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WEATHER REPORT

FOR THE MONTH OF

JANUARY, 1918.

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.		Temperatures.					Extreme Temperatures.				
		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	29.954	76.0	79.4	80.8	72.0	8.8	82.5	16	57.0	3	25.5
Kingston ..	24	29.964	29.921	68.1	82.5	84.5	76.1	17.4	91.5	26	56.9	2	34.6
Negril Point Light House ..	33	29.977	29.929	70.5	81.5	84.4	68.1	16.3	88.9	19	57.1	5	31.8
Castleton Gardens ..	496	..	..	68.2	83.2	83.7	63.2	20.5	89.0	16	53	5	36.0
Hope Gardens† ..	668	29.969	29.899	66.0	84.8	85.2	64.1	21.1	91.0	29	59	3	32.0
Bavinton, Stony Hill** ..	1,349	29.984	29.903	64.2	77.3	79.3	62.4	16.9	83.0	20*	54.5	2	28.5
Stony Hill Indus. School ..	1,400	..	..	64.9	77.6	79.4	63.1	16.3	86.0	26	54.0	2	32.0
Kempshot ..	1,773	29.975	29.926	65.6	73.0	76.1	64.4	11.7	80.4	17	57.4	2	23.0
Hill Gardens ..	4,900	25.270	25.211	59.7	62.0	65.5	51.8	13.7	71.0	29	46.0	5	25.0

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	66.8	73	68.3	69	0.64	..	ENE	17.0	NE	16.0	3.3	0.6	0.5	3.0	0.6	0.1
Kingston ..	24	62.8	83	66.6	59	0.58	204	NNE	6.2	SE	14.9	1.6	0.7	1.2	1.4	1.6	0.5
Negril Point Light House‡ ..	33	64.5	81	67.4	63	0.21	50	ENE	5.9	SSE	14.2	0.7	1.3	2.0	0.4	3.2	0.6
Castleton Gardens ..	496	61.3	93	63.3	60	0.73	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens ..	668	60.9	84	68.4	56	0.17	..	..	..	..	..	..	..	..	..	..	..
Bavinton, Stony Hill ..	1,349	60.0	86	64.8	66	0.18	..	N	2.6	WNW	6.0	2.6	0.9	1.0	2.6	2.6	0.2
Stony Hill Indus. School ..	1,400	60.0	84	63.5	62	0.13	..	..	..	..	..	..	..	..	..	..	..
Kempshot ..	1,773	63.2	84	70.8	84	0.83	175	E	5.9	E	4.8	3.3	1.0	0.2	1.7	1.0	0.4
Hill Gardens ..	4,900	55.5	86	57.9	86	0.86	..	..	..	..	..	..	..	..	..	..	..

* and on other days. † Hope Gardens. Bar. read at 9 a.m. and 3 p.m.
‡ Negril Point Light House. Wiad 11 p.m. ENE 10.5
** Bavinton, Stony Hill. Mean Min. temp. on grass 57.5
Earth temp. 1 ft. below surface 71.3
" 4ft. " " 72.5

National Oceanic and Atmospheric Administration

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March 28, 2002

THE RAINFALL.

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending his 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.	JAN., 1918. Total Fall.	Greatest fall in 24 hours. Amount	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Manchioneal ...	1.87	0.48	7	9	5.94
Spring Valley ...	2.26	0.50	18	12	8.41
Bath ...	0.76	0.20	22	7	6.26
Priestman's River ...	1.68	0.59	7	9	...
Moore Town ...	3.62	0.55	27	12	18.55
Port Antonio ...	2.28	0.74	10	14	9.10
Fellowship ...	2.33	0.60	19	16	14.16
Johnson River Bridge ...	0.70	0.35	7	8	3.59
Shrewsbury ...	2.17	0.50	25	9	20.13
Cedar Valley, St. Thos. ...	0.40	0.40	7	1	4.46
Hope Bay ...	1.34	0.34	19	9	...
Moy Hall, St. Thos. ...	..	...	...	..	..
Brooklodge ...	0.30	0.23	6	3	..
Lennox ...	..	...	...	...	...
Farm Hill ...	0.00	0.00	...	..	6.96
Hill Gardens ...	0.86	0.50	7	3	7.09
Buff Bay ...	1.31	0.38	27	12	10.22
Vinery ...	..	...	...	..	...
Windsor Castle, Port. ...	...	...	...	...	...
Greenvale, Portland ...	2.07	1.06	25	5	21.07
Mt. Holstein ...	0.94	0.36	7	6	14.03
Irish Town ...	0.00	...	...	..	2.51
Rose Hill ...	0.37	0.37	7	1	..
Hardware Gap ...	0.40	...	...	...	4.95
Stony Hill Ind. School ...	0.13	0.10	7	3	3.30
Castleton Gardens ...	0.73	0.40	31	4	8.87
Lawrence Tavern ...	0.77	0.49	7	2	1.95
Cedar Valley, Red Hills ...	0.59	0.43	7	3	...
Zion Hill ...	1.37	1.05	7	2	...
Agualta Vale ...	1.06	0.30	7	9	7.20
Water Valley ...	3.68	0.95	8	11	9.14
Platfield ...	...	...	...	...	...
Richmond, St. Mary ...	1.27	0.59	7	7	6.18
Highgate ...	1.34	0.67	7	3	...
Hampstead, St. Mary ...	1.85	0.58	7	8	10.30
Guy's Hill ...	1.27	0.60	9	3	...
Lucky Hill ...	1.17	0.87	7	5	...
Rio Hoe ...	1.16	0.77	7	2	5.47
Unity Valley ...	1.09	0.91	7	4	4.69
Moneague ...	1.14	1.00	7	3	4.18
Claremont ...	0.68	0.48	7	2	6.12
Albion, St. Ann ...	0.63	0.40	7	4	5.15
Averham Park ...	0.76	0.29	7	3	6.88
Mean ...	1.27	...	...	...	

NORTHERN DIVISION.	JAN., 1918. Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In	In.			In.
Port Maria ...	1.68	0.54	27	6	6.72
Ocho Rios ...	0.45	0.20	28	3	5.42
Bogue, Ocho Rios ...	0.96	0.50	28	5	...
Rockfield ...	1.14	0.51	8	6	...
Drax Hall ...	1.20	0.40	28	4	4.84
Liberty Hill ...	0.84	0.44	27	2	7.23
St. Ann's Bay ...	1.03	0.40	26	3	5.01
Seville ...	0.80	0.40	26	3	5.61
Richmond Estate ...	...	...	...	...	...
Llandovery ...	0.63	0.22	6	3	6.62
Runaway Bay ...	0.70	0.30	7	3	...
Brown's Town ...	0.93	0.50	7	3	5.41
Alexandria ...	0.72	0.72	7	1	...
Watt Town, St. Ann ...	0.92	0.50	7	3	...
Home Castle ...	0.50	0.25	7	3	5.39
Richmond Pen ...	1.10	0.45	3	3	3.48
Mahogany Hall ...	0.47	0.29	7	2	4.76
Barnstaple ...	...	...	...	...	...
Bryan Castle ...	0.60	0.25	26	3	4.66
Braco ...	0.35	0.15	26	4	4.17
Arcadia ...	0.75	0.30	26	4	4.38
Lancaster ...	0.45	0.25	7	4	4.59
Harmony Hall ...	0.41	0.27	7	4	3.97
Vale Royal ...	0.35	0.13	4	3	4.94
Colchis Pen ...	0.08	0.08	3	1	3.29
Swanswick ...	...	...	...	...	...
Georgia ...	0.62	0.30	27	3	3.96
Long Pond ...	...	...	...	...	...
Duncans ...	...	...	...	...	...
Hyde Hall ...	...	...	...	..	..
Steelfield ...	..	...	...	...	...
Etingdon ...	...	...	...	...	...
Lottery ...	0.45	0.25	7	3	3.78
Falmouth ...	0.43	0.30	3	3	3.60
Florence Hall ...	...	...	...	...	...
Good Hope ...	0.45	0.25	3	3	...
Unity ...	...	...	...	...	...
Kent ...	...	...	...	...	...
Canaan ...	0.23	0.15	3	2	3.08
Content ...	...	...	...	...	...
Guilsbro ...	0.61	0.51	3	4	...
Glasgow ...	0.50	0.50	3	1	...
Moor Park ...	...	...	...	...	...
Spring Estate ...	0.37	0.37	3	1	4.87
Montego Bay ...	0.27	0.20	3	2	2.92
Catherine Hall ...	0.37	0.29	3	2	3.71
Friendship ...	0.89	0.45	3	2	...
Retirement ...	0.66	0.38	3	2	...
King Gate ...	0.50	0.50	3	1	3.94
Blue Hole ...	0.57	0.47	4	2	...
Haughton Court ...	0.45	0.45	3	1	2.34
Lucea ...	0.51	0.29	3	3	3.07
Green Island ..	0.22	0.20	2	2	...
CENTRAL SUB-DIVISION.					
Rio Magno ...	0.60	0.60	7	1	...
Headworks, Rio Cobre ...	1.52	1.40	7	3	1.84
Linstead ...	1.42	1.36	7	2	...
Berkshire Hall ...	1.19	1.16	7	3	2.96
Point Hill ...	1.40	1.30	7	2	...
Ballas Gate ..	2.81	1.21	15	6	...
Worthy Park ...	...	...	...	...	...
Croft Hill ...	0.82	0.50	7	2	1.85
Chapelton ...	1.25	1.06	7	3	2.24
Danks Works ...	1.26	0.76	7	3	1.84
Savoy House ...	0.99	0.65	7	4	2.29
Crooked River ...	0.53	0.30	7	2	...
Trout Hall ...	1.88	0.83	18	3	..
Frankfield ...	1.52	0.76	8	2	..
Mean	0.70	...	...	...	...

WEST-CENTRAL DIVISION.	JAN., 1918. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
itney ...	...	...	...	...	...
;ho, Clarendon ...	1.20	1.20	7	1	2.30
ldings ...	1.10	0.89	7	4	...
ı-y-bryn ...	0.97	0.64	7	7	...
kenhurst ...	...	...	...	...	...
istiana ...	0.74	0.57	7	3	2.35
ıdleigh ...	0.91	0.67	7	4	2.42
oter's Hill ...	0.75	0.53	7	5	1.96
:zbergen ...	...	...	...	...	...
ıdal, Manchester ...	1.01	0.77	7	2	2.39
'shalls Pen ...	1.22	0.68	7	5	2.87
ıdeville ...	1.11	0.49	7	9	3.04
lton, Mandeville ...	1.35	0.70	7	6	3.04
: Hill ...	1.48	1.00	7	2	...
'field, Manchester ...	0.85	0.62	7	7	2.61
; Gully ...	...	...	...	...	...
;er Spring ...	0.57	0.32	7	2	3.06
:eman's Hall ...	0.00	...	...	...	...
ert Town ...	0.74	0.74	7	1	3.20
;e River ...	0.00	...	..	...	3.08
y ...	0.45	0.45	6	1	2.25
ıdsor Pen, Trel. ...	0.35	0.20	3	2	3.13
lina ..	0.48	0.48	7	1	...
;clava Police Station...	1.34	0.50	18	6	1.71
ah ...	1.80	1.20	18	5	3.08
ıleton Estate ...	1.64	0.98	18	3	2.59
;gotty ...	1.55	0.93	18	4	2.72
ers ...	2.28	1.05	18	5	...
milly Pen ...	1.60	0.60	3	1	...
ng Vale ...	0.42	0.42	3	1	...
land ...	..	...	...	...	...
ho, Catadupa ...	...	..	...	...	...
ngfield, St. Elizabeth	0.85	0.55	18	2	...
ıterfield, St. James ...	0.21	0.21	4	1	...
ıdupa Rly. Station ...	..	...	...	...	...
ıpshot	0.83	0.35	7	4	3.98
ıbridge, St. James ..	0.22	0.15	3	2	...
ketts ...	0.00	...	...	...	...
' Market, Police St. ...	0.59	0.25	3	4	...
Bog, New Market ...	1.25	0.75	18	4	...
' Park ...	0.46	0.31	3	2	...
ıtpelier ..	...	..	...	...	...
ıt Ground ...	0.47	0.35	4	2	...
ckalva ..	0.50	0.30	18	3	...
ıble ...	...	...	...	...	...
rsville ...	0.73	0.33	22	6	2.25
iston ...	0.70	0.33	18	3	2.93
fields ...	0.52	0.30	3	3	3.20
thorn ...	0.49	0.26	19	6	1.97
er Works Pen ...	1.15	0.47	3	5	...
ıt Valley, Han. ...	0.80	0.80	3	1	...
abelle, Westm. ...	0.46	0.44	3	2	...
ıge Hill ...	0.95	0.85	8	6	1.82
's Vale Police St. ...	0.37	0.23	3	2	3.26
Mean ...	0.90	...	...	...	...

SOUTHERN DIVISION.	JAN., 1918. 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. ...	0.64	0.28	6	6	4.30
Elliott Hill ...	0.71	0.21	7	11	...
Pleasant Hill ...	0.34	0.18	21	3	...
East Prospect ...	0.91	0.40	6	7	4.08
Morant Bay ...	0.47	0.18	21	4	2.70
Easington ...	0.64	0.35	7	3	1.64
Bull Bay ...	0.58	0.48	7	2	0.87
Bellevue ...	0.64	0.29	6	4	...
Gordon Town ...	0.00	...	...	...	2.08
Hope Gardens ...	...	...	...	...	...
King's House Gardens ...	0.00	...	...	...	...
Melrose ...	0.26	0.26	8	1	...
Halfway Tree ...	0.30	0.30	7	1	1.12
Lunatic Asylum ...	0.18	0.18	7	1	0.72
Glenmore Road ...	0.26	0.22	7	4	...
Kingston P. W. Office ...	0.58	0.55	7	3	1.02
Plumb Point L. H. ...	0.05	0.05	7	1	1.80
Clifton Pen ...	0.67	0.52	7	2	...
Quarantine Station ...	2.05	1.95	7	2	...
Spanish Town ...	2.04	1.64	7	3	...
Hog Hole, St. Catherine...	1.36	1.16	7	2	1.71
Hartlands ...	0.77	0.70	7	2	1.78
Belmont, Guanaboa Vale	...	...	...	...	...
Old Harbour ...	0.70	0.50	7	3	...
May Pen ...	0.86	0.40	7	5	1.26
Happy Hut ...	0.80	0.50	7	2	...
Dunkley's, Vere ...	0.95	0.78	7	3	1.33
Dry River " ...	0.93	0.75	7	3	1.57
Denbigh ...	0.00	...	...	...	1.59
Toll Gate ...	0.82	0.70	7	2	...
Woodleigh ...	0.00	...	...	...	...
New Yarmouth ...	1.07	0.95	7	2	1.20
Exeter, Vere ...	0.85	0.60	7	4	...
Rhymesbury ...	...	...	...	...	...
Milk River ...	0.81	0.44	7	2	1.50
Clarendon Pk. Ry. St. ...	0.31	0.26	7	4	2.64
Retrieve ...	1.57	0.80	7	8	...
Hog Hole, S. Manch. ...	1.07	0.55	7	3	...
Stone's Hope ...	1.09	0.79	7	3	2.68
Newport, Manchester ...	1.34	0.73	7	10	2.66
Great Valley, Man. ...	1.44	0.56	7	8	2.49
Alligator Pond ...	0.15	0.10	7	2	1.41
Southfield, St. Elizabeth ...	0.64	0.37	7	5	...
Lititz ...	1.27	1.00	7	4	...
Torrington ...	1.24	1.09	7	2	2.31
Bethlehem, St. Eliz. ...	0.95	0.76	7	4	2.52
Santa Cruz ...	0.31	0.25	7	2	2.83
Pedro Plains Police St. ...	0.31	0.20	7	2	2.04
Mountainside ...	0.66	0.43	7	2	...
Black River ...	0.86	0.50	23	4	1.63
Font Hill ...	1.00	0.50	7	3	1.88
Mount Edgecombe ...	0.90	0.56	22	6	2.04
Sweet River ...	0.44	0.13	18	4	1.82
Windsor, Sav.-la-mar ...	0.03	0.03	3	1	1.83
Orchard ...	0.44	0.14	4	3	...
Sav.-la-mar ...	0.87	0.75	20	4	1.62
Little London ...	0.13	0.13	3	1	...
Retreat ...	0.66	0.48	3	2	1.57
Negril Point L.H. ...	0.21	0.08	3	6	1.34
Mean ...	0.66	...	...	...	...

NOTES.

COMPARATIVE TABLE OF RAINFALL.
(Based upon the "Average" Stations only.)

DIVISIONAL AND ISLAND RAINFALL.	JAN. 1918.	JAN. Average.
	In.	In.
North-Eastern Division ...	1.27	7.15
Northern ,, ...	0.70	3.77
West-Central ,, ...	0.90	2.85
Southern ,, ...	0.66	1.81
The Island ...	0.88	3.90

The Island rainfall was about one-fourth the average. The heaviest falls were 3.68 and 3.62 inches at Water Valley and Moore Town; both in the N.E. division. Irish Town, in that division, and two or three stations in both the West-central and Southern divisions had no rain.

The very low temperature of 56.9° was recorded in Kingston on the morning of Jan. 2nd; the lowest recorded was 56.7° on December 4th, 1887.

MAXWELL HALL,
Government Meteorologist.

Montego Bay P.O.

SHOCKS OF EARTHQUAKE IN JAN., 1918.

Date.	Standard Time (Approx.)	Intensity.	Notes: where felt, etc.
	hr. min.		
	No earthquakes this month.		

KINGSTON TEMPERATURES.
FOR THE YEARS 1908 TO 1917 INCLUSIVE.

These temperatures were all taken at the residence of Mr. J. F. Brennan, 148½ East Street, 108 feet above sea-level; and a full account of the instruments and the exposure will be found in W. R. No. 389.

The former table of temperatures based on observations made between 1881 and 1898*, published in *The Meteorology of Jamaica* and the annual volumes of *The Handbook of Jamaica*, were not all taken at the same place, and there was some doubt as to the exposure of the screen in the Parade Gardens so that the following new temperatures are to be preferred.

Month.	Mean.	7 a.m.	3 p.m.	Max.	Min.	Highest Max.	Lowest Min.
	°	°	°	°	°	°	°
January ...	75.6	69.2	81.5	85.9	67.6	91.0	59.7
February ...	75.4	69.0	81.6	85.9	67.3	91.4	61.1
March ...	76.7	71.2	82.7	86.5	68.3	91.8	62.1
April ...	78.1	74.6	82.8	87.0	70.2	93.5	64.5
May ...	79.8	77.5	83.7	87.8	72.3	93.8	65.8
June ...	81.0	78.2	84.8	89.1	73.6	95.2	68.5
July ...	81.2	77.6	85.7	90.2	73.4	95.3	68.1
August ...	81.0	77.4	85.0	90.0	73.7	95.0	69.9
September ...	80.6	77.0	84.4	89.7	73.5	95.2	69.4
October ...	79.5	75.4	83.0	88.6	72.9	94.9	68.3
November ...	77.8	73.1	82.1	86.6	71.4	92.7	62.4
December ...	76.5	70.6	82.1	86.3	69.0	91.9	61.8
Means for 10 years ...	78.6	74.2	83.3	87.8	71.1	93.5	65.1

This table requires but little explanation; the 7 a.m. 3 p.m. max and min., are the means for each month during the 10 years; the second column gives similarly the mean daily temperatures, or the mean temperature for the 24 hours, deduced from the Jamaica formula:—Add together the 7 a.m. 3 p.m. max. and min., temperatures, subtract 2° from their sum, and divide the remainder by 4. The two last columns give the highest and lowest temperatures recorded in any January, February, March, &c., during the 10 years. The two columns are therefore different to the two last columns in Table V in *The Meteorology of Jamaica*, p. 40; but in all respects the tables closely agree; the mean daily temperature from the 18 years observations was 78.8°; the mean daily temperature from the last 10 years observations was 78.6°; and the difference is apparently due to the difference of elevation.

* The Weather Service was disestablished between April, 1899 and July, 1907.

Between 1881 and 1898 inclusive the absolute highest and lowest temperatures were 96.7° and 56.7°; between 1908 and 1917 inclusive they were 95.3° and 59.7°, the former being recorded on the 28th July, 1914 and the latter on the 27th January, 1910.

JAMAICA TEMPERATURES AND THE SOLAR CYCLE.

In W. R. No. 275 the Kingston temperatures between 1881 and 1898 inclusive were very carefully considered and a break was found in the 7 a.m. readings:—"From 1881 to 1889 the mean is 75.5°; from 1890 to 1898 the mean is 73.7°. During the first nine years the screen was as well exposed as possible; during the last nine years the screen was moved to the Parade Gardens, which had been recently planted with ornamental shrubs of all kinds. Of late years* these shrubs have grown into trees, and gave anxiety as to the exposure of the screen; but it appears that the exposure was bad at first, and has not become worse with the growth of the trees. But it is to be noticed that the daily Max. temperatures, which occur shortly after noon, are in no way affected by the ornamental shrubs or trees; the sun is then vertical or nearly so, and of course the screen is exposed to its full blaze. When we look down the Max. column we are surprised to find that the two lowest results occur in 1884 and 1893 near the times of the sun-spot Max., and that the highest result occurs in 1889 at the time of the sun-spot Min. These effects are reproduced in the mean temperature column; but without doubt we ought to look to the mean of the daily Max. throughout the year to show any variation in the intensity of the solar radiation."

