24	6.40	12	18	5.72
Bryan Castle ...	25.15	6.00	12	20	6.40
Braco ...	23.15	6.00	12	22	5.88
Arcadia ...	29.16	5.03	25	20	6.47
Lancaster‡ ...	24.30	6.00	12	19	6.34
Harmony Hall ...	21.52	6.80	12	20	5.75
Vale Royal ...	35.20	6.00	12	21	7.30
Colchis Pen ...	15.92	1.60	25	21	5.81
Swanswick ...	26.47	4.07	25	18	...
Hyde ...	...	...	...	...	...
Georgia ...	...	...	...	...	...
Long Pond ...	28.50	6.60	29	20	5.52
Hyde Hall ...	27.76	6.05	29	20	5.14
Steelfield ...	24.68	3.60	29	20	5.90
Etingdon ...	24.05	4.20	25	17	5.37
Oxford ...	...	...	...	...	...
Cambridge ...	...	...	...	...	...
Lottery ...	33.65	5.60	29	22	5.38
Falmouth ...	...	...	...	...	...
Florence Hall ...	23.39	3.01	18	20	...
Holland Pen ...	...	...	...	...	...
Orange Valley ...	...	...	...	...	...
Kent ...	26.15	6.96	18	17	4.91
Gales Valley* ...	13.72	3.75	17	11	4.84
Canaan ...	...	...	...	...	...
Content ...	30.50	6.50	25	18	4.68
Bellfield‡ ...	33.13	5.90	26	19	...
Hampden ...	...	...	...	...	...
Moor Park ...	35.80	7.30	18	19	...
Success ...	25.01	6.30	18	21	4.52
Guilsbro ...	...	...	...	...	...
Cinnamon Hill ...	25.25	5.10	18	21	4.64
Rose Hall ...	25.48	5.40	18	21	4.50
Running Gutt ...	25.14	5.60	18	21	4.57
Spring† ...	27.88	5.80	18	21	...
Montego Bay ...	35.70	7.70	18	25	4.30
Catherine Hall ...	35.89	7.70	18	23	4.58
King Gate ...	30.79	5.50	19	20	3.86
Round Hill ...					
Sandy Bay ...					
Haughton Court ...					
Lucea ...					

* Gauge blown away.
† Top of gauge blown away.
‡ Gauge overflowed.

CENTRAL SUB-DIVISION.	NOVEMBER, 1912. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Rio Magno ...	29.47	6.65	11	18	...
Headworks, Rio Cobre ...	23.44	5.50	12	20	4.74
Linstead ...	33.23	8.00	16	13	5.92
Berkshire Hall ...	28.56	6.00	10	29	...
Point Hill ...	46.23	11.32	16	20	10.16
Brown's Hall ...	39.25	17.48	17	16	8.13
Worthy Park ...	29.58	9.12	16	15	4.18
Crofts Hill ...	23.55	6.14	2	17	...
Chapelton ...	23.19	5.50	16	19	4.49
Danks Works ...	21.34	5.50	16	16	4.99
Savoy House ...	21.43	4.97	16	20	5.62
Trout Hall ...	24.27	5.45	17	18	...
Cave Valley ...	35.20	10.40	16	...	...
Greenock ...	34.90	10.65	16	...	...
Means ...	27.30	...	...	...	...
WEST-CENTRAL DIVISION.					
Whitney ...	Record	lost.	...	...	...
Mocho, Clarendon ...	26.30	5.40	16	18	...
Baillieston ...	22.72	5.00	16	16	5.25
Brokenhurst ...	25.95	5.90	17	18	6.21
Christiana ...	20.82	5.61	17	19	6.82
Chudleigh ...	32.85	11.04	17	19	...
Shooter's Hill ...	29.93	9.26	17	25	...
Spitzbergen ...	27.86	8.53	17	24	...
Kendal, Manchester ...	28.26	8.97	17	24	5.99
Marshalls Pen‡ ...	29.46	6.95	16	23	6.10
Mandeville ...	37.10	10.50	17	22	6.29
Carlton, Mandeville ...	18.96	5.50	16	23	...
The Hill ...	29.55	8.44	17	23	...
Fairfield, Manchester ...	27.09	6.13	17	25	6.49
Ulster Spring ...	27.54	4.10	18	19	6.46
Albert Town ...	19.40	3.95	17	17	...
Low River ...	...	...	...	...	...
Troy ...	20.53	3.24	16	18	6.46
Windsor Pen, Trel. ...	16.71	2.55	13	19	6.03
Wallingford ...	25.00	4.37	15	20	...
Balaclava Police Station ...	20.03	3.86	16	15	5.91
Siloah ...	19.68	3.80	15	18	...
Santa Cruz ...	18.51	4.40	17	16	5.89
Appleton Estate ...	19.43	3.67	17	19	6.04
Maggotty ...	18.55	3.80	17	19	6.80
Butler's ...	16.93	3.80	15	20	...
Spring Vale ...	27.38	5.35	16	18	6.08
Ipswich, Ry. St. ...	...	...	...	...	...
Springfield, St. Eliz. ...	...	...	...	...	...
Catadupa Rly. Station ...	25.66	4.00	16	19	...
Kempshot† ...	20.76	3.76	16	27	6.18
Cambridge ...	...	...	...	...	...
Hazelymph* ...	28.59	5.92	18	22	5.14
New Market ...	18.35	6.10	17	20	...
Kew Park† ...	19.82	4.63	17	22	5.52
Montpelier ...	...	...	...	...	...
Knockalva ...	...	...	...	...	...
Ramble‡ ...	27.28	7.00	17	21	...
Petersville ...	17.44	5.40	17	15	6.49
Darliston ...	21.54	5.10	17	21	7.48
Whithorn ...	17.79	6.50	17	24	6.92
Great Valley, Han.‡ ...	24.31	7.45	17	21	...
Brownsville ...	...	...	...	...	...
Fort William ...	...	...	...	...	...
George's Plain ...	...	...	...	...	...
Fontabelle, Westm. ...	...	...	...	...	...
Belleisle ...	...	...	...	...	...
Morgan's Bridge ...	16.11	4.10	17	13	5.30
Glasgow Estate ...	...	...	...	...	...
King's Vale Police St. ...	...	...	...	...	...
Means ...	22.82	...	...	...	...