Now the mean 7 a.m. reading between 1908 and 1917 is 74°.2, or about midway between the two former results; and in consequence of these systematic differences in the 7 a.m. readings, and the small resulting differences in the mean for the 24 hours deduced by means of the formula given above, it appears that we should follow the conclusion arrived at some years ago, and simply use the daily Max. to show any small variation there may be in Solar radiation."

Year.	Mean Max.		Solar cycle.
1881	87.2		
2	86.4		
3	86.8	86.7°	Max.
4	86.3		
5	86.9		
6	(89.0)		
7	88.3		
8	88.9		
9	89.5	88.4	Min.
1890	87.9		
1	87.5		
2	86.7		
3	86.5		
4	86.8	86.9	Max.
5	87.5		
6	87.8		
7	87.8	87.5	Mean.
1898	86.9		
1908	88.2		
1909	87.2	87.5	Mean.
1910	87.0		
1	89.1		
2	88.2		
3	87.7	88.5	Min.
4	89.1		
5	87.7		
6	86.7	86.8	Max.
1917	86.9		

These Max. temperatures have not been "smoothed" in any way but they have been grouped together about the times of Solar Max and Min., and the results from the last 10 years fully confirm the results from the former 18 years. The whole work may be considered as follows:—

Solar cycle.	Max temps.
	°
Max	86.7
	86.9
	86.8
Mean	87.5
	87.5
Min.	88.4
	88.5

These results could not have been obtained unless the temperature and climate had been wonderfully uniform, and unless great care had been taken with regard to exposure and instrumental corrections.

And finally the variation of Solar radiation as shown by the Max. thermometer is only 1°.6, and therefore so small as to hardly affect meteorological conditions.

M. H.
8.2.18

* Written in 1902.

Meteorological Results for the year 1917.

Negril Pt. Light House. Mean Meteorological results for the year 1917. Elevation, 33 feet.

Month.	Barometer.		Temperature.						Extremes for the Month.			Dewpoint and humidity.				Rain-fall.	Wind Miles per day.
	7 a.m.	3 p.m.	Mean.	7 a.m.	3 p.m.	Max.	Min.	Range.	7 a.m.	3 p.m.	Range	7 a.m.		3 p.m.			
	in.	in.	°	°	°	°	°	°	°	°	°	°		°		in.	
January ..	30.031	29.977	74.8	68.9	81.6	84.5	66.2	18.3	87.1	60.8	26.3	63.9	84	67.9	64	1.09	203
February ..	30.066	30.024	74.2	68.5	81.1	83.4	65.9	17.5	87.5	61.0	26.5	68.2	81	67.3	63	0.57	228
March ..	30.028	29.981	74.7	70.0	80.5	84.1	66.0	18.1	87.1	62.9	24.2	64.7	83	69.7	69	2.51	197
April ..	29.932	29.892	77.2	74.5	82.2	85.0	69.2	15.8	88.4	64.5	23.9	68.4	81	69.9	66	0.35	214
May ..	29.938	29.890	79.6	78.5	83.1	86.3	72.6	13.7	90.2	68.6	21.6	70.0	76	72.2	70	3.75	260
June ..	29.955	29.927	79.7	77.9	83.8	86.4	72.5	13.9	90.5	69.6	20.9	71.3	80	74.6	74	7.55	183
July ..	29.975	29.939	80.3	78.2	83.8	88.3	72.9	15.4	91.5	69.1	22.4	70.1	76	73.4	71	5.93	196
August ..	29.967	29.937	79.0	77.6	81.6	86.8	72.1	14.7	88.8	70.0	18.8	71.0	80	73.4	76	12.07	163
September ..	29.896	29.860	79.5	77.3	83.5	86.2	73.1	13.1	89.5	70.4	19.1	71.6	82	73.4	71	7.33	272
October ..	29.916	29.861	79.0	76.1	83.7	86.6	71.6	15.0	89.7	69.6	20.1	70.6	82	74.7	74	4.59	177
November ..	29.931	29.877	77.5	74.8	81.2	83.6	72.4	11.2	87.2	68.4	18.8	68.7	82	70.2	70	3.12	277
December ..	29.957	29.899	75.5	71.2	81.1	83.4	68.1	15.3	85.8	62.5	23.3	66.3	85	67.9	65	0.90	241
Means ..	29.966	29.922	77.6	74.5	82.3	85.4	70.2	15.2	88.6	66.5	22.1	68.7	81	71.2	69	..	218
Total ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	49.76	

Mean results, *continued.*

Month.	Wind from and miles per hour.						Clouds in tenths of the Sky.						Weather Conditions.
	7 a.m.		3 p.m.		11 p.m.		Lower.		Middle.		Upper.		
							7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	
		mls.		mls.		mls.							
January	NE	8.0	WSW	10.4	NE	8.1	1.5	1.3	0.4	5.0	1.1	0.3	Fine 9, Fair 1, Overcast 7, Cloudy 7, Rain 7, L on 24 and 25, Th. on 25th. Rainfall below average.
February	NE	8.0	Var.	13.0	ENE	8.1	1.5	0.7	1.9	4.8	0.0	0.0	Fine 9, Cloudy 10, Overcast 6, and Rain on 4 days, L. on 26th, T. on 27th, Norther 2nd and 3rd. Brisk N. winds 4th-6th. Rainfall below average. Earthquake on 20th N. W. and S. E. direction.
March	ENE	8.0	SW	11.3	ENE	7.0	1.3	4.5	0.4	4.0	0.3	0.0	Fine 1, Cloudy 11, Overcast 8 and Rain on 11 days, T and L. on 30 and 31st. Rainfall normal.
April	E	6. 0	Var.	12.0	ENE	8.2	1.3	1.0	1.7	4.7	2.0	1.8	Fine 5, Cloudy 14, Overcast 6 and Rain on 5 days, T or L on a few days. Rainfall below average.
May	ENE	8.3	SSE	13.9	E	9.0	0.7	1.6	1.4	4.9	1.5	0.8	Fine 3, Fair 1, Cloudy 10, Overcast 5 and Rain on 12 days, L. on 21,st 23rd and 25th, T. or L. on a few days, Norther 14th to 16th. Rainfall below average.
June	ENE	6.8	SE	10.2	E	5.4	1.3	2.7	0.7	5.3	6.2	0.9	Fine 1, Cloudy 7, Overcast 8, and Rain on 14 days. L. on 9 days, T or L on many days. Rainfall above average.
July	ENE	7.0	SE	10.9	ENE	5.7	0.4	3.5	0.7	5.4	4.0	0.4	Fine 1, Cloudy 7, Overcast 8, and Rain on 15 days, L. on 12 days, L. or T. on many days. Passing disturbance on 7th. Rainfall normal.
August	ENE	7.2	NNE	8.3	ENE	6.1	0.6	2.3	0.7	7.0	4.3	0.4	Overcast 5, Rain on 26 days, L. on almost every day. Rainfall nearly twice the average.
Sept.	E	9.3	SE	13.8	E	9.1	1.3	2.0	0.8	5.1	3.4	1.1	Fine 1, Cloudy 4, Overcast 6, Rain on 19 days, L. on 6 days, T or L. on many days, Storm on 23rd. Rainfall the average.
October	ENE	6.1	SE	9.8	ENE	7.5	0.5	0.0	0.0	7.0	4.6	1.5	Cloudy 12, Overcast 4, Rain on 15 days, L. on 6 days, T. or L. on a few days. Rainfall below average.
Nov.	NNE	10.4	N	13.2	NE	10.1	4.0	4.3	0.8	1.2	3.5	3.3	Fine 2, Cloudy 2, Overcast 18, Rain 8 days, L. on 1st and 15th T or L on a few days. Fresh N winds throughout the month, Northers on 8, 10 and 15 to 17, 24 to 29. Rainfall normal.
December	NE	8.9	N	12.2	NE	9.7	0.6	0.4	2.4	3.9	0.6	0.6	Fine 12, Cloudy 8, Overcast 3 and Rain on 8 days, T or L on 2 days. Rainfall below average. Norther on 1st 3rd and 29th to 31st.
Means	ENE	7.8	SSE	11.6	ENE	8.0	1.3	2.0	1.0	4.9	2.6	0.9	Rainfall for the year 49.76 is below the average (54.26) with 144 rainy days for the year.

No. 480.

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JAMAICA

WEATHER REPORT

FOR THE MONTH OF

FEBRUARY, 1918.

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.		Temperatures					Extreme Temperatures.				
		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	30.027	29.994	77.0	79.0	80.8	73.0	7.8	82.0	2*	70.0	4*	12.0
Kingston ..	24	30.004	29.958	68.3	82.3	85.0	67.6	17.4	88.8	28	64.6	21*	24.2
Negril Point Light House ..	33	30.017	29.964	70.3	80.7	84.6	67.3	17.3	88.7	15	63.2	23	25.5
Castleton Gardens ..	496	..	..	66.0	80.4	82.8	65.0	17.8	87	2	59	1*	28
Hope Gardens† ..	668	30.003	29.960	65.9	81.2	86.2	66.0	20.2	90	1*	64	1*	26
Bavinton, Stony Hill** ..	1,349	30.020	29.945	65.3	76.0	78.8	63.1	15.7	82.5	2	60.0	18	22.5
Stony Hill Indus. School ..	1,400	..	..	65.7	76.1	78.6	63.7	14.9	86	2	61	18*	25
Kempshot ..	1,773	30.004	29.964	65.9	72.6	76.2	65.5	10.7	78.8	27	62.7	9	16.1
Hill Gardens ..	4,900	25.304	25.262	60.2	61.8	65.2	53.0	12.2	68	1	51	6*	17

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	68.5	75	68.7	70	3.25	..	NE	17	NE	15	4.1	0.6	0.4	2.4	1.9	0.5
Kingston ..	24	63.6	85	67.3	61	0.52	175	N	5	SE	14	2.2	1.4	0.0	3.1	2.2	0.4
Negril Point Light House‡ ..	33	64.8	83	68.6	67	4.35	209	NE	9	Var.	12	1.1	1.2	0.8	2.1	4.1	0.2
Castleton Gardens ..	496	64.1	93	68.4	66	4.10	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens ..	668	61.3	84	65.9	69	1.07	..	..	..	..	..	..	..	..	..	..	..
Bavinton, Stony Hill ..	1,349	61.8	89	65.2	70	3.44	..	NNE	2	N	4	4.0	1.3	0.0	4.7	2.7	0.2
Stony Hill Indus. School ..	1,400	61.9	88	64.7	68	2.91	..	..	..	..	..	..	..	..	..	..	..
Kempshot ..	1,773	64.0	86	68.2	70	1.35	282	E	8	E	5	4.1	1.1	0.0	2.2	2.7	0.7
Hill Gardens ..	4,900	55.6	86	57.5	86	5.43	..	..	..	..	..	..	..	..	..	..	..

* and on other days. † Hope Gardens. **Bar. read at 9 a.m. and 3 p.m.**

‡ Negril Point Light House. Wind 11 p.m. NE by E 7.7

** Bavinton, Stony Hill. Mean Min. temp. on grass 59.1

Earth temp 1 ft. below surface 72.7

" 4ft " " 73.2

THE RAINFALL.

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending his 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.	FEB., 1918. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Manchioneal ...	5.86	1.71	4	19	6.10
Spring Valley ...	8.65	2.00	6	18	6.56
Bath ...	6.58	0.75	3	19	4.86
Priestman's River ...	5.72	0.63	6	18	...
Moore Town ...	13.84	2.00	28	17	14.18
Port Antonio ...	5.92	1.02	3	13	6.19
Fellowship ...	10.36	1.36	19	24	11.70
Johnson River Bridge ...	4.50	1.43	8	17	2.24
Shrewsbury ...	13.61	1.65	5	23	10.90
Cedar Valley, St. Thos. ...	2.27	0.42	4	11	2.76
Hope Bay ...	...	...	...	...	...
Moy Hall, St. Thos. ...	...	...	...	...	...
Brooklodge ...	1.64	0.39	4	13	...
Lennox ...	...	...	...	...	...
Farm Hill ...	7.72	1.65	20	17	3.25
Hill Gardens ...	5.43	1.27	5	16	4.05
Buff Bay ...	6.24	1.40	10	17	7.74
Vinery ...	...	...	...	...	...
Greenvale, Portland ...	13.30	3.80	5	18	10.12
Mt. Holstein ...	10.16	2.72	5	22	7.46
Irish Town ...	0.90	0.50	4	2	1.29
Rose Hill ...	5.12	1.40	20	7	...
Hardware Gap ...	3.07	...	...	...	3.45
Stony Hill Ind. School ...	2.91	0.70	20	14	2.22
Castleton Gardens ...	8.10	2.60	28	16	4.95
Lawrence Tavern ...	3.48	1.35	5	6	2.36
Cedar Valley, Red Hills ...	2.37	0.65	11	...	...
Zion Hill ...	1.98	0.50	9	13	...
Agualta Vale ...	4.60	0.85	2	16	4.44
Water Valley ...	6.34	1.55	2	22	5.05
Platfield ...	...	...	...	...	...
Richmond, St. Mary ...	3.14	1.15	2	18	5.31
Highgate ...	4.27	0.94	6	13	...
Hampstead, St. Mary ...	8.58	1.58	6	24	7.14
Guy's Hill ...	5.30	2.50	12	7	...
Lucky Hill ...	6.26	0.95	4	19	...
Rio Hoe ...	5.28	1.15	5	15	4.05
Unity Valley ...	3.80	0.77	7	17	3.60
Moneague ...	4.73	1.18	5	13	4.08
Claremont ...	3.72	1.52	5	10	4.58
Albion, St. Ann ...	3.90	1.30	5	12	3.59
Averham Park ...	4.63	0.90	12	12	4.50
Mean ...	6.20	...	...	...	...

NORTHERN DIVISION.	FEB., 1918. Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In	In.			In.
Port Maria ...	3.96	1.02	16	17	5.95
Ocho Rios ...	2.35	0.75	6	8	3.85
Bogue, Ocho Rios ...	3.78	0.50	3	17	4.59
Rockfield ...	4.37	0.91	12	21	...
Drax Hall ...	1.60	0.36	6	9	4.47
Liberty Hill ...	3.30	0.60	12	11	3.88
St. Ann's Bay ...	2.89	0.90	2	11	4.88
Seville ...	2.74	1.00	2	12	4.29
Richmond Estate ...	...	...	...	...	...
Llandovery ...	3.43	1.22	16	7	4.57
Runaway Bay ...	2.07	0.57	16	7	...
Brown's Town ...	2.74	0.92	5	9	4.74
Alexandria ...	7.54	0.91	5	3	...
Watt Town, St. Ann ...	1.10	0.70	5	4	...
Home Castle ...	2.30	0.45	6	14	3.16
Richmond Pen ...	1.95	1.40	5	4	2.18
Mahogany Hall ...	1.91	0.67	21	8	3.03
Barnstaple ...	...	...	...	...	...
Bryan Castle ...	1.75	0.40	3	9	2.32
Braco ...	1.55	0.35	3	7	2.23
Arcadia ...	2.10	0.65	3	7	2.36
Lancaster ...	1.79	0.35	26	11	2.51
Harmony Hall ...	1.88	0.50	2	14	2.23
Vale Royal ...	1.67	0.70	2	9	2.72
Colchis Pen ...	1.81	0.90	5	5	1.74
Swanswick ...	...	...	...	...	...
Georgia ...	2.03	0.65	3	10	2.56
Long Pond ...	1.21	0.60	3	6	2.74
Duncans ...	...	...	...	...	...
Hyde Hall ...	1.50	0.50	3	6	2.75
Steelfield ...	1.77	0.85	3	6	2.31
Etingdon ...	1.90	1.20	3	5	2.17
Lottery ...	1.45	0.80	2	4	2.01
Falmouth ...	1.07	0.30	3	12	1.81
Florence Hall ...	0.91	0.60	3	4	...
Good Hope ...	11.50	0.70	12	6	...
Unity ...	...	...	...	...	...
Kent ...	...	...	...	...	...
Canaan ...	2.28	1.28	4	3	2.44
Content ...	1.90	0.56	16	8	2.26
Bellfield ...	...	...	...	...	...
Guilsbro ...	1.74	0.75	4	15	...
Glasgow ...	2.06	1.00	12	6	...
Moor Park ...	...	...	...	...	...
Spring Estate ...	1.17	0.42	9	4	3.21
Montego Bay ...	0.69	0.15	12	10	2.06
Catherine Hall ...	0.73	0.16	12	7	2.02
Friendship ...	0.95	0.36	12	5	...
Retirement ...	1.22	0.70	12	6	...
King Gate ...	1.01	0.44	12	5	2.94
Blue Hole ...	...	...	...	...	...
Haughton Court ...	1.50	0.75	12	4	1.86
Lucea ...	1.59	0.91	12	7	2.16
Green Island ...	2.93	1.10	14	8	...
CENTRAL SUB-DIVISION.					
Rio Magno ...	3.14	2.00	12	6	...
Headworks, Rio Cobre ...	0.85	0.50	11	3	1.63
Linstead ...	3.10	1.15	5	10	1.96
Berkshire Hall ...	1.71	0.36	5	8	2.09
Point Hill ...	4.23	1.28	15	7	3.85
Ballas Gate ...	1.15	0.38	18	6	...
Worthy Park ...	...	...	...	...	...
Croft Hill ...	1.82	0.55	5	8	1.53
Chapelton ...	2.87	0.76	15	10	1.80
Danks Works ...	2.10	0.46	14	12	1.85
Savoy House ...	2.40	0.55	14	14	1.74
Crooked River ...	3.22	0.57	3	14	...
Trout Hall ...	2.41	0.49	15	11	...
Frankfield ...	2.54	0.60	14	7	...
Mean ...	1.98	...	...	...	...

WEST-CENTRAL DIVISION.	FEB., 1918. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Whitney ...	...	...	...	...	...
Mocho, Clarendon ...	0.89	0.45	3	3	1.77
Spaldings ...	2.98	0.81	24	16	...
Tan-y-bryn ...	4.16	1.68	15	17	...
Brokenhurst ...	3.27	0.45	16	13	2.67
Christiana ...	1.64	0.46	5	10	2.75
Chudleigh ...	1.72	0.36	7	16	2.81
Shooter's Hill ...	3.65	0.86	24	13	1.78
Spitzbergen ...	...	...	...	...	...
Kendal, Manchester ...	3.70	0.92	24	7	2.59
Marshalls Pen ...	2.49	0.48	19	7	3.74
Mandeville ...	4.22	1.32	18	15	2.87
Carlton, Mandeville ...	4.24	1.28	4	15	2.87
The Hill ...	2.20	0.90	4	10	...
Fairfield, Manchester ...	1.52	0.22	18	14	3.11
Mile Gully ...	...	...	...	...	...
Ulster Spring ...	1.40	1.30	5	2	2.76
Freeman's Hall ...	1.90	1.05	5	6	...
Albert Town ...	1.00	0.58	6	2	2.60
Lowe River ...	0.15	0.10	24	2	2.69
Troy ...	2.70	1.30	9	6	2.82
Windsor Pen, Trel. ...	0.55	0.55	5	1	2.36
Medina ...	1.16	0.53	15	4	...
Balaclava Police Station ...	1.81	0.60	10	10	2.29
Siloah ...	3.97	2.97	12	7	2.37
Appleton Estate ...	2.31	1.01	10	9	2.75
Maggotty ...	3.12	0.85	7	10	2.70
Butlers ...	...	...	...	...	...
Dromilly Pen ...	1.15	0.50	19	4	...
Spring Vale ...	0.40	0.30	12	2	...
Garland ...	...	...	...	...	...
Mocho, Catadupa ...	...	...	...	...	...
Springfield, St. Elizabeth ...	6.37	1.70	14	15	...
Chesterfield, St. James ...	4.33	0.75	6	11	...
Catadupa Rly. Station ...	...	...	...	...	...
Kempshot ...	1.35	0.82	12	9	3.00
Cambridge, St. James ...	2.98	0.65	9	10	...
Ducketts ...	3.71	1.44	8	7	...
New Market, Police St. ...	4.44	1.15	15	13	...
The Bog, New Market ...	5.70	0.80	15	15	...
Kew Park ...	3.49	1.70	9	12	2.73
Montpelier ...	1.23	0.37	5	7	...
Burnt Ground ...	1.10	0.70	14	2	...
Knockalva ...	1.07	0.37	9	10	...
Ramble ...	1.60	0.60	19	3	...
Petersville ...	6.59	2.92	15	13	2.91
Darliston ...	5.80	2.00	6	14	3.63
Bluefields ...	5.83	1.53	7	11	3.95
Whithorn ...	6.00	1.25	3	13	3.40
Water Works Pen ...	6.80	1.40	7	11	...
Great Valley, Han. ...	1.01	0.71	14	3	3.18
Fontabelle, Westm. ...	5.54	1.30	15	12	2.63
Belleisle ...	5.24	1.25	15	11	2.40
Morgan's Bridge ...	6.74	2.30	3	9	2.43
King's Vale Police St. ...	3.60	0.70	19	10	2.73
Mean ...	3.15	...	...	...	...