SOUTHERN DIVISION.	NOVEMBER, 1912. Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Morant Point L. H. ...	18.65	3.90	11	22	6.90
East Prospect ...	26.95	4.81	17	27	...
Morant Bay ...	17.44	3.43	12	19	6.44
Easington ...	22.47	4.47	17	21	5.35
Bull Bay ...	6.78	...	...	...	...
Bellevue ...	50.45	12.88	12	19	...
Gordon Town ...	39.73	10.30	12	14	...
Hope Gardens ...	33.17	10.75	12	20	6.35
King's House Gardens ...	25.30	8.96	12	23	3.31
Halfway Tree ...	19.40	5.50	12	10	...
Lunatic Asylum ...	12.98	3.77	12	13	3.57
Kingston S. Camp Road ...	14.23	3.50	12	15	...
" Parade Gard. ...	14.20	3.30	12	12	...
" P. W. Office ...	10.68	3.11	12	14	3.00
Plumb Point L. H. ...	8.18	1.83	15	13	2.32
Ballast Ground ...	32.39	9.00	12	12	...
Quarantine Station ...	7.72	1.58	12	11	...
Spanish Town ...	14.39	3.26	16	16	3.56
Hog Hole Pen ...	19.28	4.16	17	18	4.34
Hartlands ...	18.10	4.60	17	12	...
Belmont ...	23.39	4.82	12	19	...
Old Harbour ...	27.04	9.50	18	13	3.60
May Pen ...	12.70	2.92	16	18	4.51
Hillside Estate ...	...	...	...	...	...
Amity Hall ...	...	...	...	...	...
Money Musk ...	...	...	...	...	...
Dunkley's, Vere ...	14.14	2.87	15	16	3.92
Dry River " ...	10.95	2.30	16	15	...
Caswell Hill " ...	...	...	...	...	...
Denbigh ...	12.50	3.00	16	11	4.79
Toll Gate ...	17.76	4.50	16	20	...
Woodleigh ...	13.89	3.50	16	11	...
New Yarmouth ...	10.66	2.22	16	15	2.66
Exeter, Vere ...	...	...	...	...	...
Rhymesbury ...	12.00	2.57	16	20	3.58
Milk River ...	9.29	2.74	14	14	4.26
Clarendon Pk. Ry. St. ...	...	...	...	...	...
Victoria Town ...	11.99	3.04	16	10	4.53
Stone's Hope ...	18.41	4.46	17	17	5.01
Newport, Manchester ...	33.16	9.19	18	18	6.29
Great Valley, Man. ...	12.89	2.43	16	15	4.24
Alligator Pond ...	9.29	2.25	15	9	2.97
Lititz ...	7.65	1.70	15	13	...
Long Hill ...	Record	lost.	...	...	...
Unity, Malvern ...	...	...	...	...	...
Bethlehem, St. Eliz. ...	17.94	4.28	16	23	7.32
Torrington ...	16.60	4.40	18	16	6.99
Pedro Plains ...	13.00	3.33	15	18	4.01
Black River ...	8.54	2.15	15	14	4.53
Font Hill ...	8.50	3.25	15	12	5.32
Mount Edgecombe ...	11.86	2.46	15	17	5.00
Bluefields ...	...	...	...	...	...
Sweet River* ...	5.85	2.30	16	7	3.80
Windsor, Sav.-la-mar ...	14.33	3.67	30	14	3.64
Orchard, Sav.-la-mar† ...	13.64	4.12	...	14	...
Sav.-la-mar ...	17.10	5.30	17	13	3.10
Retreat ...	24.10	3.65	16	16	4.79
White Hall ...	Record	lost.	...	...	...
Negril Point L.H. ...	28.29	12.79	18	22	3.21
Negril Pol. Sta. ...	Record	lost.	...	...	...
Means ...	15.63	...	...	...	...