SOUTHERN DIVISION.	FEB., 1918. 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. ...	3.25	1.10	4	16	2.74
Elliott Hill ...	...	...	...	...	...
Pleasant Hill ...	5.42	1.75	5	10	...
East Prospect ...	5.37	1.25	4	13	1.81
Morant Bay ...	3.37	0.95	4	15	2.03
Easington ...	1.71	0.69	4	10	1.52
Bull Bay ...	0.78	0.28	6	4	0.53
Bellevue ...	1.55	0.33	4	13	...
Gordon Town ...	0.90	0.60	4	2	1.76
Widcombe ...	1.12	...	...	8	...
Hope Gardens ...	1.07	...	...	...	1.19
King's House Gardens ...	1.00	...	...	...	1.55
Melrose ...	0.93	0.18	19	8	...
Halfway Tree ...	0.64	0.21	19	5	0.88
Lunatic Asylum ...	0.65	0.15	8	8	0.54
Glenmore Road ...	0.62	0.15	8	11	...
Kingston P. W. Office ...	0.52	0.19	8	7	0.67
Plumb Point L. H. ...	0.86	0.28	8	7	0.72
Clifton Pen ...	0.50	0.25	11	3	...
Quarantine Station ...	0.24	0.17	8	2	...
Spanish Town ...	1.22	0.79	10	7	1.34
Hog Hole, St. Catherine ...	1.84	0.61	17	7	1.82
Hartlands ...	0.70	0.32	26	4	...
Belmont, Guanaboa Vale ...	...	...	...	...	...
Old Harbour ...	1.93	0.86	16	3	1.81
May Pen ...	1.80	0.70	11	7	1.26
Happy Hut ...	3.88	2.28	7	5	...
Dunkley's, Vere ...	1.76	0.85	24	6	1.17
Dry River " ...	2.61	0.99	11	5	1.02
Denbigh ...	...	...	...	...	...
Toll Gate ...	2.17	1.50	7	5	...
Woodleigh ...	...	...	...	...	...
New Yarmouth ...	...	...	...	...	...
Exeter, Vere ...	0.80	0.60	8	3	0.92
Rhymesbury ...	...	...	...	...	...
Milk River ...	0.67	0.45	9	2	1.64
Clarendon Pk. Ry. St. ...	...	...	...	...	...
Retrieve ...	1.31	0.24	4	9	...
Hog Hole, S. Manch. ...	1.85	1.10	18	7	...
Stone's Hope ...	2.41	0.51	8	8	2.22
Newport, Manchester ...	2.69	0.52	24	14	2.94
Great Valley, Man. ...	1.83	0.65	18	11	2.48
Alligator Pond ...	1.60	0.50	18	6	1.20
Southfield, St. Elizabeth ...	1.97	0.56	13	10	...
Lititz ...	1.69	1.08	18	7	...
Torrington ...	1.04	0.22	7	5	2.52
Bethlehem, St. Eliz. ...	0.94	0.32	7	8	2.55
Santa Cruz ...	2.20	0.50	10	10	2.48
Pedro Plains Police St. ...	1.10	0.50	26	7	1.43
Mountainside ...	1.11	0.44	11	7	...
Black River ...	1.74	0.94	7	5	1.78
Font Hill ...	5.10	1.90	15	10	1.38
Mount Edgecombe ...	5.16	1.48	15	14	2.48
Sweet River ...	4.28	1.00	7	11	2.32
Windsor, Sav.-la-mar ...	2.52	0.65	7	10	2.34
Orchard ...	2.94	0.62	7	10	...
Sav.-la-mar ...	3.04	0.74	15	14	2.00
Little London ...	4.47	1.46	3	11	...
Retreat ...	6.42	1.86	3	12	2.36
Negril Point L.H. ...	4.35	1.17	3	13	1.54
Mean ...	2.17	...	...	...	...

NOTES.

COMPARATIVE TABLE OF RAINFALL.

(Based upon the "Average" Stations only.)

DIVISIONAL AND ISLAND RAINFALL.	FEB. 1918.	FEB. Average.
	In.	In.
North-Eastern Division ...	6.20	5.29
Northern " ...	1.98	2.55
West-Central " ...	3.15	2.76
Southern " ...	2.17	1.67
The Island ...	3.38	3.07

SHOCKS OF EARTHQUAKE IN FEB., 1918.

Date.	Standard Time (Approx.)	Intensity.	Notes: where felt, etc.
	hr. min.		
23	6 15 a.m.	II	Mt. Holstein N.E. and S.W.

The rainfall over the Island was the average. The heaviest fall was 13.84 inches at Moore Town and the smallest 0.24 at the Quarantine Station.

MAXWELL HALL,
Government Meteorologist.

Montego Bay P.O.

Meteorological results for the year 1917.

Morant Pt. Light House. Mean results for the year 1917. Elevation, 8 feet.

Month.	Barometer.		Temperature.						Extremes for the Month.			Dewpoint and humidity.				Rain-fall.	Miles of Wind per diem.
	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.			
	in.	in.	°	°	°	°	°	°	°	°	°	°		°		ins.	
January ..	30.048	30.004	76.6	75.8	79.2	80.6	72.8	7.8	83.5	60.0	23.5	68.1	77	67.7	68	2.78	
February ..	30.078	30.044	76.4	75.7	78.8	80.6	72.7	7.9	82.0	63.5	18.5	68.4	78	67.3	68	1.32	
March ..	30.045	30.012	77.3	76.6	80.4	81.3	72.8	8.5	82.0	64.0	18.0	68.8	77	67.3	65	1.94	
April ..	29.947	29.916	77.1	76.3	80.7	83.0	70.4	12.6	85.0	63.0	22.0	68.8	77	68.0	65	2.88	201
May ..	29.957	29.923	79.9	79.3	83.1	84.7	74.6	10.1	87.5	68.0	19.5	71.3	76	70.9	69	3.00	260
June ..	29.977	29.955	80.9	80.4	83.6	85.2	76.3	8.9	87.0	71.0	16.0	73.2	79	72.7	70	6.97	270
July ..	29.994	29.975	82.0	81.6	84.3	85.8	78.2	7.6	87.0	74.0	13.0	73.1	76	73.2	70	2.05	318
August ..	29.986	29.955	81.7	81.7	84.0	86.1	77.0	9.1	87.5	71.0	16.5	73.2	75	73.6	71	5.31	250
September ..	29.923	29.890	80.9	80.5	83.4	86.0	75.6	10.4	88.0	71.0	17.0	73.3	79	73.4	72	15.59	222
October ..	29.933	29.877	81.1	80.9	84.2	86.0	75.4	10.6	87.0	70.5	16.5	72.8	76	73.3	70	1.33	
November ..	29.927	29.882	78.1	78.3	80.1	82.2	73.8	8.4	85.5	67.0	18.5	71.1	79	71.0	69	8.86	
December ..	29.960	29.916	76.4	75.9	79.0	80.7	71.9	8.8	83.5	64.5	19.0	67.0	74	68.7	71	7.33	
Total ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	59.36	..
Means ..	29.981	29.946	79.0	78.6	81.7	83.5	74.3	9.2	85.5	67.3	18.2	70.8	77	70.6	69	..	

Mean results, *continued.*

Month.	Wind from and miles per hour.				Clouds in tenths of the Sky.						Weather Conditions.
	7 a.m.		3 p.m.		Lower.		Middle.		Upper.		
					7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	
		mls.		mls.							
January	NE	16 0	NE	14 0	4 0	2 5	0 4	1.0	0.3	0 2	14 days fine and dry: 6 days passing showers.
February	NNE	14.5	NE	13.0	3.2	2.3	1.0	1.4	0.3	2.5	Norther 3rd and 4th, 20 days fine, earthquake: 18th 6.25 a.m., and 25th 2.40 p.m. 20 to 25 secs.
March	NE	15.3	ENE	14 3	4.0	1.5	1.1	2.2	0.1	0 0	Fine and dry. Dis an lightning a night on 31st.
April	Var.	8.2	ENE	11.0	2.9	2.5	0.7	1.3	0.5	0.5	Fine and dry. Thunders orm on three days, distant lightning at night on 6 days
May	NE	14.	E	14.0	3.1	1.8	1.4	1.2	0.6	0.5	Norther 16th and 17th. Distant lightning at night 6 days. Fine and dry.
June	NE	14.9	E	13.4	3 0	2.3	1.0	1.9	2.3	1.5	Thunderstorm on 2 days, distant lightning on 12 days. Rain during 1st week; then fine.
July	NE	16.0	ENE	14.0	1.6	1.5	1.8	1.3	1.5	1.4	Squally on 5 days E. gale 13th and 14th
August	NE	12.0	ENE	11.0	3.3	2.2	1.3	1.4	1.4	1.6	Thunderstorm on 8 days; squally on 12 days.
Sept.	Var.	12.0	E	13 0	3.0	2 0	1.7	2.6	1.5	0.7	Thunders orm on 2 days. Hurricane 22nd and 23rd. Rain on 24 days. Anemometer blown away.
October	NE	9.5	ENE	9.0	1.7	1.2	1.9	1.5	1.5	2.5	Fine and dry, distant lightning on 4 nights.
Nov.	Var.	19.0	N	15.0	4.9	4.3	0.7	1.9	1.6	1.7	N. gale 8th and 9th. Norther on 25th ending as NE gale on 27th.
December	NNE	14.0	NNE	14.0	5.1	3.3	0.9	1.4	0.7	0.1	Rain 18 days. Thunderstorm 1 day.
Means	NE	13.8	NE	13.0	3.1	2.3	1.2	1.6	1.0	1.1	Anemometer means not taken, being a broken period 5 months and 22 days.

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JAMAICA

WEATHER REPORT

FOR THE MONTH OF

MARCH, 1918.

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.		Temperatures.					Extreme Temperatures.				
		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	30.074	29.972	76.1	80.3	82.1	71.1	11.0	84.0	25*	64.0	23	20.0
Kingston ..	24	29.993	29.950	69.3	80.8	85.3	67.6	17.7	87.5	9*	65.3	7	22.2
Negril Point Light House ..	33	29.998	29.946	69.3	81.6	84.1	66.6	17.5	87.5	5	62.6	10	24.9
Castleton Gardens ..	496	..	..	64.9	78.2	85.1	64.0	21.1	88	24	59	8	29
Hope Gardens† ..	668	30.070	29.095	67.0	75.9	85.0	65.5	19.5	89	2	59	11	30
Bavinton, Stony Hill** ..	1,349	30.001	29 944	65.6	73.8	78.4	63.4	15.0	81.5	2*	60.5	8	21.0
Stony Hill Indus. School ..	1,400	..	..	65.9	73.5	78.5	63.7	14.8	83	2*	61	27	22
Kempshot ..	1,773	29.989	29.944	67.0	72.6	78.8	65.5	13.3	82.3	24	63.3	10	19.0
Hill Gardens ..	4,900	25.296	25.253	61.6	62.6	65.8	52.7	13.1	67	4*	50.0	27	17

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	68.2	76	68.4	67	2.52	..	NE	10.5	ENE	10.5	2.0	1.6	0.2	1.4	2.5	0.4
Kingston ..	24	64.6	85	68.0	66	1.02	170	N	4.6	SE	13.2	1.0	0.2	0.3	4.6	2.1	0.6
Negril Point Light House‡ ..	33	65.7	87	69.1	66	4.27	174	ENE	7.0	Var.	0.9	0.6	0.1	1.0	1.8	6.0	0.0
Castleton Gardens ..	496	62.5	93	69.0	73	5.94	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens ..	668	61.9	84	65.8	71	4.69	..	..	..	..	..	..	..	..	..	..	..
Bavinton, Stony Hill ..	1,349	62.2	89	64.8	73	12.66	..	N	1.1	NE	3.0	1.6	1.2	0.8	5.5	3.2	0.2
Stony Hill Indus. School ..	1,400	61.6	86	65.6	76	11.27	..	..	..	..	..	..	..	..	..	..	..
Kempshot ..	1,773	64.8	84	69.0	75	6.79	137	E	5.4	Var.	2.4	0.9	0.6	0.6	3.1	3.1	2.0
Hill Gardens ..	4,900	56.7	83	59.2	87	7.63	..	..	..	..	..	..	..	..	..	..	..

* 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 5.7
** Bavinton, Stony Hill. Mean Min. temp. on grass 58.9
Earth temp. 1 ft. below surface 73.0
" 4ft. " " 72.9

THE RAINFALL.

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending his 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.	MAR., 1918. Total Fall.	Greatest fall in 24 hours. Amount	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Manchioneal ...	2.71	0.57	5	9	3.26
Spring Valley ...	4.67	0.87	14	14	...
Bath ...	2.09	0.34	13	13	4.57
Priestman's River ...	1.33	0.44	14	6	...
Moore Town ...	5.99	1.20	6	9	10.97
Port Antonio ...	2.30	0.45	3	10	4.90
Fellowship ...	4.33	0.81	14	16	8.09
Johnson River Bridge ...	1.24	0.24	3	16	2.59
Shrewsbury ...	3.02	0.65	2	13	11.31
Cedar Valley, St. Thos. ...	3.90	1.42	25	7	3.30
Moy Hall, St. Thos. ...	...	...	...	..	..
Brooklodge ...	4.98	1.72	22	7	..
Lennox ...	...	...	...	...	...
Farm Hill ...	8.86	2.90	15	7	5.01
Hill Gardens ...	6.78	1.21	30	16	5.19
Buff Bay ...	2.22	1.30	12	9	5.79
Vinery ...	...	...	...	...	...
Greenvale, Portland ...	5.24	2.13	10	7	11.74
Mt. Holstein ...	10.01	1.57	10	21	9.53
Irish Town ...	4.52	1.06	2	7	2.61
Rose Hill ...	16.28	3.00	26	16	..
Hardware Gap ...	9.80	...	...	...	4.50
Stony Hill Ind. School ...	11.27	2.62	14	21	2.99
Castleton Gardens ...	5.94	1.12	31	16	4.93
Lawrence Tavern ...	9.91	2.60	17	14	2.69
Cedar Valley, Red Hills ...	9.57	2.58	25	14	...
Zion Hill ...	6.50	1.09	17	17	...
Agualta Vale ...	1.29	0.31	26	10	5.30
Water Valley ...	2.10	0.75	9	7	3.39
Richmond, St. Mary ...	1.53	0.42	26	12	5.75
Highgate ...	0.59	0.27	10	4	...
Hampstead, St. Mary ...	1.69	0.94	8	7	6.07
Guy's Hill ...	5.18	1.36	20	12	...
Lucky Hill ...	3.07	1.50	18	10	...
Rio Hoe ...	2.86	1.80	15	9	3.64
Unity Valley ...	4.65	2.65	15	12	3.64
Moneague ...	4.15	2.35	15	10	3.03
Claremont ...	3.35	1.90	15	5	3.43
Albion, St. Ann ...	5.64	2.40	15	8	3.61
Averham Park ...	3.19	1.00	18	6	3.81
Mean —	4.66	...	—	...	—

NORTHERN DIVISION.	MAR., 1918. Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In	In.			In.
Port Maria ...	1.67	0.63	12	8	3.19
Ocho Rios ...	1.85	0.60	12	5	3.54
Bogue, Ocho Rios ...	1.90	0.50	12	6	4.58
Rockfield ...	2.58	0.72	18	13	...
Drax Hall ...	1.32	0.40	9	8	3.21
Liberty Hill ...	1.36	0.48	18	4	5.00
St. Ann's Bay ...	2.30	0.75	8	6	2.40
Seville ...	1.15	0.55	8	4	3.07
Richmond Estate ...	1.49	0.39	12	6	2.63
Llandovery ...	1.60	0.42	12	5	2.80
Runaway Bay ...	0.22	0.22	3	1	...
Brown's Town ...	3.64	1.02	18	8	2.99
Alexandria ...	4.61	1.68	17	5	...
Watt Town, St. Ann ...	4.80	3.17	26	10	...
Home Castle ...	0.95	0.30	18	4	2.56
Richmond Pen ...	8.23	3.65	26	10	2.42
Mahogany Hall ...	3.19	2.25	21	11	2.57
Barnstaple ...	...	...	...	...	...
Bryan Castle ...	0.90	0.50	19	2	1.88
Braco ...	0.40	0.25	18	2	1.62
Arcadia ...	1.50	0.77	18	3	1.84
Lancaster ...	0.30	0.10	18	3	1.92
Harmony Hall ...	0.23	0.10	19	3	1.74
Vale Royal ...	1.92	1.11	15	3	2.28
Colchis Pen ...	2.92	0.74	15	10	2.02
Swanswick ...	...	...	...	..	...
Georgia ...	0.75	0.65	14	2	2.01
Long Pond ...	0.91	0.54	15	2	...
Duncans ...	...	...	...	...	...
Hyde Hall ...	0.80	0.60	15	2	..
Steelfield ...	0.98	0.70	15	2	...
Etingdon ...	1.25	1.25	15	1	...
Lottery ...	0.90	0.35	15	4	2.00
Falmouth ...	1.23	1.00	28	3	1.76
Florence Hall ...	0.47	0.35	18	2	2.04
Good Hope ...	...	...	...	...	...
Unity ...	...	...	...	...	...
Kent ...	...	...	...	...	...
Canaan ...	2.52	1.98	26	5	2.23
Content ...	2.45	1.45	26	4	...
Guilsbro ...	4.40	1.65	26	14	1.77
Glasgow ...	2.40	1.75	26	3	...
Moor Park ...	...	...	...	...	...
Spring Estate ...	2.63	2.00	26	3	1.94
Montego Bay ...	4.00	1.60	26	9	1.58
Catherine Hall ...	4.67	1.55	26	7	1.94
Friendship ...	6.75	2.17	26	9	...
Retirement ...	9.27	2.87	19	12	...
King Gate ...	8.51	2.22	19	12	3.18
Blue Hole ...	2.32	0.70	14	7	...
Haughton Court ...	1.50	0.90	14	6	2.47
Lucea ...	1.16	0.55	19	8	2.33
Green Island ..	5.28	2.10	14	8	...
CENTRAL SUB-DIVISION.					
Rio Magno ...	4.44	1.28	20	9	...
Headworks, Rio Cobre ...	4.88	0.78	16	17	2.84
Linstead ...	6.12	3.30	14	11	...
Berkshire Hall ...	4.11	1.93	15	9	2.96
Point Hill ...	5.51	1.06	15	11	...
Bellas Gate ..	2.23	0.92	16	4	...
Worthy Park ...	...	...	...	...	...
Croft Hill ...	2.76	1.55	24	12	3.19
Chapelton ...	7.95	2.78	30	9	2.70
Danks Works ...	7.71	1.63	29	15	3.26
Savoy House ...	7.63	1.73	30	15	4.07
Crooked River ...	10.72	2.05	29	14	..
Trout Hall ...	8.25	2.90	29	13	..
Frankfield ...	5.84	2.14	29	10	..
Mean ...	2.59	...	...	..	...

WEST-CENTRAL DIVISION.	MAR., 1918. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Whitney ...	..	..	..	..	...
Mocho, Clarendon ...	...	...	...	...	...
Spaldings ...	8.24	1.72	25	17	...
Tan-y-bryn ...	11.65	2.79	25	18	...
Brokenhurst ...	5.15	2.10	15	5	2.70
Christiana ...	9.16	1.81	30	16	4.06
Chudleigh ...	11.20	2.18	30	14	4.22
Shooter's Hill ...	6.21	1.20	23	14	3.25
Spitzbergen ...	..	...	...	...	...
Kendal, Manchester ...	9.86	2.35	30	8	3.44
Marshalls Pen ...	7.99	1.96	23	12	4.86
Mandeville ...	10.38	2.63	30	15	4.28
Carlton, Mandeville ...	12.40	3.70	23	15	4.28
The Hill ...	9.59	2.50	23	12	...
Fairfield, Manchester ...	7.53	1.67	23	19	3.84
Mile Gully ...	...	...	..	...	...
Ulster Spring ...	14.75	2.50	19	14	3.40
Freeman's Hall ...	24.97	3.90	19	15	..
Albert Town ...	11.69	1.45	26	14	4.33
Lowe River ...	17.50	3.50	18	15	6.51
Troy ...	9.05	1.85	30	10	6.17
Windsor Pen, Trel. ...	6.04	1.80	15	16	3.07
Medina ...	13.32	2.47	25	12	...
Balaclava Police Station...	13.81	2.32	22	19	4.74
Siloah ...	17.90	3.15	15	18	5.68
Appleton Estate ...	18.55	3.26	14	20	5.47
Maggotty ...	20.15	3.50	17	22	5.80
Butlers ...	22.18	2.93	21	21	...
Dromilly Pen ...	4.00	1.25	19	11	...
Spring Vale ...	2.26	1.65	19	6	2.92
Garland ...	..	...	...	...	...
Mocho, Catadupa ...	...	..	...	...	...
Springfield, St. Elizabeth	22.58	2.80	17	21	...
Chesterfield, St. James ...	20.32	3.00	17	22	...
Catadupa Rly. Station ...	..	...	...	...	...
Kempshot ...	6.79	2.01	26	13	3.00
Cambridge, St. James ...	9.10	1.53	26	14	...
Ducketts ...	15.20	1.87	26	16	...
New Market, Police St. ...	17.08	1.97	26	25	...
The Bog, New Market ...	17.57	2.07	6	24	...
Kew Park ...	20.36	3.50	15	21	4.10
Montpelier ...	6.70	2.80	16	9	...
Burnt Ground ...	10.94	2.80	14	18	4.19
Knockalva ...	17.46	3.08	15	21	...
Ramble ...	17.25	3.00	27	11	...
Petersville ...	15.24	4.29	16	19	5.18
Darliston ...	14.70	2.20	19	25	6.54
Bluefields ...	11.11	3.22	16	10	8.24
Whithorn ...	9.50	2.46	16	20	5.87
Water Works Pen ...	11.12	2.25	16	19	...
Great Valley, Han. ...	10.91	3.77	19	9	3.79
Fontabelle, Westm. ...	13.20	2.60	6	16	3.94
Belleisle ...	11.70	2.05	6	16	4.75
Grange Hill ...	15.89	3.20	17	18	3.94
King's Vale Police St. ...	10.15	1.80	17	16	4.98
Mean ...	11.68	...	...	...	...

SOUTHERN DIVISION.	MAR., 1918. 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. ...	2.52	0.80	20	18	2.11
Elliott Hill ...	1.94	0.28	15	18	...
Pleasant Hill ...	1.64	0.53	28	9	..
East Prospect ...	2.70	1.20	15	11	2.30
Morant Bay ...	1.25	0.75	15	6	1.79
Easington ...	1.64	0.65	25	5	2.94
Bull Bay ...	1.50	1.70	27	4	0.34
Bellevue ...	3.94	1.07	22	15	...
Gordon Town ...	4.05	1.25	2	18	1.54
Widcombe ...	5.64	...	...	16	...
Hope Gardens ...	4.60	...	...	...	1.90
King's House Gardens ...	3.67	1.20	14	4	1.26
Melrose ...	2.31	0.94	14	9	...
Halfway Tree ...	1.22	0.61	14	4	1.06
Lunatic Asylum ...	1.86	1.21	16	7	0.97
Glenmore Road ...	1.13	0.54	16	9	...
Kingston P. W. Office ...	1.02	0.62	16	5	1.05
Plumb Point L. H. ...	0.63	0.36	30	2	0.91
Clifton Pen ...	1.35	0.90	16	3	...
Quarantine Station ...	0.33	0.13	22	2	...
Spanish Town ...	3.08	1.54	12	7	...
Hog Hole, St. Catherine...	2.68	0.62	12	9	2.12
Hartlands ...	1.31	0.40	26	5	1.74
Belmont, Guanaboa Vale	8.55	2.57	18	11	...
Old Harbour ...	5.85	2.50	15	8	...
May Pen ...	7.49	1.65	29	11	2.01
Happy Hut ...	10.50	2.05	25	10	...
Dunkley's, Vere ...	5.69	2.12	30	6	1.49
Dry River " ...	1.94	0.96	30	7	1.83
Denbigh ...	...	...	...	...	...
Toll Gate ...	7.05	2.60	29	10	...
Woodleigh ...	9.60	2.40	25	11	...
New Yarmouth ...	2.42	0.85	24	4	1.26
Exeter, Vere ...	...	...	...	...	...
Rhymesbury ...	...	...	...	...	...
Milk River ...	2.19	1.50	29	4	1.66
Clarendon Pk. Ry. St. ...	...	..	...	...	...
Retrieve ...	2.28	1.00	16	9	...
Hog Hole, S. Manch. ...	5.97	1.50	16	10	...
Stone's Hope ...	5.13	1.91	15	7	2.64
Newport, Manchester ...	7.12	1.80	15	11	3.03
Great Valley, Man. ...	8.29	1.80	23	16	2.28
Alligator Pond ...	6.06	1.32	15	12	1.73
Southfield, St. Elizabeth ...	7.05	2.30	8	10	...
Lititz ...	6.91	2.58	23	11	...
Torrington ...	8.45	2.00	29	15	3.47
Bethlehem, St. Eliz. ...	7.03	1.65	29	16	4.25
Santa Cruz ...	7.17	3.45	19	20	4.26
Pedro Plains Police St. ...	1.53	.66	8	8	2.34
Mountainside ...	8.11	3.00	23	13	...
Black River ...	5.48	1.89	16	12	2.59
Font Hill ...	7.45	0.95	26	13	4.09
Mount Edgecombe ...	5.10	0.96	25	18	4.10
Sweet River ...	5.31	1.30	19	15	3.54
Windsor, Sav.-la-mar ...	5.12	1.30	25	15	2.90
Orchard ...	6.03	1.82	25	16	...
Sav.-la-mar ...	4.07	0.84	17	15	2.63
Little London ...	6.64	1.27	28	12	...
Retreat ...	9.54	1.80	24	13	3.28
Negril Point L.H. ...	4.27	1.15	20	14	2.34
Mean ...	4.36	...	...	...	...

NOTES.

COMPARATIVE TABLE OF RAINFALL.
(Based upon the "Average" Stations only.)

DIVISIONAL AND ISLAND RAINFALL.	MAR. 1918.	MAR. Average.
	In.	In.
North-Eastern Division ...	4.66	4.61
Northern ,, ...	2.59	2.36
West-Central ,, ...	11.68	4.18
Southern ,, ...	4.36	2.22
The Island ...	5.82	3.34

SHOCKS OF EARTHQUAKE IN MAR., 1918.

Date.	Standard Time (Approx.)	Intensity.	Notes: where felt, etc.
	hr. min.		
No earthquake this month.			

In the west-central division the rains were very heavy. 20 to 25 inches falling at several places. On the other hand there was but little rain on the northern shores of the Island.

CORRIGENDA.—W.R. No. 480 p. 2 ; N. div. Alexandria. For 7.54 read 1.54.
Good Hope. For 11.50 read 1.50.
P. 3 W.C. div. Brokenhurst, For 3.27 read 3.54.

MAXWELL HALL,
Government Meteorologist.

Montego Bay P.O.

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Weather Bureau

No. 482.

JAMAICA

WEATHER REPORT

FOR THE MONTH OF

APRIL, 1918.

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 diurnal 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, nimbus: and the Upper clouds, cirro-stratus.

METEOROLOGICAL RESULTS.

Stations.	Elevation of Bar.	Bar. Pressure.		Temperatures.					Extreme Temperatures.				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Mean.	Mean Min.	Range.	Max.	Date.	Min.	Date.	Range
	ft.	in.	in.	°	°	°	°	°	°		°		
Morant Pt. Light House ..	8	29.944	29.898	77.8	81.5	83.6	73.5	10.1	86.0	10	62.0	6	30.0
Kingston ..	24	29.927	29.878	73.2	82.2	86.1	70.4	15.7	88.4	7	67.4	1	21.0
Negril Point Light House ..	33	29.925	29.877	73.3	82.3	85.2	69.9	15.3	89.3	15	67.0	22	22.3
Castleton Gardens ..	496	..	..	66.6	80.9	84.3	65.5	18.8	88	5	61	1	27
Hope Gardens† ..	668	29.909	29.892	74.4	81.9	85.0	67.7	17.3	89	25*	65	8*	23
Bavinton, Stony Hill** ..	1,349	29.937	29.879	68.4	76.4	80.5	65.1	15.4	83.5	26	61.0	1	22.5
Stony Hill Indus. School ..	1,400	..	..	67.6	75.9	80.0	66.0	15.0	84	7	63	1	21
Kempshot ..	1,773	29.932	29.876	69.0	73.8	79.2	67.3	11.9	82.8	19	60.0	3	22.8
Hill Gardens ..	4,900	25.027	25.019	61.9	63.0	66.0	54.9	11.1	67	13*	52.0	3	14

Stations.	Elevation.	Dew Point and Humidity. 7 a.m.		Dew Point and Humidity. 3 p.m.		Rainfall.	Wind per diem.	Wind: direction from and miles per hour. 7 a.m.		Wind: direction from and miles per hour. 3 p.m.		Amount of Cloud. Lower, Middle and Upper. 7 a.m.			Amount of Cloud. Lower, Middle and Upper. 3 p.m.		
	ft.	°		°		in.	miles.		m.		m.	L.	M.	U.	L.	M.	U.
Morant Pt. Light House ..	8	70.4	78	69.1	66	6.63	230	NE	10.6	ENE	10.2	3.0	1.3	0.4	2.5	1.3	0.6
Kingston ..	24	68.3	85	70.3	68	3.16	199	N	3.6	SE	14.6	1.0	1.1	0.8	3.4	3.0	0.5
Negril Point Light House‡ ..	33	68.3	83	71.2	68	6.19	209	E	7.1	Var.	11.3	1.5	0.1	1.0	1.6	5.6	0.0
Castleton Gardens ..	496	64.6	93	70.9	71	4.92	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens ..	668	63.8	81	70.0	67	3.21	..	..	..	..	..	..	..	..	..	..	..
Bavinton, Stony Hill ..	1,349	64.8	89	68.2	76	4.50	..	NNE	1.1	S	3.9	1.8	0.9	1.3	5.1	3.2	0.4
Stony Hill Indus. School ..	1,400	63.7	88	68.4	77	4.47	..	..	..	..	..	..	..	..	..	..	..
Kempshot ..	1,773	66.3	81	70.9	79	11.25	132	E	4.8	ENE	3.0	0.9	0.1	2.1	4.7	2.2	0.2
Hill Gardens ..	4,900	58.7	59	60.0	89	2.59	..	..	..	..	..	..	..	..	..	..	..

* 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 7.3
** Bavinton, Stony Hill. Mean Min. temp on grass 61.5
Earth temp 1 ft. below surface 75.3
" 4ft. " " 74.0

THE RAINFALL.

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending his 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.	APRIL, 1918. Total Fall.	Greatest fall in 24 hours. Amount	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Manchioneal ...	10.25	1.77	11	21	6.32
Spring Valley ...	11.44	2.20	11	19	10.70
Bath ...	7.18	2.34	11	17	5.65
Priestman's River ...	7.79	2.50	11	11	...
Moore Town ...	9.69	2.30	30	20	9.77
Port Antonio ...	5.64	2.04	17	16	6.27
Fellowship ...	7.76	2.69	16	14	9.24
Johnson River Bridge ...	6.13	2.81	11	19	4.38
Shrewsbury ...	8.07	4.00	16	11	5.33
Cedar Valley, St. Thos. ...	5.46	0.50	12	6	3.94
Moy Hall, St. Thos. ...	..	...	...	..	..
Brooklodge ...	2.87	0.96	7	9	..
Lennox ...	..	...	...	...	...
Farm Hill ...	1.06	0.90	12	2	5.19
Hill Gardens ...	2.59	0.50	21	11	6.09
Buff Bay ...	3.36	1.65	16	10	5.73
Belvedere ...	5.65	1.30	16	12	...
Greenvale, Portland ...	9.10	2.33	16	10	8.68
Mt. Holstein ...	4.65	1.12	8	14	6.00
Irish Town ...	3.61	2.05	21	4	5.11
Rose Hill ...	10.94	2.38	9	11	..
Hardware Gap ...	10.10	...	...	...	5.86
Stony Hill Ind. School ...	4.47	0.66	10	18	5.24
Castleton Gardens ...	4.92	0.70	30	17	6.80
Lawrence Tavern ...	7.14	1.50	22	13	4.24
Cedar Valley, Red Hills ...	8.92	2.06	9	...	...
Zion Hill ...	..	...	...	...	...
Agualta Vale ...	4.56	1.18	8	12	4.95
Water Valley ...	3.79	0.58	9	10	4.44
Richmond, St. Mary ...	4.98	1.46	13	10	4.54
Highgate ..	5.22	2.10	19	11	...
Hampstead, St. Mary ...	5.15	2.58	9	7	6.18
Guy's Hill ...	6.23	1.55	25	11	...
Lucky Hill ...	7.76	3.23	9	10	...
Rio Hoe ...	7.24	1.92	11	12	4.38
Unity Valley ...	6.58	2.35	9	13	4.61
Moneague ...	5.24	1.99	9	10	4.04
Claremont ...	6.30	1.60	11	9	3.80
Albion, St. Ann ...	9.04	3.40	9	14	4.38
Averham Park ...	5.36	1.80	9	9	4.73
Mean ...	6.13	...	...	...	...

NORTHERN DIVISION.	APRIL, 1918. Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In	In.			In.
Port Maria ...	3.90	1.95	7	6	3.88
Ocho Rios ...	0.85	0.30	11	5	2.83
Bogue, Ocho Rios ...	3.03	1.25	11	7	6.60
Rockfield ...	3.80	0.65	9	13	...
Drax Hall ...	3.00	1.17	9	7	3.21
Liberty Hill ...	2.33	0.52	25	8	4.02
St. Ann's Bay ...	2.83	0.60	25	9	3.06
Seville ...	2.04	0.70	11	7	2.79
Richmond Estate ...	1.26	0.30	25	6	3.38
Llandovery ...	1.35	0.50	25	4	3.39
Runaway Bay ...	0.70	0.30	25	4	...
Brown's Town ...	5.29	1.58	8	9	3.28
Alexandria ...	5.94	1.72	9	7	...
Watt Town, St. Ann ...	8.44	2.47	8	10	...
Home Castle ...	2.52	0.80	12	7	3.23
Richmond Pen ...	5.99	1.85	8	9	3.47
Mahogany Hall ...	4.07	1.57	8	7	...
Barnstaple ...	...	...	...	...	...
Bryan Castle ...	1.85	1.40	12	4	2.12
Braco ...	1.90	1.00	12	6	2.21
Arcadia ...	2.85	2.10	12	5	2.28
Lancaster ...	2.74	1.25	13	6	2.26
Harmony Hall ...	2.07	1.25	13	6	2.07
Vale Royal ...	3.31	1.10	12	8	2.84
Colchis Pen ...	6.17	2.05	10	6	3.08
Swanswick ...	...	...	...	..	...
Georgia ...	3.23	1.50	12	8	...
Long Pond ...	...	..	...	..	...
Duncans ...	...	...	...	...	...
Hyde Hall ...	...	...	...	...	..
Steelfield ...	..	..	...	...	...
Etingdon ...	..	..	...	..	...
Lottery ...	1.80	0.60	9	4	2.30
Falmouth ...	5.27	1.57	9	5	2.20
Florence Hall ...	4.06	1.40	9	4	...
Good Hope ...	5.88	1.75	12	8	...
Unity ...	...	...	...	...	...
Kent ...	...	...	...	...	...
Canaan ...	8.51	2.30	13	12	3.62
Content ...	...	...	...	...	...
Bellfield ..	...	...	...	...	...
Guilsbro ...	10.56	2.68	13	17	3.25
Glasgow ...	6.05	1.15	25	10	...
Moor Park ...	...	...	...	...	...
Spring Estate ...	4.34	2.25	13	6	2.08
Montego Bay ...	3.17	1.81	27	11	3.71
Catherine Hall ...	3.47	1.90	27	10	2.93
Friendship ...	4.32	1.45	13	10	...
Retirement ...	7.10	1.88	13	10	...
King Gate ...	11.91	2.95	9	10	3.70
Blue Hole ...	8.58	3.10	13	10	...
Haughton Court ...	5.80	1.45	17	11	3.67
Lucea ...	8.83	3.10	17	11	4.07
Green Island ..	4.57	1.24	25	9	..
CENTRAL SUB-DIVISION.					
Rio Magno ...	9.68	2.50	18	9	...
Headworks, Rio Cobre ...	5.19	1.90	7	9	3.62
Linstead ...	4.83	1.16	23	10	4.43
Berkshire Hall ...	8.59	1.73	13	13	2.40
Point Hill ...	5.13	1.24	18	8	6.07
Bellas Gate ..	4.00	1.09	16	7	...
Worthy Park ...	...	...	...	...	...
Croft Hill ...	3.34	1.25	11	12	4.70
Chapelton ...	6.42	2.20	11	10	3.57
Danks Works ...	6.36	2.28	11	11	4.69
Savoy House ...	6.38	2.05	11	13	4.09
Crooked River ...	5.45	1.60	11	17	..
Trout Hall ...	7.44	2.00	11	15	..
Frankfield ...	10.24	3.14	9	12	..
Mean ...	4.55	...	...	..	...

WEST-CENTRAL DIVISION.	APRIL, 1918. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Whitney ...	...	...	...	...	...
Mocho, Clarendon ...	3.42	1.75	11	5	...
Spaldings ...	6.45	2.34	9	15	...
Tan-y-bryn ...	3.40	0.83	9	18	...
Brokenhurst ...	2.25	1.75	12	4	5.25
Christiana ...	5.12	1.15	8	14	8.10
Chudleigh ...	3.48	0.79	9	18	5.91
Shooter's Hill ...	2.92	1.07	9	12	5.14
Spitzbergen ...	...	...	...	...	...
Kendal, Manchester ...	3.02	1.70	9	5	7.44
Marshalls Pen ...	2.28	1.46	9	7	5.90
Mandeville ...	3.04	1.37	11	11	5.96
Carlton, Mandeville ...	3.43	1.56	11	10	5.96
The Hill ...	...	...	...	...	...
Fairfield, Manchester ...	3.07	1.07	9	10	6.46
Mile Gully ...	...	...	...	...	...
Ulster Spring ...	15.00	5.00	8	9	6.20
Freeman's Hall ...	14.42	2.40	28	13	...
Albert Town ...	10.04	3.90	9	5	6.48
Lowe River ...	10.86	3.25	8	9	5.78
Troy ...	11.62	2.65	17	13	9.62
Windsor Pen, Trel. ...	8.23	1.65	27	15	6.10
Medina ...	10.73	1.91	9	10	...
Balaclava Police Station ...	18.39	5.20	13	20	9.66
Siloah ...	14.24	3.65	13	18	9.16
Appleton Estate ...	14.23	2.30	13	19	9.67
Maggotty ...	14.62	3.46	13	14	9.39
Butlers ...	11.71	2.15	23	14	...
Dromilly Pen ...	9.88	3.20	8	13	...
Spring Vale ...	10.50	3.00	23	10	5.44
Garland ...	...	...	...	...	...
Mocho, Catadupa ...	...	...	...	...	...
Springfield, St. Elizabeth ...	18.89	3.10	23	19	...
Chesterfield, St. James ...	20.76	3.51	22	18	...
Catadupa Rly. Station ...	...	...	...	...	...
Kempshot ...	11.25	3.48	13	15	5.54
Cambridge, St. James ...	10.16	3.55	23	13	...
Ducketts ...	6.93	1.44	22	10	...
New Market, Police St. ...	8.74	1.92	17	20	...
The Bog, New Market ...	20.69	4.14	13	16	...
Kew Park ...	8.58	1.65	22	15	8.27
Montpelier ...	8.38	1.60	24	14	...
Burnt Ground ...	7.27	2.75	17	13	5.28
Knockalva ...	6.48	1.42	8	18	...
Ramble ...	12.62	2.25	8	14	...
Petersville ...	17.44	3.70	23	21	7.35
Darliston ...	14.55	2.44	22	24	11.40
Bluefields ...	14.68	2.64	13	16	8.00
Whithorn ...	10.82	3.05	22	19	7.98
Water Works Pen ...	12.25	3.25	22	20	...
Great Valley, Han. ...	...	...	...	...	...
Fontabelle, Westm. ...	10.62	4.15	22	14	...
Belleisle ...	7.69	2.96	22	15	...
Morgan's Bridge ...	13.20	4.50	22	19	6.14
King's Vale Police St. ...	6.51	1.60	20	10	5.90
Mean ...	9.31	...	...	...	...