* Gauge blown away.
† Top of gauge blown away.
‡ Gauge overflowed.

NOTES.

COMPARATIVE TABLE OF RAINFALL.

(Based upon the "Average" Stations only.)

——	November.	
	1912.	Average.
	In.	In.
North-Eastern Division ...	41.21	13.54
Northern ...	27.30	5.91
West-Central ...	22.82	5.74
Southern ...	15.63	4.56
The Island ...	26.74	7.44

The heaviest rainfall, 90.40 inches, was recorded at Hardware Gap; and the smallest, 6.78 inches, at Bull Bay. These very heavy rains were due to a series of storms and hurricanes from the 10th to the end of the month. A Preliminary Report giving the approximate tracks of the two great hurricanes on the 18th was published as a Special Gazette Dec. 21st, 1912; but a Special Weather Report has been prepared, giving the tracks with greater accuracy, and all the observations on which it was based, which will be published in due course.

Rainfall at Grand Cayman. October, 1912.	Total Fall.	Greatest fall.		No. of days on which 0.01 or more fell.
		Amount.	Date.	
East End ...	10.82	3.10	7	14
Bodden Town ...	7.89	2.65	27	11
George Town ...	..	..	..	..

SHOCKS OF EARTHQUAKE IN NOVEMBER, 1912.

Date.	Mean time.		Intensity.	Notes: where felt, etc.
	hr.	min.		
4th	3	45 a.m.	I	Windsor Pen, Trel.
6th	12	19 a.m.	I	Kingston, NE. .005 in.
9th			I	Mt. Holstein E. .006 in.
27th	1	30 a.m.	I	Falmouth.

MAGNETIC VARIATION. The variation of the compass at the Kempshot Observatory in November was 2° 27′ E.

The Weather Office,
Halfway Tree P.O.

MAXWELL HALL,
Govt. Meteorologist.

No. 412.

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Weather Bureau

JAMAICA

WEATHER REPORT

FOR THE MONTH OF

DECEMBER, 1912.

The Bar-pressures at all the Stations except the Hill Gardens, are reduced to the standards of Kew, 32 gravity at Lat. 45°, and mean sea-level. The bar. at Hill Gardens is reduced to the first three standard only. Thermometers are exposed in Stevenson's Screens; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the small instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower clouds are for the most part fracto-stratus: the Middle clouds, cumulus; and the Upper clouds, cirro-stratus.

METEOROLOGICAL RESULTS.

Stations.	Elevation.	Bar Pressure		Temperature.					Extreme Temperature.				
		7 a.m.	3 p.m.	7 a.m.	3 p.m	Max.	Min.	Range	Max.	Date.	Min.	Date	Range.
	ft.	in.	in.	°	°	°	°	°	°		°		*
Morant Pt. Light House ..	8	29.982	29.933	79.0	81.0	82.5	72.0	10.5	83.5	*5th	62.0	17th	21.5
Kingston ..	24	29.952	29.895	71.3	82.6	87.3	69.8	17.5	90.1	30th	67.3	31st	22.8
Kempshot ..	1,773	..	..	..	..	..	..	..	..	..	..	..	..
Negril Point Light House ..	33	29.969	29.913	75.0	83.0	85.9	71.4	14.5	89.3	7th	65.9	31st	23.4
Castleton Gardens ..	496	..	..	68.7	82.4	86.3	57.4	28.9	91.	4th	51.	30th	40
Hope Gardens† ..	668	29.982	29.838	69.7	85.4	86.8	67.	19.8	90.	1st	64.	17th	26.
Stony Hill Reformatory ..	1,400	..	..	68.6	78.8	80.9	65.0	15.9	86.	12th	62.	*18th	24.0
Hill Gardens ..	4,900	25.294	25.247	61.1	64.	68.8	55.6	13.2	74.	12th	53.	17th	21.