SOUTHERN DIVISION.	APRIL, 1918. 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. ...	6.63	2.66	11	17	2.99
Elliott Hill ...	7.41	2.52	11	21	...
Pleasant Hill ...	6.75	2.41	11	12	...
East Prospect ...	5.39	2.40	11	13	5.71
Morant Bay ...	4.85	2.85	11	8	2.55
Easington ...	1.39	0.39	23	10	1.73
Bull Bay ...	1.29	0.55	12	3	0.85
Bellevue ...	3.21	1.00	21	13	...
Gordon Town ...	1.48	1.00	28	2	3.32
Widcombe ...	3.05	...	...	12	...
Hope Gardens ...	3.21	...	...	...	2.84
King's House Gardens ...	2.33	0.94	10	6	2.48
Melrose ...	1.82	1.07	10	5	...
Halfway Tree ...	2.15	0.76	8	5	1.63
Lunatic Asylum ...	3.96	2.20	21	8	1.07
Glenmore Road ...	4.18	2.04	8	9	...
Kingston P. W. Office ...	3.16	1.25	8	7	1.01
Plumb Point L. H. ...	5.10	1.56	10	6	0.99
Clifton Pen ...	3.87	1.95	8	4	...
Quarantine Station ...	1.45	0.80	11	2	...
Spanish Town ...	0.75	0.72	10	2	2.30
Hog Hole, St. Catherine ...	3.25	1.25	10	9	2.90
Hartlands ...	2.17	1.15	10	3	2.25
Belmont, Guanaboa Vale ...	6.85	2.55	9	12	...
Old Harbour ...	4.80	1.28	21	9	2.87
May Pen ...	2.02	0.65	16	8	2.92
Happy Hut ...	2.00	1.20	9	4	...
Dunkley's, Vere ...	3.63	0.91	9	14	2.16
Dry River " ...	2.30	0.70	10	8	3.25
Denbigh ...	...	...	...	...	...
Toll Gate ...	6.64	2.05	11	11	...
Woodleigh ...	...	...	...	...	...
New Yarmouth ...	3.72	0.83	9	9	2.31
Exeter, Vere ...	...	...	...	...	...
Rhymesbury ...	...	...	...	...	...
Milk River ...	1.02	0.34	10	5	2.25
Clarendon Pk. Ry. St. ...	...	...	...	...	...
Retrieve ...	4.74	1.32	11	11	...
Hog Hole, S. Manch. ...	5.75	1.54	11	10	...
Stone's Hope ...	6.39	2.09	27	6	4.13
Newport, Manchester ...	4.46	1.90	11	11	4.96
Great Valley, Man. ...	3.94	0.97	11	14	4.05
Alligator Pond ...	...	...	...	...	...
Southfield, St. Elizabeth ...	3.89	1.20	11	9	...
Lititz ...	2.46	0.96	11	10	...
Torrington ...	5.51	1.47	21	9	4.53
Bethlehem, St. Eliz. ...	8.03	2.30	21	12	6.30
Santa Cruz ...	14.84	3.76	28	19	9.34
Pedro Plains Police St. ...	4.91	1.43	21	10	2.22
Mountainside ...	8.51	1.90	30	15	...
Black River ...	4.50	1.22	21	14	4.18
Font Hill ...	9.90	2.60	13	11	4.40
Mount Edgecombe ...	16.14	5.14	13	19	5.40
Sweet River ...	11.12	3.05	22	15	5.70
Windsor, Sav.-la-mar ...	15.58	3.94	22	15	4.99
Orchard ...	13.22	4.12	22	18	...
Sav.-la-mar ...	11.80	2.50	22	14	5.29
Little London ...	10.22	2.35	22	12	...
Retreat ...	10.66	1.85	24	14	5.07
Negril Point L.H. ...	6.19	1.80	22	16	3.03
Mean ...	5.52	...	...	...	...

NOTES.

COMPARATIVE TABLE OF RAINFALL.
(Based upon the "Average" Stations only.)

DIVISIONAL AND ISLAND RAINFALL.	APRIL.	
	1918.	Average.
	In.	In.
North-Eastern Division ...	6.13	5.31
Northern ,, ...	4.55	3.05
West-Central ,, ...	9.31	7.13
Southern ,, ...	5.52	3.24
The Island ...	6.38	4.68

SHOCKS OF EARTHQUAKE IN APRIL, 1918.

Date.	Standard Time (Approx.)	Intensity.	Notes: where felt, etc.
	hr. min.		
No earthquake this month.			

In the West-central division the rains were heavy. 16 to 20 inches falling at several places. Over the rest of the Island the rainfall was about the average.

CORRIGENDA.—W.R. No. 481, Mar. 1918; p. 3. W. C. div.
New Market. For 17.08 read 16.18
p. 4. S. div.
Santa Cruz For 7.17 read 17.17.

MAXWELL HALL,
Government Meteorologist.

Montego Bay P.O.

No. 483.

OCT - 2 1918

JAMAICA

WEATHER REPORT

FOR THE MONTH OF

MAY, 1918.

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.		Temperatures.					Extreme Temperatures.				
		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	29.954	29.921	79.2	80.7	83.3	74.1	9.2	85.5	31	71.5	9	14.0
Kingston ..	24	29.935	29.899	75.0	80.5	86.3	71.2	15.1	90.6	17	68.6	14	22.0
Negril Point Light House ..	33	29.940	29.899	73.8	81.2	85.5	70.3	15.2	87.7	17	66.7	5	21.0
Castleton Gardens ..	496	..	..	69.4	79.1	82.4	68.5	13.9	87	2*	65	14	22
Hope Gardens† ..	668	29.987	29.937	71.7	80.3	84.7	68.7	16.0	88	31	..	..	..
Bavinton, Stony Hill** ..	1,349	29.945	29.889	68.9	75.5	79.8	66.2	13.6	84.0	2	64.0	11*	20.0
Stony Hill Indus. School ..	1,400	..	..	68.2	74.4	78.8	65.8	13.0	85.0	31	64.0	11*	21.0
Kempshot ..	1,773	29.942	29.909	69.6	72.3	77.5	67.8	9.7	80.8	25	65.7	5	15.1
Hill Gardens ..	4,900	25.274	25.225	62.7	63.7	67.0	56.0	11.0	71	2*	55	3*	16

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	71.6	78	71.5	74	10.74	300	NE	13.5	NE	14.0	3.3	2.1	1.1	3.8	1.7	1.0
Kingston ..	24	70.3	85	71.8	75	3.44	167	NNE	5.0	SE	10.9	2.2	0.8	2.5	5.9	1.2	2.2
Negril Point Light House‡ ..	33	68.6	75	70.9	71	8.07	174	NE	8.0	Var.	9.3	2.3	0.4	2.9	3.2	5.7	0.1
Castleton Gardens ..	496	67.4	93	72.3	79	15.55	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens ..	668	64.1	75	69.8	71	11.86	..	..	..	..	..	..	..	..	..	..	..
Bavinton, Stony Hill ..	1,349	67.9	93	69.5	80	11.15	..	NNE	1.0	NNE	2.4	3.4	1.2	1.3	6.0	2.4	0.4
Stony Hill Indus. School ..	1,400	66.1	93	69.1	83	10.32	..	..	..	..	..	..	..	..	..	..	..
Kempshot ..	1,773	67.3	83	69.8	81	8.20	175	E	7.6	E	4.4	2.0	0.6	2.1	2.4	3.8	2.3
Hill Gardens ..	4,900	60.3	89	61.3	90	16.38	..	..	..	..	..	..	..	..	..	..	..

* and on other days. † Hope Gardens. Bar. read at 9 a.m. and 3 p.m.

‡ Negril Point Light House. Wind 11 p.m. ENE 7.0

** Bavinton, Stony Hill. Mean Min. temp on grass 63.8

Earth temp 1 ft. below surface 76.2

" 4ft. " " 75.0

THE RAINFALL.

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending his 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.	MAY, 1918. Total Fall.	Greatest fall in 24 hours. Amount	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Manchioneal ...	22.49	6.37	22	25	14.77
Spring Valley ...	26.84	6.95	22	25	10.67
Bath ...	16.52	4.70	22	26	12.75
Priestman's River ...	31.82	7.56	10	20	...
Moore Town ...	65.46	10.00	12	27	16.95
Port Antonio ...	27.26	5.93	22	24	16.66
Fellowship ...	42.61	8.08	22	29	20.85
Johnson River Bridge ...	12.03	4.62	22	20	9.52
Shrewsbury ...	24.38	8.09	22	24	11.94
Cedar Valley, St. Thos. ...	8.48	4.20	21	12	9.33
Brooklodge ...	8.41	4.34	22	14	...
Farm Hill ...	17.30	4.90	22	11	6.57
Hill Gardens ...	16.38	2.98	22	21	10.71
Chepstowe ...	21.06	3.80	5	19	...
Spring Garden ...	17.16	5.40	22	22	...
Buff Bay ...	17.29	3.30	22	22	8.15
Belvedere ...	15.08	3.80	22	22	...
Greenvale, Portland ...	23.30	4.95	22	22	8.01
Mt. Holstein ...	15.31	1.90	22	24	8.14
Irish Town ...	14.59	2.90	22	14	5.27
Rose Hill ...	18.35	4.30	22	15	...
Hardware Gap ...	19.46	...	...	...	12.57
Stony Hill Ind. School ...	10.82	3.02	22	24	9.73
Castleton Gardens ...	15.55	3.16	31	21	12.04
Lawrence Tavern ...	13.09	2.70	22	20	9.12
Cedar Valley, Red Hills ...	16.40	2.85	22	21	...
Zion Hill ...	12.40	2.65	22	24	...
Agualta Vale ...	12.33	2.78	22	21	4.55
Water Valley ...	10.22	2.45	22	22	7.86
Richmond, St. Mary ...	9.35	2.93	5	16	7.54
Highgate ...	9.22	3.40	5	13	...
Hampstead, St. Mary ...	8.02	1.55	22	20	7.31
Guy's Hill ...	8.09	1.90	5	14	...
Lucky Hill ...	8.48	1.35	22	18	...
Rio Hoe ...	8.24	1.39	22	19	8.48
Unity Valley ...	11.54	2.75	16	...	9.99
Moneague ...	13.18	2.05	25	20	8.26
Claremont ...	6.94	1.50	10	12	7.34
Albion, St. Ann ...	9.85	1.86	18	20	8.46
Averham Park ...	8.92	1.87	10	10	8.25
Mean ...	17.51	...	...	...	...

NORTHERN DIVISION.	MAY, 1918. Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In	In.			In.
Port Maria ...	9.30	2.48	22	20	6.61
Ocho Rios ...	5.20	1.13	22	13	5.20
Bogue, Ocho Rios ...	7.92	1.95	12	17	5.12
Rockfield ...	10.41	2.25	7	24	...
Drax Hall ...	8.94	2.60	12	15	7.10
Liberty Hill ...	10.01	1.76	18	16	3.21
St. Ann's Bay ...	9.97	2.20	12	21	5.64
Seville ...	..	..	..	..	...
Richmond Estate ...	10.01	1.45	10	22	7.42
Llandovery ...	8.87	1.48	9	13	7.11
Runaway Bay ...	4.28	1.08	2	16	...
Brown's Town ...	7.74	1.12	5	11	7.23
Alexandria ...	12.15	3.08	18	11	...
Watt Town, St. Ann ...	13.08	2.20	18	18	...
Home Castle ...	6.20	1.30	2	12	6.13
Richmond Pen ...	9.79	1.40	29	15	7.76
Mahogany Hall ...	...	...	...	...	...
Barnstaple ...	...	...	...	...	...
Bryan Castle ...	5.15	1.25	2	8	5.49
Braco ...	4.45	1.40	2	11	4.90
Arcadia ...	8.15	2.20	10	10	4.98
Lancaster ...	6.34	1.65	2	11	5.40
Harmony Hall ...	5.76	1.50	2	11	4.88
Vale Royal ...	5.93	1.27	2	12	6.34
Colchis Pen ...	...	..	...	...	...
Swanswick ...	...	...	...	..	...
Georgia ...	...	...	...	...	...
Long Pond ...	7.68	1 60	29	12	...
Hyde Hall ...	5.10	1.50	29	4	...
Steelfield ...	6.22	1.06	2	10	..
Etingdon ...	3.35	1.15	2	5	...
Lottery ...	3.40	1.10	2	10	6.35
Falmouth ...	2.50	0.67	22	12	5.19
Florence Hall ...	1.82	0.69	22	3	...
Good Hope ...	9.18	2.62	16	14	...
Unity ...	...	...	...	...	...
Kent ...	...	...	...	...	...
Canaan ...	9.24	2.00	12	14	7.55
Content ...	5.74	1.08	22	13	...
Guilsbro ...	11.34	2.30	20	24	8.61
Glasgow ...	10.05	4.50	12	12	...
Spring Estate ...	2.65	0.68	12	10	4.96
Montego Bay ...	5.80	1.28	23	13	7.60
Catherine Hall ...	5.09	0.89	23	11	7.94
Friendship ...	5.99	1.30	16	11	..
Retirement ...	7.22	1.42	16	16	...
King Gate ...	10.80	5.34	16	8	9.18
Blue Hole ...	3.74	1.30	30	6	...
Haughton Court ...	2.00	0.45	22	10	8.03
Lucea ...	2.87	7.56	22	12	8.09
Green Island ..	7.54	2.00	30	12	...
CENTRAL SUB-DIVISION.					
Rio Magno ...	5.99	1.80	3	11	...
Headworks, Rio Cobre ...	10.66	2.90	22	14	7.71
Linstead ...	14.34	3.00	19	17	9.64
Berkshire Hall ...	9.50	2.20	11	16	5.43
Point Hill ...	16.15	4.15	28	9	12.80
Bellas Gate ...	4.53	1.80	22	8	...
Worthy Park ...	...	...	...	...	...
Croft Hill ...	12.49	3.73	18	15	5.65
Chapelton ...	10.10	1.75	22	14	8.47
Danks Works ...	10.03	2.19	18	18	9.22
Savoy House ...	9.94	1.56	22	17	8.03
Crooked River ...	10.75	2.62	19	15	..
Trout Hall ...	12.51	2.21	12	21	..
Frankfield ...	12.39	2.71	12	11	..
Mean ...	7.96	...	...	...	...

WEST-CENTRAL DIVISION.	MAY, 1918. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Whitney ...	...	...	..	..	...
Mocho, Clarendon ...	11.17	1.50	13	13	12.49
Spaldings ...	12.66	2.75	18	22	...
Tan-y-bryn ...	14.27	2.54	10	21	...
Brokenhurst ...	10.97	1.70	6	19	10.02
Christiana ...	15.78	3.75	19	18	11.50
Chudleigh ...	15.88	3.83	19	21	8.35
Shooter's Hill ...	11.93	1.98	19	20	6.59
Spitzbergen ...	..	...	...	...	...
Kendal, Manchester ...	14.55	2.61	19	14	10.16
Marshalls Pen ...	11.35	4.28	19	16	10.02
Mandeville ...	11.37	1.90	14	24	11.17
Carlton, Mandeville ...	10.82	1.40	14	21	11.17
The Hill ...	...	...	..	...	...
Fairfield, Manchester ...	12.41	2.97	19	22	7.87
Ulster Spring ...	26.91	3.00	19	14	11.61
Freeman's Hall ...	17.72	2.30	20	17	...
Albert Town ...	20.15	2.00	6*	14	10.55
Lowe River ...	26.66	3.14	25	23	8.69
Troy ...	16.06	2.10	16	17	17.69
Windsor Pen, Trel. ...	11.80	2.20	13	15	10.96
Medina ...	10.94	1.62	19	14	...
Balaclava Police Station...	12.89	2.66	19	19	14.41
Siloah ...	22.50	3.40	6	22	15.02
Appleton Estate ...	23.56	4.70	6	25	13.02
Maggotty ...	17.60	2.51	27	18	14.85
Butlers ...	15.47	2.10	7	19	...
Dromilly Pen ...	11.11	2.25	11	16	...
Spring Vale ...	16.63	2.50	11	18	13.57
Garland ...	..	...	..	...	...
Mocho, Catadupa ...	...	..	...	...	...
Springfield, St. Elizabeth ...	22.35	4.20	28	20	...
Chesterfield, St. James ...	19.83	2.00	11	25	...
Catadupa Rly. Station ...	..	...	...	...	...
Kempshot ...	8.20	1.94	16	21	10.37
Cambridge, St. James ...	10.68	1.62	31	19	...
Ducketts ...	16.64	1.18	26	22	...
New Market, Police St. ...	14.65	3.34	28	19	...
The Bog, New Market ...	18.06	3.10	12	25	...
Kew Park ...	...	...	...	...	...
Montpelier ...	8.32	1.27	23	17	...
Burnt Ground ...	9.81	1.25	19	22	15.44
Knockalva ...	11.61	1.48	21	22	...
Ramble ...	13.81	3.00	18	11	...
Petersville ...	17.28	2.07	20	22	12.19
Darliston ...	18.48	1.86	10	22	16.91
Bluefields ...	11.96	1.54	13	28	11.70
Whithorn ...	13.50	1.80	17	20	14.88
Water Works Pen ...	14.12	2.15	15	21	...
Great Valley, Han. ...	8.84	2.00	17	10	14.22
Fontabelle, Westm. ...	21.71	3.75	17	23	9.36
Belleisle ...	16.17	2.10	25	23	11.61
Morgan's Bridge ...	24.30	2.20	12	21	12.36
King's Vale Police St. ...	9.22	1.32	30	18	9.76
Mean ...	15.50	...	...	...	...

SOUTHERN DIVISION.	MAY, 1918. 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. ...	10.74	4.58	22	21	10.76
Elliott Hill ...	16.47	4.55	23	28	...
Pleasant Hill ...	14.10	4.11	22	19	...
East Prospect ...	19.62	6.57	22	18	7.74
Morant Bay ...	12.17	4.45	22	19	8.00
Easington ...	7.59	2.92	22	15	6.33
Bull Bay ...	3.13	2.20	22	5	4.13
Bellevue ...	12.01	3.60	23	19	...
Gordon Town ...	14.32	3.15	22	15	8.23
Widcombe ...	12.01	2.50	23	19	...
Hope Gardens ...	..	...	...	...	...
King's House Gardens ...	3.40	1.00	14	5	6.38
Melrose ...	7.28	2.06	26	17	...
Halfway Tree ...	9.41	2.49	22	17	4.87
Lunatic Asylum ...	3.55	2.50	22	10	3.57
Glenmore Road ...	4.23	2.69	22	14	...
Kingston P. W. Office ...	3.44	2.61	22	7	4.63
Plumb Point L. H. ...	5.13	3.20	22	9	4.80
Clifton Pen ...	7.10	3.35	22	11	...
Quarantine Station ...	4.22	3.10	22	7	...
Spanish Town ...	9.93	2.67	22	12	5.77
Hog Hole, St. Catherine...	7.42	2.41	22	12	6.79
Hartlands ...	9.55	3.30	22	8	4.34
Belmont, Guanaboa Vale ...	10.55	3.00	22	23	...
Old Harbour ...	7.01	2.60	22	13	5.78
May Pen ...	5.40	2.60	22	8	6.84
Happy Hut ...	5.79	2.70	22	7	...
Dunkley's, Vere ...	8.81	1.70	14	14	4.56
Dry River " ...	2.67	1.05	16	6	4.11
Denbigh ...	...	...	...	...	...
Toll Gate ...	9.41	1.75	22	11	...
Woodleigh ...	5.85	2.50	21	5	...
New Yarmouth ...	5.19	2.04	22	8	4.86
Exeter, Vere ...	3.75	2.25	23	8	4.94
Rhymesbury ...	...	...	...	...	...
Milk River ...	4.14	1.16	22	11	5.84
Clarendon Pk. Ry. St. ...	9.80	1.60	14	14	5.16
Retrieve ...	8.51	1.63	22	13	...
Hog Hole, S. Manch. ...	14.10	3.30	18	11	...
Stone's Hope ...	14.84	4.17	15	12	9.30
Newport, Manchester ...	9.73	1.60	22	20	8.37
Great Valley, Man. ...	8.87	2.02	18	13	6.99
Alligator Pond ...	5.80	1.69	15	11	5.86
Southfield, St. Elizabeth ...	5.16	1.35	22	14	...
Lititz ...	7.04	1.60	15	15	...
Torrington ...	12.80	1.72	20	18	6.76
Bethlehem, St. Eliz. ...	16.15	2.17	8	23	7.64
Santa Cruz ...	22.78	3.30	9	25	12.81
Pedro Plains Police St. ...	5.69	1.50	20	12	4.12
Mountainside ...	13.00	2.35	7	16	...
Black River ...	11.72	2.27	7	23	7.42
Font Hill ...	13.80	3.20	27	18	8.84
Mount Edgecombe ...	14.13	2.77	16	20	8.23
Sweet River ...	9.21	2.40	12	18	9.81
Windsor, Sav.-la-mar ...	8.45	2.12	15	15	...
Orchard ...	8.08	1.61	15	18	...
Sav.-la-mar ...	7.43	1.73	12	16	9.29
Little London ...	9.28	1.79	19	16	...
Retreat ...	15.19	4.40	11	17	9.09
Negril Point L.H. ...	8.07	2.35	28	23	5.88
Mean ...	9.26	...	...	...	...

* And on 4 other days.

NOTES.

COMPARATIVE TABLE OF RAINFALL.

(Based upon the "Average" Stations only.)