Stations.	Elevation.	Dew Point and Humidity.				Rainfall.	Wind per diem.	Wind: (direction from and miles per hour.)				Amount of Cloud Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°		°		in	miles		m.		m.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House ..	8	72.4	80	72.6	76	3.85	..	E	13.6	E	12.6	1.0	2.3	2.4	0.5	2.2	2.5
Kingston ..	24	67.3	87	70.9	68	0.08	145	N	4.7	SE	10.3	0.9	0.7	0.7	2.0	1.7	0.7
Kempshot ..	1,773	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Negril Point Light House‡ ..	33	68.9	81	72.2	70	3.30	..	NE by E	5.5	Var.	10.8	1.0	0.9	0.6	1.3	4.0	0.4
Castleton Gardens ..	496	66.9	93	71.1	61	16.33	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens ..	668	64.0	81	71.0	63	0.36	..	..	..	..	..	..	..	..	..	..	..
Stony Hill Reformatory ..	1,400	66.1	91	75.3	89	..	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens ..	4,900	57.0	86	60.0	87	3.90	..	..	..	..	..	..	..	..	..	..	..

* and on other days. † Hope Gardens. Bar. read at 9 a.m. and 3 p.m.
‡ Negil Point Dight House. Wind 11 p.m. E.N.E.

RAINFALL FOR DECEMBER, 1912.

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last column contains the corresponding Rainfall average for the month, according to "The Rainfall of Jamaica from about 1870 to the end of 1909." In obtaining the mean Rainfall for the month only those Stations are considered for which the average Rainfall has been also given in the last column, so that the results of these two columns are comparable for each division. These results are reproduced in the comparative table at the end of this Rainfall Return, so as to arrive at the mean for the whole Island, embracing the four divisions.

The Northern division comprises the northern shores from Port Maria to Davis' Cove, including the central part of the Island which form the Central sub-division; the Southern division comprises the southern shores from Holland Bay to South Negril; The North-Eastern and West-Central divisions are the remaining parts of the Island bounded by the sea and the other divisions.

NORTH-EASTERN DIVISION.	DECEMBER, 1912. Total Fall.	Greatest fall in 24 hours. Amount	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Manchioneal ...	...	...	..	...	...
Ecclesdown ...	13.71	3.05	23	22	...
Spring Valley ...	8.42	1.35	23	17	...
Bath ...	6.00	0.88	13	23	8.80
Boston ...	1.50	1.00	24	2	9.92
Moore Town ...	18.70	...	...	...	25.39
Port Antonio ...	7.91	1.35	19	15	13.78
Fellowship ...	11.03	1.93	20	22	19.98
Windsor, Portland ...	17.02	4.10	20	16	...
Johnson River Bridge ...	3.37	0.67	31	19	5.53
Shrewsbury ...	12.60	1.90	20	24	...
Cedar Valley, St. Thos. ...	1.39	0.35	24	6	5.52
Moy Hall, St. Thos. ...	2.93	0.52	16	13	5.94
Lennox ...	9.25	2.00	31	13	..
Hill Gardens ...	3.90	...	...	...	...
Buff Bay ...	5.51	1.15	24	14	11.81
Vinery ...	7.01	1.26	24	18	...
Windsor Castle, Port. ...	6.78	2.02	24	18	...
Greenvale, Portland ...	20.65	5.31	20	25	..
Mt. Holstein ...	22.02	12.44	20	23	17.04
Irish Town ...	2.11	1.00	15	4	...
Hardware Gap ...	8.75	...	...	...	6.86
Stony Hill Reform. ...	4.27	2.52	20	6	4.16
Castleton Gardens ...	16.33	...	..	...	...
Lawrence Tavern ...	9.91	7.58	20	6	...
Carew Castle ...	9.21	5.83	20	14	4.49
Agualta Vale ...	5.48	1.96	24	15	...
Water Valley ...	8.87	1.99	24	18	6.83
Albany, Ry. Station ...	8.05	1.77	23	17	...
Platfield ...	5.62	1.75	20	10	...
Richmond, St. Mary ...	5.40	1.04	27	13	9.50
Hampstead, St. Mary ...	15.31	3.56	9	23	...
Kendal, St. Mary ...	4.07	1.65	21	11	...
Gayle ...	9.32	1.20	9	20	10.88
Rio Hoe ...	5.81	1.07	5	14	9.10
Unity Valley ...	4.47	0.78	20	16	7.66
Moneague ...	...	...	...	...	...
Union Hill ...	...	...	...	...	...
Claremont ...	...	.	...	...	...
Albion, St. Ann ...	5.41	1.65	8	20	8.19
Averham Park ...	10.32	1.60	13	14	10.41
Means ..	7.56	..	...	...	...