DIVISIONAL AND ISLAND RAINFALL.	MAY. 1918.	MAY. Average.
	In.	In.
North-Eastern Division ...	17.51	10.82
Northern ,, ...	7.96	7.07
West-Central ,, ...	15.50	12.49
Southern ,, ...	9.26	6.94
The Island ...	12.56	9.33

SHOCKS OF EARTHQUAKE IN MAY, 1918.

Date.	Standard Time (Approx.)	Intensity.	Notes: where felt, etc.
	hr. min.		
No earthquake this month.			

The rains were again heavy over the whole island—15 to 25 inches were recorded at many places chiefly in the west-central and north-eastern divisions—unusually heavy rains for the time of year were recorded at Moore Town and Fellowship; 65¼ and 42½ inches respectively. The smallest record was 1.82 inches at Florence Hall near Falmouth.

MAXWELL HALL,
Government Meteorologist.

Montego Bay P.O.

No. 484.

OCT -2 1918

JAMAICA

WEATHER REPORT

FOR THE MONTH OF

JUNE, 1918.

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.		Temperatures.					Extreme Temperatures.				
		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	29.943	29.917	80.6	82.9	84.6	74.7	9.9	86.5	9*	70.0	11*	16.5
Kingston ..	24	29.921	29.890	76.5	84.0	87.6	72.8	14.8	92.0	28	69.6	25	22.4
Negril Point Light House ..	33	29.916	29.896	79.1	83.8	86.7	72.2	14.5	89.2	14	68.2	25	21.0
Castleton Gardens ..	496	..	..	70.0	82.5	85.7	69.1	16.6	90	8*	66	23	24
Hope Gardens† ..	668	29.966	29.912	73.0	83.4	88.0	70.0	18.0	92	24*	67	23	25
Bavinton, Stony Hill** ..	1,349	29.931	29.875	71.0	78.7	82.7	67.5	15.2	88.0	27*	65.5	23	22.5
Stony Hill Indus. School .	1,400	..	..	71.0	78.9	81.9	66.8	15.1	89	29	66*	1*	23
Kempshot ..	1,773	29.926	29.899	71.3	76.1	80.7	69.3	11.4	83.2	27	67.5	17	15.7
Hill Gardens ..	4,900	25.264	25.222	63.5	65.2	68.9	57.1	11.8	74	29	56	4*	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	73.0	78	73.1	73	6.73	298	NE	16.5	ENE	13.8	3.0	1.8	1.4	1.5	2.2	2.1
Kingston ..	24	70.6	82	71.5	66	0.84	213	ENE	5.7	SE	15.8	1.6	1.1	2.1	2.7	1.6	3.3
Negril Point Light House‡ ..	33	70.7	74	72.3	69	3.90	227	E	8.1	NE	11.9	2.6	0.5	2.5	3.3	4.4	0.9
Castleton Gardens ..	496	68.2	93	73.3	72	9.31	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens ..	668	..	..	..	..	2.92	..	..	..	..	..	..	..	..	..	..	..
Bavinton, Stony Hill ..	1,349	68.0	90	69.7	73	6.86	..	ENE	1.4	S	3.6	1.8	1.4	1.9	4.8	2.8	0.4
Stony Hill Indus. School .	1,400	67.0	87	69.5	73	6.91	..	..	..	..	..	..	..	..	..	..	..
Kempshot ..	1,773	74.3	78	68.1	76	6.91	146	ESE	5.2	E	3.6	1.0	0.6	2.2	1.5	3.6	2.8
Hill Gardens ..	4,900	60.6	90	62.1	90	3.52	..	..	..	..	..	..	..	..	..	..	..

* 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 9.0
** Bavinton, Stony Hill. Mean Min. temp. on grass 64.8
Earth temp 1 ft. below surface 78.8
" 4ft. " " 76.4

THE RAINFALL.

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending his 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.	JUNE, 1918. Total Fall.	Greatest fall in 24 hours. Amount	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Manchioneal ...	13.85	8.88	19	18	10.20
Spring Valley ...	...	...	...	...	...
Bath ...	14.27	5.36	19	19	13.29
Priestman's River ...	9.49	2.00	17	11	...
Moore Town ...	13.75	3.00	12	15	25.57
Port Antonio ...	7.69	1.70	13	17	17.96
Fellowship ...	14.25	3.10	13	19	22.43
Johnson River Bridge ...	13.09	5.12	19	19	19.17
Shrewsbury ...	10.69	3.07	13	14	12.07
Cedar Valley, St. Thos. ...	6.56	1.10	15	11	19.90
Brooklodge ...	7.40	2.21	19	12	..
Farm Hill ...	5.77	2.10	19	4	6.78
Hill Gardens ...	3.52	1.15	16	8	8.11
Chepstowe ...	5.35	0.50	11	9	..
Spring Garden ...	4.67	2.25	11	12	...
Buff Bay ...	5.66	2.22	11	9	7.50
Greenvale ...	...	...	...	...	..
Belvedere, Portland ...	2.32	1.06	11	10	...
Mt. Holstein ...	4.52	1.59	10	13	8.16
Irish Town ...	5.37	1.70	2	7	4.97
Rose Hill ...	7.79	3.07	16	7	...
Hardware Gap ...	5.34	...	...	18	7.86
Stony Hill Ind. School ...	6.91	1.78	16	16	7.47
Castleton Gardens ...	9.31	2.60	30	12	9.93
Lawrence Tavern ...	4.18	1.14	11	11	7.48
Cedar Valley, Red Hills ...	3.18	0.82	2	...	...
Zion Hill ...	7.02	2.10	1	18	...
Agualta Vale ...	1.48	0.54	4	7	3.69
Water Valley ...	2.01	0.48	19	14	5.63
Richmond, St. Mary ...	1.00	0.22	4	11	5.93
Highgate ..	1.26	0.36	19	7	...
Hampstead, St. Mary ...	1.52	0.33	1	9	4.62
Guy's Hill ...	4.16	1.40	20	7	...
Lucky Hill ...	1.72	0.58	23	6	...
Rio Hoe ...	2.38	1.11	15	9	9.11
Unity Valley ...	4.63	1.67	29	8	8.56
Moneague ...	4.32	1.38	15	11	8.34
Claremont ...	4.50	1.50	29	6	6.43
Albion, St. Ann ...	3.57	1.02	13	9	6.97
Averham Park ...	2.89	1.45	29	5	6.31
Mean ...	6.41	...	..	...	...

NORTHERN DIVISION.	JUNE, 1918. Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In	In.			In.
Port Maria ...	3.58	1.14	7	10	5.53
Ocho Rios ...	0.75	0.60	23	2	5.20
Bogue, Ocho Rios ...	...	...	...	...	...
Rockfield ...	3.07	0.93	4	10	...
Drax Hall ...	1.95	1.50	23	3	5.16
Liberty Hill ...	2.88	0.76	4	7	4.12
St. Ann's Bay ...	3.30	1.85	23	6	4.30
Seville ...	3.73	1.72	23	9	4.90
Richmond Estate ...	2.32	1.35	23	5	5.04
Llandovery ...	2.87	1.62	23	4	4.53
Runaway Bay ...	2.16	0.71	29	6	...
Brown's Town ...	3.11	0.88	13	6	4.74
Alexandria ...	1.05	0.60	16	2	...
Watt Town, St. Ann ...	5.24	2.21	10	9	...
Home Castle ...	4.95	1.10	...	12	4.48
Richmond Pen ...	7.17	2.05	16	7	5.35
Mahogany Hall ...	...	...	...	...	...
Barnstaple ...	...	...	...	...	...
Bryan Castle ...	3.20	0.80	13	7	3.68
Braco ...	2.40	0.65	13	7	3.26
Arcadia ...	5.40	1.90	4	7	4.46
Lancaster ...	3.88	1.00	19	6	3.54
Harmony Hall ...	3.02	0.80	19	6	3.03
Vale Royal ...	5.17	1.48	16	7	4.69
Colchis Pen ...	1.10	0.50	...	3	5.11
Swanswick ...	...	...	...	...	..
Georgia ...	4.94	1.60	18	10	5.22
Long Pond ...	5.54	1.96	18	10	...
Hyde Hall ...	8.30	4.00	18	8	...
Steelfield ...	6.54	2.38	18	5	...
Etingdon ...	6.25	3.50	18	6	...
Lottery ...	3.80	0.85	10	7	4.14
Falmouth ...	1.17	0.47	18	4	2.88
Florence Hall ...	1.38	0.72	19	3	2.12
Good Hope ...	9.20	2.50	4	12	...
Unity ...	...	...	...	...	..
Kent ...	...	...	...	...	...
Canaan ...	5.04	1.52	14	12	...
Content ...	3.20	1.04	4	5	...
Guilsbro ...	8.38	3.22	15	14	6.68
Glasgow ...	3.00	1.00	4	4	...
Spring Estate ...	1.84	0.76	4	4	3.53
Montego Bay ...	6.53	2.49	17	11	7.19
Catherine Hall ...	6.04	2.09	17	10	6.18
Friendship ...	7.47	2.06	17	9	...
Retirement ...	8.81	2.71	4	11	...
King Gate ...	2.72	1.06	19	4	9.92
Blue Hole ...	4.43	1.31	13	6	...
Haughton Court ...	2.85	1.20	16	5	9.13
Lucea ...	2.39	1.14	16	9	8.76
Green Island ..	6.88	1.20	14	13	...
CENTRAL SUB-DIVISION.					
Rio Magno ...	3.38	1.12	14	6	...
Headworks, Rio Cobre ...	4.91	2.98	5	6	6.16
Linstead ...	3.00	1.15	19	8	8.59
Berkshire Hall ...	5.11	1.35	19	12	8.65
Point Hill ...	4.28	1.26	19	8	11.26
Bellas Gate ..	2.53	0.72	5	6	...
Worthy Park ...	...	...	...	...	...
Croft Hill ...	1.95	0.66	19	9	4.92
Chapelton ...	4.61	1.60	17	11	7.56
Danks Works ...	5.27	1.34	17	9	8.05
Savoy House ...	4.28	1.18	2	12	9.18
Crooked River ...	5.68	1.20	3	12	..
Trout Hall ...	3.02	0.84	18	14	..
Frankfield ...	4.85	1.27	18	9	..
Mean ...	3.68	..	...	..	...

WEST-CENTRAL DIVISION.	JUNE, 1918. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Whitney ...	..	..	..	..	...
Mocho, Clarendon ...	4.65	1.55	19	7	9.97
Spaldings ...	4.16	1.62	9	16	...
Tan-y-bryn ...	3.99	0.88	3	10	...
Brokenhurst ...	2.93	1.40	19	13	13.68
Christiana ...	5.04	1.97	9	11	8.16
Chudleigh ...	3.52	1.50	3	14	5.78
Shooter's Hill ...	3.79	0.74	17	17	5.77
Spitzbergen ...	..	...	...	...	...
Kendal, Manchester ...	4.50	0.76	2	12	10.21
Marshalls Pen ...	3.27	0.95	18	9	8.40
Mandeville ...	5.68	1.34	18	17	10.07
Carlton, Mandeville ...	4.27	1.13	1	13	10.07
The Hill ...	...	...	...	...	...
Fairfield, Manchester ...	2.03	0.40	1	14	9.08
Ulster Spring ...	13.94	2.75	10	9	5.59
Freeman's Hall ...	7.14	1.93	9	10	...
Albert Town ...	4.40	2.50	13	2	6.10
Lowe River ...	3.12	1.28	9	4	5.27
Troy ...	10.66	2.30	3	12	7.77
Windsor Pen, Trel. ...	4.77	1.40	10	12	9.45
Medina ...	6.65	1.97	19	8	...
Balaclava Police Station ...	9.86	3.34	26	16	4.98
Siloah ...	7.40	2.10	2	14	5.67
Appleton Estate ...	7.42	2.13	2	18	7.20
Maggotty ...	8.38	1.59	2	10	6.35
Butlers ...	7.67	1.70	2	9	...
Dromilly Pen ...	5.95	0.90	4	13	...
Spring Vale ...	5.00	1.06	4	6	11.31
Garland ...	..	...	..	...	...
Mocho, Catadupa ...	...	...	...	...	...
Springfield, St. Elizabeth ...	6.31	1.20	2	12	...
Chesterfield, St. James ...	...	...	..	...	...
Catadupa Rly. Station ...	..	...	...	...	...
Kempshot ...	6.91	1.60	10	14	9.29
Cambridge, St. James ...	4.14	1.10	14	12	...
Ducketts ...	..	..	..	...	...
New Market, Police St. ...	6.61	1.21	26	13	...
The Bog, New Market ...	6.91	2.08	2	15	...
Kew Park ...	...	...	...	..	...
Montpelier ...	4.26	1.27	17	12	.
Burnt Ground ...	..	..	..	..	...
Knockalva ...	7.14	2.69	9	16	...
Ramble ...	..	...	...	...	...
Petersville ...	8.26	1.68	3	15	8.54
Darliston ...	11.73	2.03	29	20	...
Bluefields ...	5.62	0.87	3	12	10.85
Whithorn ...	9.08	1.70	6	18	9.58
Water Works Pen ...	7.85	1.50	6	22	...
Great Valley, Han. ...	...	...	...	...	...
Fontabelle, Westm. ...	9.18	2.73	15	18	11.20
Belleisle ...	..	...	...	..	..
Morgan's Bridge ...	13.33	2.60	6	16	10.61
King's Vale Police St. ...	11.55	2.20	29	15	11.37
Mean ...	6.58	...	...	...	...

SOUTHERN DIVISION.	JUNE, 1918. 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. ...	6.73	2.85	19	17	7.12
Elliott Hill ...	13.51	6.26	20	24	...
Pleasant Hill ...	12.34	5.39	19	12	...
East Prospect ...	6.44	2.20	16	11	7.27
Morant Bay ...	6.45	3.35	19	9	10.19
Easington ...	4.19	0.95	19	14	10.28
Bull Bay ...	1.79	0.72	2	5	5.41
Bellevue ...	4.71	1.43	19	16	...
Gordon Town ...	5.22	2.66	9	5	5.88
Widcombe ...	3.62	1.80	10	13	...
Hope Gardens ...	2.92	...	...	...	...
King's House Gardens ...	..	...	..	..	...
Melrose ...	...	...	...	...	...
Halfway Tree ...	2.04	1.00	2	7	4.58
Lunatic Asylum ...	1.01	0.29	9	7	5.90
Glenmore Road ...	0.99	0.39	19	9	...
Kingston P. W. Office ...	0.84	0.33	19	8	4.38
Plumb Point L. H. ...	1.41	0.30	24	10	4.65
Clifton Pen ...	2.23	0.85	2	5	...
Quarantine Station ...	2.30	1.89	19	2	...
Spanish Town ...	3.33	0.86	1	6	5.24
Hog Hole, St. Catherine ...	3.66	1.09	18	7	5.81
Hartlands ...	3.45	1.25	2	4	..
Belmont, Guanaboa Vale ...	3.52	1.50	19	7	...
Old Harbour ...	1.50	0.55	19	6	7.68
May Pen ...	2.44	0.77	19	7	7.66
Happy Hut ...	3.35	1.33	20	6	...
Dunkley's, Vere ...	2.74	1.07	18	9	11.05
Dry River " ...	2.41	1.20	18	8	4.83
Denbigh ...	...	...	...	...	...
Toll Gate ...	6.36	1.30	19	13	...
Woodleigh ...	2.35	1.40	19	3	...
New Yarmouth ...	2.86	1.24	18	7	7.16
Exeter, Vere ...	...	..	...	...	...
Rhymesbury ...	...	...	...	...	...
Milk River ...	2.12	1.72	19	5	10.55
Clarendon Pk. Ry. St. ...	4.44	1.50	19	11	4.80
Retrieve ...	2.63	0.72	19	8	...
Hog Hole, S. Manch. ...	5.08	1.38	18	8	...
Stone's Hope ...	4.69	1.38	18	8	10.18
Newport, Manchester ...	4.02	1.30	18	11	10.62
Great Valley, Man. ...	3.49	1.05	18	8	8.10
Alligator Pond ...	2.91	1.10	18	6	6.00
Southfield, St. Elizabeth ...	4.76	1.50	5	7	...
Lititz ...	2.38	0.76	...	7	...
Torrington ...	2.23	0.94	17	4	4.41
Bethlehem, St. Eliz. ...	3.20	1.30	2	9	5.26
Santa Cruz ...	10.03	2.25	3	15	6.06
Pedro Plains Police St. ...	1.36	0.50	19	5	..
Mountainside ...	...	...	..	...	...
Black River ...	..	...	..	...	..
Font Hill ...	...	...	...	...	...
Mount Edgecombe ...	4.20	1.03	16	13	6.82
Sweet River ...	5.30	1.56	6	18	7.37
Windsor, Sav.-la-mar ...	2.96	0.65	14	13	6.72
Orchard ...	5.27	0.93	6	15	...
Sav.-la-mar ...	3.01	1.02	6	13	6.64
Little London ...	2.96	0.80	11	7	...
Retreat ...	4.43	1.10	16	12	7.95
Negril Point L.H. ...	3.90	1.06	16	14	6.26
Mean ...	3.56	...	...	...	...

NOTES.

COMPARATIVE TABLE OF RAINFALL.
(Based upon the "Average" Stations only.)

DIVISIONAL AND ISLAND RAINFALL.	JUNE. 1918.	JUNE. Average.
	In.	In.
North-Eastern Division ...	6.41	10.75
Northern ,, ...	3.68	5.74
West-Central ,, ...	6.58	9.48
Southern ,, ...	3.56	6.93
The Island ...	5.06	8.25

SHOCKS OF EARTHQUAKE IN JUNE, 1918.

Date.	Standard Time (Approx.)	Intensity.	Notes: where felt, etc.
	hr. min.		
8	10 10 p.m.	I	Kingston; NNW. and S SE. 017 duration 2 secs.
		I	Mt. Holstein; NW. ·005 and NE. ·005.
		I	Unity Valley.

The rainfall for June was therefore below the average: at many places it was much below the average. The heaviest rainfall was 14 inches at Bath and Fellowship; and the smallest was 1 inch near Kingston.

THE NEW STAR IN AQUILA. The increase in brilliancy was most remarkable, and on the night of June 9th it was almost as bright as Sirius, when it was of course seen by a large number of observers in the United States, and by Prof. W. H. Pickering at Mandeville in Jamaica, who sent a notice to the *Gleaner* the following morning.

According to a bulletin from the Harvard College Observatory, for many years past the star has been of the 11th magnitude, varying at times half a magnitude; and on June 3rd it was of about normal magnitude according to the automatic photographic plates which take in every part of the visible heavens every clear night until cut off automatically by dawn. June 4th, 5th and 6th were cloudy. On June 7th it was of the 6th magnitude On June 8th it was seen by Mr. W. H. Cudworth to be of the 1st magnitude or a little brighter, and he at once telephoned to Harvard, when visual observations were made, and plates examined.

Prof. W. H. Pickering has sent me the following valuable notes:—

"The *Nova* reached its maximum brilliancy June 9th shortly after midnight, the night it was discovered here. It was then nearly as bright as Sirius. It faded rather unusually rapidly, indicating that it was both smaller and nearer than most *novas*. In former years it was of the 11th magnitude. At maximum it was 160,000 times as bright. The cause of the explosion was probably a collision, presumably with a nebula. Before the explosion but after the collision, it was very bright and very blue. Since the explosion it is extremely red, due to the light of gigantic flames of hydrogen gas, millions of miles in extent. As it fades it fluctuates in brightness. July 6th it was of the 3rd magnitude, but it has been as low as the 4th.

SQUALL moving along the South Coast:

On June 12th a squall passed over the Morant Point Light House at 5.50 p.m.with a wind velocity as high as 50 miles per hour. It reached Kingston at 6.15 p.m. with a maximum velocity of 48 miles per hour from the SE. And it reached the Negril Point Light House at 7.30 p.m. when the maximum velocity was reduced to 35 miles per hour, again from the SE.

Consequently while the direction of the wind was always SE, the squall moved from Morant to Kingston with a velocity of over 100 miles an hour, and from Kingston to Negril with a velocity of over 80 miles an hour. And while its course along the south side of Jamaica was about WNW, it did not extend far to the north of its course; it was not felt at Kempshot at all, about 15 miles north of its course.

STORM at Grand Cayman. The weather at Kempshot June 17th and 18th was dull and heavy; the usual winds had ceased; there was some rain and a cloudy sky. The bar. was about a tenth of an inch below the mean, and there was no thunder and lightning. It was evident that a small depression was generating over the west end of the Island.

On the 19th the weather was the same, excepting the wind which commenced to blow from the S; this showed that the depression was moving westward.

On the 20th the Island of Grand Cayman was struck by a storm of some severity and a good deal of damage was done.

WHIRLWIND in St. Elizabeth. On the 25th a rather severe whirlwind was experienced between Goshen and Longhill; and I am indebted to Mr. R. B. Lynch, who was at Longhill at the time for the following notes:

The afternoon was warm; wind SE; rain clouds gathered to the north, and began to move towards Longhill. At 4.46 p.m. sound was heard up in the air and pieces of sticks began to fall; this continued until about 5 p.m. when the whirlwind passed, uprooting large breadfruit and mango trees, and levelling everything in its path, which was not more than 75 yards wide. Going over a pond it sucked the water up to a height above the bamboos surrounding it.