NORTHERN DIVISION.	DECEMBER, 1912. Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Port Maria ...	6.75	1.39	17	9	8.06
Ocho Rios ...	6.20	1.40	26	14	5.74
Bogue, Ocho Rios ...	...	...	...	...	...
Arthurs Seat ...	...	...	...	..	...
Drax Hall ...	7.25	1.46	8	13	8.47
Liberty Hill ...	9.80	2.50	13	12	...
St. Ann's Bay ...	86.64	1.25	8	19	7.07
Seville ...	6.12	1.07	9	16	7.77
Richmond Estate ...	...	...	...	...	...
Llandovery ...	5.27	1.43	8	9	8.17
Southfield, St. Ann ...	...	...	...	...	...
Brown's Town ...	5.32	0.96	9	10	8.85
Hyde Park ...	...	...	...	...	...
Dry Harbour ...	2.35	0.90	9	7	5.62
Chewmagna, St. Ann ...	3.15	1.00	15	10	3.38
Home Castle ...	3.20	0.75	8	10	7.63
Richmond Pen ...	...	...	..	...	...
Mahogany Hall ...	...	...	...	...	...
Barnstaple ...	3.38	0.88	9	9	...
Brampton Bryan ...	2.90	0.80	19	9	5.78
Bryan Castle ...	3.82	1.20	26	11	6.54
Braco ...	3.25	1.00	26	8	5.80
Arcadia ...	3.66	0.80	26	8	6.78
Lancaster ...	2.71	1.05	26	6	6.54
Harmony Hall ...	2.43	0.62	8	12	6.13
Vale Royal ...	2.53	0.70	26	6	7.88
Colchis Pen ...	1.35	0.50	20	4	4.47
Swanswick ...	2.44	0.67	8	8	...
Hyde ...	...	...	...	...	...
Georgia ...	...	...	...	...	...
Long Pond ...	2.53	0.38	19	9	4.37
Hyde Hall ...	2.45	0.77	8	7	5.35
Steelfield ...	3.55	1.05	13	9	6.36
Etingdon ...	2.99	0.90	13	7	4.71
Oxford ...	...	...	...	...	...
Cambridge ...	...	...	...	...	...
Lottery ...	2.00	0.60	13	8	5.54
Falmouth ...	...	...	...	...	...
Florence Hall ...	1.47	0.50	9	5	...
Holland Pen ...	...	...	...	...	...
Orange Valley ...	...	...	...	...	...
Kent ...	1.35	0.54	9	6	5.12
Gales Valley ...	1.35	0.75	13	5	4.93
Canaan ...	...	...	...	...	...
Content ...	1.35	0.50	14	4	5.22
Bellfield ...	1.34	0.40	13	7	...
Hampden ...	...	...	...	...	...
Moor Park ...	0.88	0.26	13	6	...
Success ...	1.20	0.50	24	7	4.01
Guilsbro ...	...	...	...	...	...
Cinnamon Hill ...	1.24	0.35	9	8	5.16
Rose Hall ...	1.25	0.30	9	10	5.04
Running Gut ...	1.03	0.28	9	8	5.49
Spring ...	1.06	0.35	22	5	...
Montego Bay ...	0.12	0.04	9	3	4.75
Catherine Hall ...	0.20	0.07	13	4	5.61
King Gate ...	...	...	...	...	...
Round Hill ...	...	...	...	...	...
Sandy Bay ...	1.92	1.00	11	3	3.49
Haughton Court ...	...	...	...	...	...
Lucea ...	3.31	1.70	22	3	3.95

CENTRAL SUB-DIVISION.	DECEMBER, 1912. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Rio Magno ...	4.15	1.15	20	10	...
Headworks, Rio Cobre ...	1.93	1.30	16	4	2.05
Linstead ...	4.89	1.80	20	11	3.70
Berkshire Hall ...	2.88	1.13	20	10	...
Point Hill ...	8.60	2.06	5	13	5.92
Brown's Hall ...	6.90	2.30	24	9	3.01
Worthy Park ...	...	...	..	...	...
Crofts Hill ...	...	...	...	...	...
Chapelton ...	2.69	0.75	15	11	2.47
Mears ...	...	...	...	...	...
Danks Works ...	3.01	2.46	15	6	2.57
Savoy House ...	3.61	1.30	15	9	2.81
Trout Hall ...	...	...	...	...	...
Cave Valley ..	...	...	..	...	...
Means ...	3.23	...	...	...	...
WEST-CENTRAL DIVISION.					
Whitney ...	...	...	...	...	...
Mocho, Clarendon ...	...	...	...	...	...
Baillieston ...	0.65	0.26	24	6	2.44
Brokenhurst ...	2.70	2.10	4	2	3.80
Christiana ...	0.37	0.17	19	3	3.68
Chudleigh ...	1.76	0.57	16	6	...
Shooter's Hill ...	3.89	1.84	16	6	...
Spitzbergen ...	2.42	1.35	16	6	...
Kendal, Manchester ...	4.15	2.27	16	5	2.92
Marshalls Pen ...	2.76	1.31	19	5	3.65
Mandeville ...	1.99	0.63	16	6	3.62
Carlton, Mandeville ...	0.75	0.62	16	6	...
The Hill ...	3.06	1.02	5	4	...
Fairfield, Manchester ...	2.37	1.30	16	8	2.94
Ulster Spring ...	...	...	..	...	...
Albert Town ...	1.17	0.30	13	5	...
Low River ...	...	...	...	...	...
Troy ...	1.32	0.69	19	3	3.58
Windsor Pen, Trel. ...	1.21	0.30	6	7	4.51
Wallingford ...	0.90	0.60	18	5	...
Balaclava Police Station ...	1.17	0.74	18	2	2.42
Siloah ...	1.50	0.75	16	3	...
Santa Cruz ...	2.12	1.46	16	5	2.77
Appleton Estate ...	2.50	1.50	16	4	3.04
Maggotty ...	1.42	0.72	19	4	2.98
Spring Vale ...	2.94	1.30	22	6	6.27
Ipswich, Ry. St. ...	...	...	...	...	...
Springfield, St. Eliz. ...	...	...	...	...	...
Catadupa Rly. Station ...	1.80	0.55	11	5	...
Kempshot ...	0.86	0.26	22	7	5.40
Cambridge ...	2.03	1.39	22	5	...
Hazelymph ...	2.29	1.40	22	5	2.54
New Market ...	1.31	0.69	17	5	...
Kew Park ...	2.65	1.87	11	8	2.67
Montpelier ...	...	...	...	...	...
Knockalva ..	2.00	1.02	22	6	...
Ramble ..	2.95	1.14	11	5	..
Petersville ...	1.98	1.82	24	3	2.72
Darliston ...	1.18	0.24	14	9	3.47
Whithorn ...	2.05	0.80	16	6	2.94
Great Valley, Han. ...	...	...	...	...	...
Brownsville ...	...	...	...	...	...
Fort William ...	...	...	...	...	...
George's Plain ...	...	...	...	...	...
Fontabelle, Westm. ...	...	...	...	...	...
Belleisle ...	...	...	...	...	...
Morgan's Bridge ...	1.73	0.94	22	3	3.28
Glasgow Estate ...	...	...	...	..	...
King's Vale Police St. ...	0.24	0.11	22	3	3.33
Means ...	1.85	...	...	...	...

SOUTHERN DIVISION.	DECEMBER, 1912. Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Morant Point L.-H. ...	3.85	1.42	14	14	6.41
East Prospect ...	4.24	1.65	12	19	...
Morant Bay ...	2.06	0.58	13	9	4.52
Easington ...	1.53	0.40	13	9	3.31
Bull Bay ...	0.00	...	...	...	1.75
Bellevue ...	2.58	1.05	14	14	...
Gordon Town ...	0.50	0.50	15	1	3.37
Hope Gardens ...	0.36	...	...	...	...
King's House Gardens ...	0.68	0.34	13	6	1.90
Halfway Tree ...	0.34	0.34	13	1	2.12
Lunatic Asylum ...	0.09	0.05	14	4	2.03
Kingston S. Camp Road ...	0.20	0.11	14	3	...
" Parade Gard. ...	0.28	0.28	14	1	...
" P. W. Office ...	0.08	0.08	14	1	1.78
Plumb Point L. H. ...	0.13	0.06	14	4	1.60
Ballast Ground ...	1.70	1.20	15	2	...
Quarantine Station ...	0.18	0.10	27	2	...
Spanish Town ...	0.70	0.30	14	4	2.08
Hog Hole Pen ...	2.28	0.76	17	8	2.83
Hartlands ...	1.80	0.52	13	5	...
Belmont ...	2.84	1.62	15	5	...
Old Harbour ...	2.05	0.90	24	4	2.71
May Pen ...	1.76	0.63	16	5	2.40
Hillside Estate ...	...	...	...	...	...
Amity Hall ...	0.57	0.30	27	2	...
Money Musk ...	...	...	...	...	...
Dunkley's, Vere ...	2.06	1.80	16	3	1.91
Dry River " ...	2.42	1.89	16	6	...
Caswell Hill " ...	...	...	..	...	...
Denbigh ...	...	...	..	..	...
Toll Gate ...	4.09	1.23	16	6	...
Woodleigh ...	...	...	...	...	...
New Yarmouth ...	...	...	...	...	...
Exeter, Vere ...	0.84	0.50	16	4	...
Rhymesbury ...	2.17	1.38	16	5	2.23
Milk River ...	0.96	0.60	17	4	2.48
Clarendon Pk. Ry. St. ...	4.01	1.30	5	5	...
Victoria Town ...	1.98	0.85	16	4	3.03
Stone's Hope ...	1.29	0.66	16	5	2.85
Newport, Manchester ...	1.99	0.87	5	4	4.11
Great Valley, Man. ...	1.78	1.35	16	5	2.77
Alligator Pond ...	2.21	2.21	16	1	2.70
Lititz ...	0.65	0.37	17	4	...
Long Hill ...	1.62	0.65	24	6	3.15
Bethlehem, St. Eliz. ...	1.71	0.47	24	7	2.44
Torrington ...	0.86	0.40	7	3	2.72
Pedro Plains ...	0.32	0.32	16	1	1.28
Black River ...	0.29	0.21	24	3	2.27
Font Hill ...	0.40	0.40	24	1	2.08
Mount Edgecombe ...	1.90	1.45	24	5	2.44
Bluefields ...	1.86	0.73	12	5	...
Sweet River ...	...	...	...	...	...
Windsor, Sav.-la-mar ...	0.80	0.67	22	3	2.48
Orchard, Sav.-la-mar ...	0.98	0.85	22	3	...
Sav.-la-mar ...	0.83	0.45	22	2	2.36
Retreat ...	2.03	1.50	22	3	2.41
White Hall ...	1.78	1.50	22	4	...
Negril Point L.H. ...	3.30	1.50	24	6	2.12
Negril Pol. Sta. ...	...	...	...	...	...
Means ...	1.35	...	...	...	...