It seems to have started at Peru, passed over Goshen where it hurt some men, and disappeared after passing over the greater part of Longhill property; so that its course was not more than 8 miles or so.

CHAPTERS IN THE WEATHER.

According to Prof. H. H. Turner of Oxford there is a series of dates at each of which new "Chapters" in the history of the European weather are opened; and these "discontinuities" are discussed by him in the Quarterly Journals of the R. Met. Soc. between October, 1915 and April, 1918.

In the first paper he gives the following dates since 1875:—

No.	Chapters.
11	May 1875 to Aug. 1882
12	Sept. 1882 to May 1889
13	June 1889 to Feb. 1895
14	Mar. 1895 to July 1900
15	Aug. 1900 to Feb. 1906
16	Mar. 1906 to Aug. 1912.

Prof. Turner then calls attention to the circumstance that the weather in chapters having odd numbers is different to the weather in chapters having even numbers, and gives as an example the rainfall at Greenwich in the chapters between 1818 and 1906:—

GREENWICH RAINFALL.

EXCESS OF MONTHLY MEANS FOR "EVEN" OVER "ODD" CHAPTERS.

	in.		in.
Nov.	+ .04	May	— .37
Dec.	+ .24	June	— .37
Jan.	— .11	July	— .52
Feb.	+ .12	Aug.	— .57
Mar.	+ .04	Sept.	+ .30
Apr.	+ .05	Oct.	— .32
Total Excess	+ .38	Total Excess	— 1.85

If we now form a similar table for Jamaica * for the chapters between 1875 and 1912, we have:—

JAMAICA RAINFALL.

EXCESS OF MONTHLY MEANS FOR "EVEN" OVER "ODD" CHAPTERS.

	in.		in.
Sept.	+ 0.80	Mar.	— 0.71
Oct.	+ .53	Apr.	— .04
Nov.	+ .39	May	— 1.00
Dec.	— .30	June	— .57
Jan.	+ .04	July	— .44
Feb.	+ 0.06	Aug.	— .21
Total excess	+ 1.52	Total excess	— 2.97

It will be noticed that there is great similarity between the results for Greenwich and Jamaica; for Greenwich the mean yearly excess is −1.47; for Jamaica, −1,45; and the division of the year into two parts of six months each is nearly the same for both places.

Now the length of these chapters is about 6½ years, so that it appears that the European period of 6½ years affects Jamaica; but the effect is so small that it is interesting only from a scientific point of view.

Take for instance our 5½ year period shown by a drought lasting for about year following each Solar max. or min. by about a year or two:—

Solar Cycle.	Drought or Min.	JAMAICA. Rainfall.
		in.
1870 Max.	1872	45.18
1879 Min.	1880	55.44
1884 Max.	1885	59.86
1889 Min.	1890	64.42
1894 Max.	1896	68.61
1902 Min.	1903	68.38
1906 Max.	1907	52.61
1913 Min.	1914	57.36
		58.98

And as the average rainfall for 40 years is 71.77, the periodic droughts fall below the mean as much as 12.79 inches.

This period of 5.6 years is partly confirmed by Jamaica history; and is of real practical value.

*The Island rainfall is deduced from about 120 to 180 gauges.

We cannot easily apply Prof. Turner's theory to any other meteorological element in Jamaica, because the registration of the rainfall was alone undisturbed when the Weather Service was disestablished between 1899 and 1907 or 8; but Prof. Turner calls attention to the connection between the Weather Chapters and the small movements of the Earth's axis, and as such movements might easily affect earthquakes, and as the register of earthquakes in Jamaica was not interrupted, it may be as well to give the following list:—

Chapters.	Shocks Recorded.	
No.		No.
12	1882 to 1889 inclusive	71
13	1889 to 1895 inclusive	61
14	1895 to 1900 inclusive	42
15	1900 to 1906 inclusive	35
16	1906 to 1912 inclusive	409

And it will be noticed that the number of shocks gradually decreased between 1882 and 1906; and then there was a very great increase commencing with the great earthquake of Jan. 14th, 1907.

And again the maxima of earthquake shocks between 1882 and 1907 will be found to closely follow the Max. and Min. of the Solar Cycle as in the case of the rainfall minima. It may be, however, as well to remark that there is no connection between rainfall minima and earthquake maxima; the former is sometimes a year before the latter, sometimes a year later, and sometimes they coincide.

MAXWELL HALL,
Govt. Meteorologist.

Montego Bay P.O.

No. 485.

JAMAICA

WEATHER REPORT

FOR THE MONTH OF

JULY, 1918.

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 racto-stratus: the Middle clouds, cumulus; and the Upper clouds, cirro-stratus.

METEOROLOGICAL RESULTS.

Stations.	Elevation.	Bar Pressure.		Temperatures.					Extreme Temperatures.				
		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	29.977	29.952	81.5	84.4	6.0	79.0	7.0	87.0	16*	73.0	7	14.0
Kingston ..	24	29.951	29.911	77.3	86.8	90.0	73.5	16.5	92.7	11	70.6	9	22.1
Negril Point Light House ..	33	29.956	29.927	78.7	88.2	88.1	72.6	15.5	90.5	25	70.4	22	20.1
Castleton Gardens ..	496	..	..	70.0	83.2	89.7	69.2	20.5	93	5*	65	24	28
Hope Gardens† ..	668	29.991	29.947	74.6	87.5	91.5	70.4	21.1	95	16*	69	2*	26
Bavinton, Stony Hill** ..	1,349	29.926	29.895	72.1	82.8	87.2	68.3	18.9	91.0	8*	66.0	24	25.0
Stony Hill Indus. School ..	1,400	..	..	71.9	82.7	86.1	67.8	18.3	92	8	66	1*	26
Kempshot ..	1,773	23.968	29.932	72.0	78.1	81.4	70.4	11.0	84.0	16	68.9	7	15.1
Hill Gardens ..	4,900	25.283	25.267	65.7	69.0	72.8	59.6	13.2	76	30	57	1*	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	74.0	78	73.8	71	2.02	363	ENE	19	ENE	48	1.3	2.5	1.2	0.8	1.9	1.3
Kingston ..	24	69.7	78	71.7	61	0.24	250	NE	5.5	SE	18.9	0.3	0.8	1.8	0.6	1.5	3 7
Negril Point Light House‡ ..	33	69.9	74	73.0	72	6.78	181	NE	7.3	Var.	9.3	0.3	0.1	4.7	2.5	5.4	0.1
Castleton Gardens ..	496	65.5	87	72.1	63	2.43	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens ..	668	65.6	73	68.5	53	0.77	..	..	..	..	..	..	..	..	..	..	..
Bavinton, Stony Hill ..	1,349	66.9	84	68.8	63	2.03	..	NNE	1.1	NW	4.0	1.6	0.6	1.3	2.5	2.6	1.3
Stony Hill Indus. School ..	1,400	66.3	83	68.1	61	1.41	..	..	..	..	..	..	..	..	..	..	..
Kempshot ..	1,773	64.6	78	68.4	76	5.05	162	E	7.8	ENE	4.4	0.9	0.2	2.1	1.5	4.7	1.9
Hill Gardens ..	4,900	62.4	87	58.4	68	1.46	..	..	..	..	..	..	..	..	..	..	..

* 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

** Bavinton, Stony Hill. Mean Min. temp on grass 64.4

Earth temp 1 ft. below surface 80.5

" 4ft. " " 78.3

THE RAINFALL.

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending his 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.	JULY, 1918. Total Fall.	Greatest fall in 24 hours. Amount	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Manchioneal ...	5.90	1.28	6	18	6.46
Spring Valley ...	6.26	1.30	6	6	9.22
Bath ...	7.83	1.05	13	21	9.66
Priestman's River ...	5.39	1.58	6	6	...
Moore Town ...	11.71	2.00	18	17	20.23
Port Antonio ...	9.06	3.22	6	15	11.60
Fellowship ...	9.22	2.06	14	18	16.64
Johnson River Bridge ...	6.05	1.03	6	17	7.71
Shrewsbury ...	8.81	3.62	6	16	9.46
Cedar Valley, St. Thos. ...	3.36	1.00	14	5	4.85
Brooklodge ...	2.30	0.67	18	7	...
Farm Hill ...	1.80	0.85	13	3	3.34
Hill Gardens ...	1.46	0.53	22	5	3.76
Chepstowe ...	...	...	...	...	...
Spring Garden ...	...	...	...	...	...
Buff Bay ...	5.79	2.50	6	17	7.37
Greenvale ...	3.29	1.51	6	7	2.61
Belvedere, Portland ...	4.62	2.60	6	9	...
Mt. Holstein ...	2.54	1.02	6	8	6.95
Irish Town ...	0.00	...	...	...	1.39
Rose Hill ...	4.27	1.66	24	3	...
Hardware Gap ...	2.53	...	...	...	4.27
Stony Hill Ind. School ...	1.41	0.34	13	8	5.39
Castleton Gardens ...	2.43	1.30	31	6	6.16
Lawrence Tavern ...	2.98	0.75	11	7	5.43
Cedar Valley, Red Hills ...	1.05	0.45	21	5	...
Zion Hill ...	...	...	...	...	...
Agualta Vale ...	2.71	1.64	6	6	3.20
Water Valley ...	2.38	1.25	6	7	3.78
Richmond, St. Mary ...	1.41	0.73	6	7	3.68
Highgate ...	2.63	1.21	6	5	...
Hampstead, St. Mary ...	2.52	1.17	6	6	3.08
Guy's Hill ...	4.55	1.80	13	9	...
Lucky Hill ...	...	...	...	...	...
Rio Hoe ...	3.00	1.69	14	16	4.29
Unity Valley ...	2.44	0.67	12	8	5.92
Moneague ...	0.53	0.27	6	5	4.73
Claremont ...	2.28	1.48	14	3	3.43
Albion, St. Ann ...	2.92	1.10	3	11	4.24
Averham Park ...	1.90	0.80	14	4	3.38
Mean ...	3.95	...	...	...	...

NORTHERN DIVISION.	JULY, 1918. Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In	In.			In.
Port Maria ...	3.05	0.85	19	8	4.19
Ocho Rios ...	2.43	0.73	21	6	2.34
Bogue, Ocho Rios ...	..	..	...	...	...
Rockfield ...	3.79	1.58	5	7	...
Drax Hall ...	1.79	0.70	16	5	...
Liberty Hill ...	3.20	1.50	14	6	1.76
St. Ann's Bay ...	3.05	1.90	14	6	2.96
Seville ...	2.84	1.70	14	6	2.31
Richmond Estate ...	...	..	...	...	...
Llandovery ...	1.72	0.72	14	3	2.03
Runaway Bay ...	0.26	0.18	14	2	...
Brown's Town ...	1.33	0.40	21		2.68
Alexandria ...	1.37	0.38	31	5	...
Watt Town, St. Ann ...	1.67	0.77	10	5	...
Home Castle ...	1.43	0.90	13	4	2.16
Richmond Pen ...	2.13	0.85	10	5	2.90
Mahogany Hall ...	...	...	...	...	...
Barnstaple ...	...	...	...	...	...
Bryan Castle ...	1.73	1.25	13	3	1.81
Braco ...	1.90	1.15	13	4	1.69
Arcadia ...	3.67	2.20	13	5	2.00
Lancaster ...	1.35	0.70	13	5	1.99
Harmony Hall ...	1.12	0.49	13	5	1.56
Vale Royal ...	1.43	1.03	13	2	2.87
Colchis Pen ...	...	.	...	...	...
Swanswick ...	...	...	...	...	...
Georgia ...	1.55	0.90	13	3	...
Long Pond ...	2.01	1.18	13	4	...
Hyde Hall ...	0.95	0.75	13	2	...
Steelfield ...	1.44	1.23	13	3	...
Etingdon ...	0.80	0.60	13	2	...
Lottery ...	0.85	0.65	13	2	2.33
Falmouth ...	0.37	0.22	30	3	1.64
Florence Hall ...	...	...	...	...	...
Good Hope ...	4.35	1.80	12	7	..
Unity ...	...	...	...	...	...
Kent ...	...	...	...	...	...
Canaan ...	4.01	2.12	13	9	4.18
Content ...	0.85	0.64	13	2	...
Guilsbro ...	5.75	3.17	13	17	4.55
Glasgow ...	2.60	1.50	13	4	...
Spring Estate ...	0.78	0.53	13	2	2.28
Montego Bay ...	1.26	0.67	14	6	3.41
Catherine Hall ...	0.20	0.11	7	2	4.08
Friendship ...	3.14	1.83	13	7	...
Retirement ...	3.02	1.10	11	11	...
King Gate ...	0.51	0.44	13	2	5.59
Blue Hole ...	1.73	0.56	25	5	...
Haughton Court ...	3.40	0.80	30	8	5.04
Lucea ...	2.69	0.47	14	11	5.50
Green Island ...	12.01	1.80	25	15	...
CENTRAL SUB-DIVISION.					
Rio Magno ...	2.60	1.20	13	3	...
Headworks, Rio Cobre ...	...	..	...	...	...
Linstead ...	7.69	1.67	21	15	5.93
Berkshire Hall ...	3.39	1.61	31	10	4.65
Point Hill ...	2.49	0.70	31	7	6.57
Bellas Gate ...	0.13	0.13	31	1	...
Worthy Park ...	...	...	...	...	...
Croft Hill ...	3.01	1.10	21	7	2.86
Chapelton ...	2.39	1.14	21	7	3.65
Danks Works ...	2.32	0.78	21	9	3.48
Savoy House ...	2.56	0.65	21	10	3.15
Crooked River ...	1.76	0.53	4	8	..
Trout Hall ...	1.56	0.61	4	5	..
Frankfield ...	2.20	0.92	30	5	..
Mean ...	2.38	..	...	..	...

WEST-CENTRAL DIVISION.	JULY, 1918. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Whitney ...	..	..	..	..	...
Mocho, Clarendon ...	1.89	0.75	22	4	...
Spaldings ...	3.90	1.42	29	18	...
Tan-y-bryn ...	4.78	1.03	2	15	...
Brokenhurst ...	0.88	0.44	22	3	6.00
Christiana ...	3.07	1.50	29	16	4.37
Chudleigh ...	2.31	0.60	29	14	4.28
Shooter's Hill ...	5.09	1.25	3	15	5.41
Spitzbergen ...	..	...	...	...	...
Kendal, Manchester ...	6.65	2.65	22	8	5.45
Marshalls Pen ...	1.61	0.98	31	5	4.94
Mandeville ...	2.25	0.48	21	9	5.91
Carlton, Mandeville ...	1.57	0.35	21	7	5.91
The Hill ...	...	...	..	...	...
Fairfield, Manchester ...	0.46	0.84	30	7	3.05
Ulster Spring ...	2.50	0.85	12	4	4.45
Freeman's Hall ...	...	..	..	...	..
Albert Town ...	1.75	0.60	12	3	5.00
Lowe River ...	3.70	1.40	7	5	3.12
Troy ...	6.41	1.90	29	10	7.11
Windsor Pen, Trel. ...	6.95	2.06	21	14	6.65
Medina ..	1.46	0.85	3	4	...
Balaclava Police Station...	2.31	0.80	28	8	4.71
Siloah ...	6.40	2.00	12	9	6.55
Appleton Estate ...	6.41	1.24	2	12	7.24
Maggotty ...	8.45	1.51	12	12	8.15
Butlers ...	8.65	2.45	17	11	...
Dromilly Pen ...	...	...	...	...	...
Spring Vale ...	7.68	2.95	13	9	8.33
Garland ...	..	...	..	...	...
Mocho, Catadupa ...	...	..	...	...	...
Springfield, St. Elizabeth	9.86	2.10	21	16	...
Chesterfield, St. James ...	...	...	..	...	...
Catadupa Rly. Station ...	..	...	...	...	...
Kempshot ...	5.05	2.03	3	11	6.21
Cambridge, St. James ..	11.93	1.84	2	19	...
Ducketts ...	..	..	..	...	...
New Market, Police St. ...	7.72	1.40	21	12	...
The Bog, New Market ...	10.17	2.05	29	18	...
Kew Park ...	7.96	1.91	7	15	...
Montpelier ..	3.73	1.16	13	11	...
Burnt Ground ...	4.68	1.15	11	16	8.74
Knockalva ..	7.73	2.08	23	18	...
Ramble ...	..	...	...	...	...
Petersville ...	11.47	1.79	12	19	7.17
Darliston ...	9.39	1.30	3	23	11.87
Bluefields ...	6.40	1.03	18	11	9.52
Whithorn ...	8.36	1.87	3	17	10.73
Water Works Pen ...	9.65	2.95	2	17	...
Great Valley, Han. ...	...	...	...	...	...
Fontabelle, Westm. ...	16.27	2.54	13	19	8.97
Belleisle ...	..	...	...	..	..
Morgan's Bridge ...	14.77	2.65	14	14	11.61
King's Vale Police St. ...	10.54	1.76	28	21	10.74
Mean ...	5.83	...	...	...	...

SOUTHERN DIVISION.	JULY, 1918. 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. ...	2.02	0.99	6	15	3.23
Elliott Hill ...	5.14	1.83	7	19	...
Pleasant Hill ...	5.32	2.19	6	11	...
East Prospect ...	3.35	1.05	6	14	4.08
Morant Bay ...	5.14	1.12	6	14	5.80
Easington ...	3.26	0.65	6	11	6.22
Bull Bay ...	0.00	...	...	...	2.46
Bellevue ...	1.24	0.27	18	9	...
Gordon Town ...	0.35	0.35	16	1	2.62
Widcombe ...	0.13	...	...	2	...
Hope Gardens ...	0.77	...	..	...	2.72
King's House Gardens ...	..	...	...	..	...
Melrose ...	0.32	0.18	21	4	...
Halfway Tree ...	0.11	0.11	18	1	1.85
Lunatic Asylum ...	0.51	0.24	6	3	1.51
Glenmore Road ...	0.58	0.18	6	5	...
Kingston P. W. Office ...	0.24	0.88	21	4	1.81
Plumb Point L. H. ...	1.31	0.95	6	4	1.94
Clifton Pen ...	0.00	...	..	...	...
Quarantine Station ...	0.15	0.15	6	1	...
Spanish Town ...	0.04	0.04	5	1	2.48
Hog Hole, St. Catherine...	...	...	...	...	...
Hartlands ...	0.00	...	...	...	..
Belmont, Guanaboa Vale	0.21	0.08	11	3	...
Old Harbour ...	0.00	..	...	...	2.57
May Pen ...	0.25	0.12	22	3	3.72
Happy Hut ..	0.44	0.44	22	...	...
Dunkley's, Vere ...	0.06	0.06	23	1	2.32
Dry River " ...	0.02	0.02	22	1	1.64
Denbigh ...	...	...	...	...	...
Toll Gate ...	1.66	1.10	31	3	...
Woodleigh ...	...	...	...	...	...
New Yarmouth ...	0.00	...	...	...	2.42
Exeter, Vere ...	0.05	..	15	1	...
Rhymesbury ...	..	..	...	...	..
Milk River ...	...	...	...	...	...
Clarendon Pk. Ry. St. ...	0.37	0.30	27	2	2.39
Retrieve ...	0.79	0.50	22	3	...
Hog Hole, S. Manch. ...	1.08	0.68	23	2	...
Stone's Hope ...	0.86	0.66	17	3	4.30
Newport, Manchester ...	...	...	...	...	...
Great Valley, Man. ...	0.63	0.61	22	2	3.27
Alligator Pond ...	0.47	0.47	22	1	2.43
Southfield, St. Elizabeth ...	0.77	0.28	28	5	...
Lititz ...	0.61	0.30	31	4	...
Torrington ...	0.30	0.30	28	1	2.64
Bethlehem, St. Eliz. ...	1.04	0.72	28	2	3.04
Santa Cruz ...	1.97	1.48	28	4	5.27
Pedro Plains Police St. ...	0.16	0.1	28	1	1.48
Mountainside ...	...	...	...	...	...
Black River ...	3.28	0.86	17	10	4.82
Font Hill ...	4.90	1.90	31	8	5.73
Mount Edgecombe ...	7.77	1.91	6	19	6.93
Sweet River ...	6.68	1.30	31	16	7.52
Windsor, Sav.-la-mar ...	6.41	2.40	31	13	8.91
Orchard ...	8.20	1.29	31	16	...
Sav.-la-mar ...	5.61	1.82	31	18	5.84
Little London ...	10.64	1.76	17	16	...
Retreat ...	9.70	2.25	15	13	7.65
Negril Point L.H. ...	6.78	2.02	29	15	5.90
Mean ...	2.25	...	...	...	...

NOTES.

COMPARATIVE TABLE OF RAINFALL.

(Based upon the "Average" Stations only.)