NOTES.

COMPARATIVE TABLE OF RAINFALL.

(Based upon the "Average" Stations only.)

	December.	
	1912.	Average.
	In.	In.
North-Eastern Division ...	7.56	10.28
Northern ...	3.23	5.45
West-Central ...	1.85	3.60
Southern ...	1.35	2.61
The Island ...	3.50	5.48

The heaviest rainfall, 18.70 inches was recorded at Moore Town. No rain fell at Bull Bay in the Southern Division and only 0.08 and 0.09 inches at Kingston and the Lunatic Asylum.

Rainfall at Grand Cayman. October, 1912.	Total Fall.	Greatest fall. Amount.	Greatest fall. Date.	No. of days on which 0.01 or more fell.
East End ...	5.53	2.30	2	13
Bodden Town ...	5.06	1.15	2	12
George Town ...	..	..	.	..

SHOCKS OF EARTHQUAKE IN DECEMBER, 1912.

Date.	Mean time. hr.	min.	Intensity.	Notes: where felt, etc.
23rd	1	53 a.m.	I	Kingston, S.E. .003 ins. duration 3 seconds.
23rd	1	53 a.m.	II	Mt. Holstein N.E. .011 ins

Kempshot Observatory : Magnetic Variation (E)

January ...	2°	27′
February ..		26
March ...		26
April ...		28
May ...		30
June ...		30
July ...		28
August ...		32
September ...		26
October ...		30
November ...		27
December ..	2	26
Mean ...	2	28.0

THE RAINFALL OVER THE ISLAND.

(From about 150 "average" Stations.)

1912.	Rainfall Division. N.E.	N.	W.C.	S.	The Island
	in.	in.	in.	in.	in.
January	7.64	4.22	3.39	2.35	4.40
February	4.38	2.16	1.83	1.26	2.34
March	4.00	3.45	7.61	4.44	4.88
April	3.64	1.14	2.71	1.36	2.21
May	3.76	2.86	9.49	2.29	4.60
June	3.12	1.86	3.68	1.06	2.43
July	3.64	3.41	7.72	2.44	4.30
August	6.84	4.22	10.58	3.68	6.38
September	5.83	3.71	10.93	4.44	6.23
October	9.76	6.70	10.68	5.85	8.25
November	41.21	27.30	22.82	15.63	26.74
December	7.56	3.23	1.85	1.35	3.50
Totals	101.38	64.26	93.29	46 15	76.26

MAGNETIC VARIATION. The variation of the compass at the Kempshot Observatory in December was 2° 26′ E.

The Weather Office
Halfway Tree P.O.

MAXWELL HALL,
Govt. Meteorologist.

METEOROLOGICAL OBSERVATIONS.—KINGSTON, JAMAICA. MEAN RESULTS OF THE YEAR 1912. ELEVATION 24 FEET.

Month	Bar.		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.
																7 a.m.		3 p.m.		11 p.m.		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.	
	Ins.	Ins.	°	°	°	°	°	°	°	°	°	°	°	Ins.			Mls.		Mls.		Mls.						
Jany. ..	29.967	29.922	76.7	71.0	81.6	87.5	68.8	18.7	91.0	64.4	26.6	66.1	84 71.0 70	1.40	214.3	NE	6.2	SE	16.0	NE	5.3	2.1	1.8	0.3	1.9	0.1	0.3	Rainfall about 40 per cent. above the average. Unusually brisk sea breeze on many days. Fresh "Northers" from about the 16th to 18th. Fine on eleven days.
Feb. ..	29.961	29.923	75.9	69.8	81.6	85.6	68.5	17.1	90.8	61.2	29.6	64.7	83 71.5 72	0.74	241.9	NNE	6.8	SE	14.7	ENE	7.6	1.5	3.0	0.7	1.9	0.4	0.3	Rainfall a little above the average. Unusually brisk wind latter part of month, continuing throughout the night on many occasions. "Northers" on eight days.
March..	29.983	29.933	77.0	72.5	81.8	86.5	69.5	17.0	88.5	67.1	21.4	66.2	80 70.4 69	0.56	229.4	NE	5.1	SE	17.5	E b N	5.2	1.9	3.5	0.7	5.2	0.3	0.5	Rainfall about one-half the average. Sea breeze continued till late at night on seven occasions. Thunder storm on 19th and 20th. Fine on four days.
April ..	29.990	29.936	78.9	75.6	83.5	87.7	70.7	17.0	90 5	68.1	22.4	67.9	77 70.2 64	0.51	201.1	NNE	3.7	SE	14.9	NE bE	4.4	1.0	4.2	0.7	2.0	0.4	0.5	Rainfall one-half the average. Sea breeze continued till late at night on 4 occasions. Thunderstorm to north on the 27th. Rain in the neighbourhood on the 5th, 17th, and 28th, Humidity the average. Fine on eight days.
May ..	29.955	29.902	80.3	78.1	84.3	87.9	72.9	15.0	89.9	70.4	19.5	69.3	74 72.4 68	0.27	243.7	NNE	4.3	SE	19.3	ESE	5.8	0.7	4.0	0.8	1.7	0.8	1.0	Rainfall much below the average. Seabreeze continued till late at night on 19 occasions. Distant thunder to north on 5th and 28th. Fine on eight days.
June ..	29.970	29.926	82.2	79.7	86.3	89.8	75.2	14.6	92 0	72.1	19.9	70.3	73 72.1 63	0.08	312.3	ESE	7.1	SE	25.7	ESE	8.5	1.1	3.0	1.5	1.1	1.8	1.0	Rainfall exceptionally low (smallest on record for June for 40 years.) Seabreeze continued till late at night on 18 occasions. SE squall on 23rd at about 3.15 p.m. 42 miles an hour. Thunderstorm on 18th.
July ..	29.970	29.924	82.1	78.4	87.0	90.9	74.0	16.9	93.2	72.7	20.5	68.9	73 72.7 63	0.02	244.3	NNE	4.1	SE	19.2	NE	3.9	0.7	3.5	1.0	1.1	1.0	1.7	Rainfall very difficient. Thunderstorm on five occasions. Seabreeze continued till late on many nights. Fine on eight days.
Aug. ..	29.953	29.903	81.5	77.9	85.3	90.7	74 0	16.7	95.0	70.9	24.1	69.1	74 72.3 65	1.13	248.5	NNE	4.8	SE	18.3	NE	4.5	0.6	3.1	0.7	2.0	2.1	2.2	Rainfall much below the average. Frequent thunderstorm and distant lightning. "Line squall" on 5th all along south coast. Fine on 4 days.
Sept. ..	29.910	29.858	80 9	77.1	84.2	90.4	73.9	16.5	92.7	71.8	20.9	70.1	79 73.2 70	1.58	176.7	NNE	3.6	SE	13.0	NNE	3.8	0.3	4.8	0.3	1.1	3.2	2.0	Rainfall difficient. Very frequent lightning throughout. Cloudy.
Oct ..	29.866	29.810	79.9	75.5	84.0	88.5	73.6	14.9	92.1	70.8	21.3	70.7	85 73.4 71	1.87	162.1	NNE	5.3	SE	11.1	N b E	4.3	1.7	3.3	0.6	1.5	2.5	2.7	Rainfall about one-quarter the average. Frequent lightning throughout. Squally on 5 days. Low barometer on 27th and 28th owing to small depression to south. Fine on 2 days.
Nov. ..	29.857	29.807	78.1	74.3	81.5	85.9	72.6	13.3	90.5	69.8	20.7	71.0	90 73.4 77	10.68	195.9	ENE	7.5	SE	10.1	E b S	8.4	2.9	5.8	0.8	1.2	1.6	0.9	Heavy rains between 11th and 19th owing to weather disturbance (severe hurricane west of Island on 17th and 18th). Humidity much above the mean. Considerable southwesterly wind from 15th to 18th. Fine on 3 days.
Dec. ..	29.952	29.895	77.3	71.3	82.6	87.3	69.8	17.5	90.1	67.3	22.8	67.3	87 70.9 68	0.08	144.7	N	4.7	SE	10.3	N	4.7	0.9	2.0	0.7	1.7	0.7	0.7	Rainfall much below. Squally on 2nd. Thunderstorm 7 to 8 p.m. 16th. Rain in neighbourhood on 6 days. Fine on 18 days.
Total ..	..	..	..	..	..	..	..	..	..	..	..	..	.. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Means..	29.944	29.895	79.2	75.1	83.6	88.2	71.9	16.3	91.4	68.9	22.5	68.5	80 72.0 68	18.92	217.9	NE by E	5.3	SE	15.8	ENE	5.5	1.3	3.5	0.7	1.9	1.2	1.2	Rainfall about one-half the average. Frequent lightning. Hurricane to west of Island 17th and 18th November.