DIVISIONAL AND ISLAND RAINFALL.	JULY.	
	1918.	Average.
	In.	In.
North-Eastern Division ...	3.95	6.41
Northern ,, ...	2.38	3.21
West-Central ,, ...	5.83	7.85
Southern ,, ...	2.25	3.59
The Island ...	3.60	5.26

The rainfall was the average at the extreme north-eastern and western ends of the Island, and in parts of the West-central Division. At other places, particularly along the south coast, very little or no rain was recorded.

MAXWELL HALL,
Government Meteorologist.

Montego Bay P.O.

SHOCKS OF EARTHQUAKE IN JULY, 1918.

Date.	Standard Time (Approx.)	Intensity.	Notes: where felt, etc.
	hr. min.		
No earthquake this month.			

No. 486.

JAMAICA

WEATHER REPORT

FOR THE MONTH OF

AUGUST, 1918.

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 racto-stratus: the Middle clouds, cumulus; and the Upper clouds, cirro-stratus.

METEOROLOGICAL RESULTS.

Stations.	Elevation.	Bar. Pressure. 7 a.m.	Bar. Pressure. 3 p.m.	Temperatures. 7 a.m	3 p.m.	Max.	Min.	Range	Extreme Temperatures. Max.	Date.	Min.	Date.	Range.
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House ..	8	29.971	29.945	81.9	85.2	86.8	80.3	6.5	88.5	2*	73.5	16	15.0
Kingston ..	24	29.949	29.909	77.1	86.4	90.1	73.6	16.5	94.2	2*	69.8	5	24.4
Negril Point Light House ..	33	29.951	29.918	78.9	85.0	88.2	72.9	15.3	91.9	28	69.9	31	21.2
Castleton Gardens ..	496	..	..	69.6	85.6	89.3	68.8	20.5	93	27*	66	17*	27
Hope Gardens† ..	668	29.964	29.899	74.5	87.0	91.7	70.6	21.1	96	28	66	6	30
Bavinton, Stony Hill** ..	1,349	29.957	29.903	72.7	82.2	86.2	68.9	17.0	90.0	18*	66.5	1*	23.5
Stony Hill Indus. School ..	1,400	..	..	72.1	82.5	85.7	68.2	17.5	91	28	66	5*	25.0
Kempshot ..	1,773	29.959	29.929	72.3	76.6	81.4	70.5	10.9	84.9	20	67.2	4	17.7
Hill Gardens ..	4,900	25.289	25.265	64.6	67.7	71.4	59.0	12.4	77	2	56	3*	21

Stations.	Elevation.	Dew Point and Humidity. 7 a.m.		3 p.m.		Rainfall.	Wind per diem.	Wind: direction from and miles per hour. 7 a.m.		3 p.m.		Amount of Cloud. Lower, Middle and Upper. 7 a.m. L.	M.	U.	3 p.m. L	M.	U.
	ft.	°		°		in.	miles.		m.		m.						
Morant Pt. Light House ..	8	74.5	78	74.7	71	4.36	289	NE	13.4	NE	13.6	1.3	1.3	1.6	1.3	0.8	1.8
Kingston ..	24	70.4	80	72.7	65	2.87	220	NNE	4.6	SE	17.4	0.4	1.1	3.0	2.5	1.3	2.4
Negril Point Light House‡ ..	33	71.4	78	73.9	70	7.51	190	ENE	7.2	S	10.3	0.6	0.4	4.3	0.9	6.1	0.9
Castleton Gardens ..	496	67.6	93	74.0	67	7.00	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens ..	668	64.8	71	70.2	57	3.41	..	..	..	..	..	..	..	..	..	..	..
Bavinton, Stony Hill ..	1,349	66.6	81	69.8	66	6.04	..	NE	1.5	NNE	3.8	1.0	0.7	2.8	3.0	2.8	1.6
Stony Hill Indus. School ..	1,400	66.2	82	69.5	65	6.55	..	..	..	..	..	..	..	..	..	..	..
Kempshot ..	1,773	64.8	78	68.3	76	14.13	108	ESE	5.4	E	3.8	1.5	0.1	2.1	1.5	2.0	2.9
Hill Gardens ..	4,900	61.1	87	63.9	87	9.49	..	..	..	..	..	..	..	..	..	..	..

* and on other days.
† Hope Gardens. Bar. read at 9 a.m. and 3 p.m.
‡ Negril Point Light House. Wind 11 p.m. NE 6.8
** Bavinton, Stony Hill. Mean Min. temp. on grass 64.8
Earth temp. 1 ft. below surface 80.6
" 4ft. " " 78.9

THE RAINFALL.

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.	AUG., 1918. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Manchioneal ...	4.82	2.55	3	4	7.17
Spring Valley ...	4.88	4.15	3	5	10.85
Bath ...	7.90	4.79	3	9	10.01
Priestman's River ...	4.15	3.40	3	3	...
Moore Town ...	12.17	5.20	2	5	15.54
Port Antonio ...	15.30	10.93	3	10	10.76
Fellowship ...	12.34	9.54	3	14	14.28
Johnson River Bridge ...	5.50	2.50	3	9	15.02
Shrewsbury ...	...	...	...	...	...
Cedar Valley, St. Thos. ...	5.75	4.85	3	3	9.76
Brooklodge ...	7.68	6.20	3	4	...
Farm Hill ...	11.77	9.10	3	5	5.83
Hill Gardens ...	9.49	4.53	3	6	7.92
Chepstowe ...	...	...	...	...	...
Spring Garden ...	...	...	...	...	...
Buff Bay ...	6.01	2.63	3	7	5.70
Greenvale ...	10.65	3.56	3	7	5.04
Belvedere, Portland ...	6.57	3.57	3	7	...
Mt. Holstein ...	9.55	2.16	3	9	6.69
Irish Town ...	5.20	3.95	4	3	6.00
Rose Hill ...	14.77	9.69	3	3	...
Hardware Gap ...	8.69	...	...	...	6.73
Stony Hill Ind. School ...	6.55	2.30	21	10	9.44
Castleton Gardens ...	7.00	2.97	31	10	10.03
Lawrence Tavern ...	1.47	0.66	2	5	8.58
Cedar Valley, Red Hills ...	...	...	...	...	...
Zion Hill ...	4.43	1.50	3	5	...
Agualta Vale ...	5.09	3.04	3	7	3.38
Water Valley ...	6.44	2.90	3	8	4.34
Richmond, St. Mary ...	4.02	2.55	3	8	4.97
Highgate ...	5.50	3.68	3	7	...
Hampstead, St. Mary ...	4.86	2.33	3	5	4.86
Guy's Hill ...	4.97	2.00	3	5	...
Lucky Hill ...	6.63	1.72	3	7	...
Rio Hoe ...	5.49	2.17	3	8	6.27
Unity Valley ...	4.56	1.47	3	6	6.49
Moneague ...	7.32	4.52	3	7	6.03
Claremont ...	6.60	2.00	3	7	5.53
Albion, St. Ann ...	5.87	2.76	3	7	6.10
Averham Park ...	..	...	...	..	..
Mean ...	7.23	...	..	...	...

NORTHERN DIVISION	AUG. 1918. Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In	In.			In.
Port Maria ...	3.97	1.92	3	7	4.72
Ocho Rios ...	3.60	2.10	3	5	2.72
Bogue, Ocho Rios ...	..	..	...	...	...
Rockfield ...	...	...	..	...	...
Drax Hall ...	2.53	1.50	3	4	3.59
Liberty Hill ...	3.00	1.53	14	6	2.82
St. Ann's Bay ...	3.38	2.03	3	8	2.65
Seville ...	3.25	2.50	3	4	3.55
Richmond Estate ...	2.61	1.59	3	5	3.36
Llandovery ...	3.15	3.15	3	1	2.86
Runaway Bay ...	1.82	0.68	3	4	...
Brown's Town ...	8.06	2.48	3	8	3.98
Alexandria ...	4.68	3.50	3	7	...
Watt Town, St. Ann ...	5.09	3.47	3	7	...
Home Castle ...	5.30	3.10	3	9	3.61
Richmond Pen ...	6.66	3.55	3	8	4.89
Mahogany Hall ...	...	...	...	...	...
Barnstaple ...	...	...	...	...	...
Bryan Castle ...	3.50	1.80	3	7	2.88
Braco ...	1.70	1.50	3	3	2.89
Arcadia ...	5.03	2.28	24	7	3.54
Lancaster ...	3.07	1.50	3	5	3.21
Harmony Hall ...	2.56	1.46	3	5	2.57
Vale Royal ...	6.05	2.02	24	7	4.54
Colchis Pen ...	3.80	1.30	3	4	5.32
Swanswick ...	...	...	...	...	...
Georgia ...	...	...	...	...	...
Long Pond ...	7.95	1.55	24	8	...
Hyde Hall ...	6.65	2.00	24	6	...
Steelfield ...	6.54	2.15	24	7	...
Etingdon ...	5.20	2.50	24	5	...
Lottery ...	...	...	...	...	...
Falmouth ...	2.18	1.65	3	5	2.77
Florence Hall ...	...	...	...	...	...
Good Hope ...	9.38	3.00	3	10	..
Unity ...	...	...	...	...	...
Kent ...	...	...	...	...	...
Canaan ...	6.21	3.12	3	8	...
Content ...	5.62	3.40	3	5	...
Guilsbro ...	10.64	3.91	3	15	5.88
Glasgow ...	8.45	4.00	3	6	...
Spring Estate ...	5.19	3.75	3	3	2.62
Montego Bay ...	6.06	3.50	3	10	5.63
Catherine Hall ...	6.28	3.35	3	9	6.72
Friendship ...	..	..	...	...	...
Retirement ...	11.37	1.70	26	12	...
King Gate ...	7.03	4.10	3	5	5.82
Blue Hole ...	6.12	3.80	3	6	...
Haughton Court ...	3.05	2.30	3	5	7.21
Lucea ...	4.28	3.03	3	8	6.86
Green Island ..	9.00	3.40	3	11	...
CENTRAL SUB-DIVISION.					
Rio Magno ...	5.33	2.00	3	5	...
Headworks, Rio Cobre ...	3.67	2.46	3	5	5.75
Linstead ...	4.90	2.80	3	9	8.22
Berkshire Hall ...	9.75	4.54	26	7	5.62
Point Hill ...	1.91	1.50	15	3	12.37
Bellas Gate ..	3.83	2.65	24	3	...
Worthy Park ...	...	...	...	...	...
Croft Hill ...	5.26	4.64	3	4	7.96
Chapelton ...	6.62	3.43	3	7	6.81
Danks Works ...	5.12	3.23	3	9	5.84
Savoy House ...	7.82	3.28	3	8	6.04
Crooked River ...	6.97	3.50	3	9	..
Trout Hall ...	7.98	3.50	3	10	..
Frankfield ...	8.85	5.10	3	4	..
Mean ...	4.68	..	...	..	...

WEST-CENTRAL DIVISION.	AUGUST, 1918. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Whitney ...	9.25	5.75	2	5	8.97
Mocho, Clarendon ...	6.55	4.50	3	6	6.68
Spaldings ...	10.60	7.25	3	8	...
Tan-y-bryn ...	8.98	4.96	3	11	...
Brokenhurst ...	13.67	7.40	3	10	7.12
Christiana ...	9.53	6.50	3	9	6.44
Chudleigh ...	9.24	5.60	3	8	9.02
Shooter's Hill ...	11.50	5.42	3	11	8.06
Spitzbergen ...	...	...	...	...	...
Kendal, Manchester ...	16.19	8.03	3	9	6.80
Marshalls Pen ...	9.55	6.50	3	8	8.38
Mandeville ...	12.68	8.77	3	9	8.03
Carlton, Mandeville ...	...	...	...	..	...
The Hill ...	...	...	...	...	...
Fairfield, Manchester ...	7.08	5.60	3	11	5.37
Ulster Spring ...	13.45	4.55	3	9	6.91
Freeman's Hall ...	8.50	3.00	3	10	..
Albert Town ...	11.68	6.28	3	4	8.79
Lowe River ...	12.97	4.76	3	8	7.36
Troy ...	6.85	4.30	3	6	10.07
Windsor Pen, Trel. ...	8.06	3.20	3	11	8.42
Medina ..	3.72	2.30	12	5	...
Balaclava Police Station ..	7.17	5.60	3	8	7.02
Siloah ...	15.53	3.60	29	11	11.34
Appleton Estate ...	13.88	4.85	3	18	..
Maggotty ...	11.81	5.02	3	11	10.65
Butlers ...	14.40	4.95	3	9	...
Dromilly Pen ...	7.40	2.55	3	12	...
Spring Vale ...	8.44	4.55	3	7	11.61
Garland ...	...	...	...	...	...
Mocho, Catadupa ...	13.70	6.73	3	6	...
Springfield, St. Elizabeth	18 07	6.75	3	14	...
Chesterfield, St. James ...	19.95	6.80	3	...	...
Catadupa Rly. Station ...	...	...	...	...	...
Kempshot ...	14.13	3.82	13	13	8.61
Cambridge, St. James ..	8.14	4.53	3	13	...
Ducketts ...	11.95	7.00	3	...	...
New Market, Police St. ...	14.01	7.53	3	15	...
The Bog, New Market ...	14.19	6.92	3	15	...
Kew Park ...	...	...	...	...	...
Montpelier ..	7.72	3.40	3	10	..
Burnt Ground ...	11.90	2.60	25	8	...
Knockalva ...	11.13	3.28	3	16	...
Ramble ...	...	...	...	...	...
Petersville ...	11.74	5.81	3	16	10.56
Darliston ...	16.85	4.51	3	22	14.62
Bluefields ...	5.34	2.30	11	6	10.96
Whithorn ...	14.04	5.00	3	18	11.74
Water Works Pen ...	12.76	4.50	3	22	...
Great Valley, Han. ...	5.60	3.20	3	5	...
Fontabelle, Westm. ...	7.58	3.00	10	9	11.28
Belleisle ...	...	...	...	..	..
Morgan's Bridge ...	8.45	3.80	3	8	11.70
King's Vale Police St. ...	5.95	2.67	3	9	10.76
Mean ..	10.57	...	...	...	...

SOUTHERN DIVISION.	AUGUST, 1918. 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. ...	4.36	3.95	3	6	5.31
Elliott Hill ...	4.89	3.11	4	10	...
Pleasant Hill ...	4.55	3.80	3	4	...
East Prospect ...	6.66	4.67	3	7	6.60
Morant Bay ...	5.49	2.35	3	7	5.68
Easington ...	2.20	0.60	3	8	6.17
Bull Bay ...	1.67	1.42	3	2	2.82
Bellevue ...	5.45	4.68	3	4	...
Gordon Town ...	5.95	3.40	4	5	4.47
Widcombe ...	...	...	...	...	...
Hope Gardens ...	3.41	...	...	...	5.29
King's House Gardens ...	2.00	2.00	3	1	5.67
Melrose ...	3.85	3.57	3	2	...
Halfway Tree ...	3.36	2.05	3	2	3.54
Lunatic Asylum ...	2.31	2.28	3	3	2.59
Glenmore Road ...	3.16	2.81	3	4	...
Kingston P. W. Office ...	2.87	2.67	3	4	3.88
Plumb Point L. H. ...	4.20	2.80	3	5	3.50
Clifton Pen ...	3.20	3.20	3	1	...
Quarantine Station ...	2.45	2.45	3	1	...
Spanish Town ...	4.69	2.88	3	3	4.04
Hog Hole, St. Catherine ...	5.78	2.66	3	6	4.53
Hartlands ...	3.45	3.05	3	2	3.20
Belmont, Guanaboa Vale ...	6.10	3.35	4	6	...
Old Harbour ...	3.00	2.50	3	3	4.66
May Pen ...	5.03	3.98	3	2	4.79
Happy Hut ..	6.22	4.60	3	4	...
Dunkley's, Vere ...	5.60	4.70	15	3	4.25
Dry River " ...	4.91	4.49	3	4	3.95
Denbigh ...	...	...	...	...	...
Toll Gate ...	5.15	4.50	3	4	...
Woodleigh ...	4.00	4.00	3	1	...
New Yarmouth ...	5.23	4.69	3	2	3.86
Exeter, Vere ...	...	...	...	...	...
Rhymesbury ...	...	...	...	...	...
Milk River ...	4.73	4.73	3	1	5.26
Clarendon Pk. Ry. St. ...	...	...	...	...	...
Retrieve ...	1.94	1.30	3	4	...
Hog Hole, S. Manch. ...	9.61	8.00	3	4	...
Stone's Hope ...	13.24	10.50	3	8	5.99
Newport, Manchester ...	12.49	10.20	3	9	5.39
Great Valley, Man. ...	11.87	10.00	3	6	4.49
Alligator Pond ...	10.16	9.16	3	6	3.08
Southfield, St. Elizabeth ...	12.04	11.15	3	3	...
Lititz ...	10.38	9.31	3	7	...
Torrington ...	9.41	8.80	3	4	4.55
Bethlehem, St. Eliz. ...	9.07	7.75	3	8	4.99
Santa Cruz ...	9.85	5.60	3	7	8.62
Pedro Plains Police St. ...	3.88	3.75	3	3	2.53
Mountainside ...	6.01	4.60	3	6	...
Black River ...	8.30	3.65	3	10	5.95
Font Hill ...	7.70	4.35	3	9	6.06
Mount Edgecombe ...	6.54	2.78	3	15	8.19
Sweet River ...	7.58	4.76	3	11	8.75
Windsor, Sav.-la-mar ...	6.75	2.80	3	12	7.38
Orchard ...	7.77	2.78	3	11	...
Sav.-la-mar ...	5.52	2.64	3	12	7.49
Little London ...	7.75	4.20	3	6	...
Retreat ...	6.80	6.06	3	3	8.70
Negril Point L.H. ...	7.51	5.70	3	7	6.78
Mean ..	6.58	...	...	...	...

NOTES.

COMPARATIVE TABLE OF RAINFALL.
(Based upon the "Average" Stations only.)

DIVISIONAL AND ISLAND RAINFALL.	AUGUST. 1918.	AUGUST. Average.
	In.	In.
rth-Eastern Division ...	7.23	7.71
rthern ,, ...	4.68	4.83
st-Central ,, ...	10.57	9.88
uthern ,, ...	6.58	5.14
The Island ...	7.26	6.89

SHOCKS OF EARTHQUAKE IN AUGUST, 1918.

Date.	Standard Time (Approx.)	Intensity.	Notes: where felt, etc.
	hr. min.		
	No earthquake this month.		

During the morning of the 3rd August, a very small barometric depression passed on a westerly course far south of Jamaica, which produced a succession of heavy squalls and rains in different parts of the Island. The passage of the depression was marked by the change of the direction of the wind from NE to E and SE rather than by any fall of the bar. which did not exceed more than a few hundredths of an inch below the mean; and it apparently moved at the rate of 16 or 17 miles an hour.

At Port Antonio, Farm Hill and Rose Hill in the North-eastern division, 9 or 10 inches of rain fell on the 3rd; over Southern Manchester 10 or 11 inches fell; and here the squalls seem to have been strongest; two schooners were wrecked at Alligator Pond with some loss of life; and several fishermen were drowned along that coast.

At Montego Bay the bad weather commenced with a heavy rain squall at 6.30 a.m., and the same squall or another one struck Lucea at 6.45 a.m., but no damage was done.

The U.S. Weather Bureau reported that day that there was some disturbance in the eastern Caribbean; but nothing further was heard of it.

On the 22nd and 23rd August the U.S. Weather Bureau warned us of an approaching disturbance; and on the 24th there was much anxiety. The clouds were driving all day from the E., but there was little wind, little rain, and the bar. did not fall more than a few hundredths of an inch below the mean. In fact, there was a repetition of what occurred on the 3rd without the heavy rain squalls.

MAXWELL HALL,
Government Meteorologist.

Montego Bay P.O.

No. 487.

The Editor,
Monthly Weather Review,
Weather Bureau,
Washington D.C.,
U.S.A.

JAMAICA

WEATHER REPORT

FOR THE MONTH OF

SEPTEMBER, 1918.

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 racto-stratus: the Middle clouds, cumulus; and the Upper clouds, cirro-stratus.

METEOROLOGICAL RESULTS.

Stations.	Elevation.	Bar. Pressure.		Temperatures.					Extreme Temperatures.				
		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	29.922	29.892	81.5	85.6	87.6	78.5	9.1	88.5	3*	72.0	4	16.5
Kingston ..	24	29.913	29.867	77.5	85.7	90.0	73.9	16.1	91.9	7	71.2	27	20.7
Negril Point Light House ..	33	29.907	29.868	79.4	85.4	87.9	73.7	14.2	91.5	1	70.6	27	20.9
Castleton Gardens ..	496	..	..	69.7	83.3	88.7	68.8	19.9	92	3*	65	23	27
Hope Gardens† ..	668	29.913	29.840	74.1	85.2	89.9	70.5	19.4	93	10	65	7	28
Bavinton, Stony Hill** ..	1,349	29.922	29.854	72.1	80.0	84.9	69.1	15.8	88.0	19	67.0	7*	21.0
Stony Hill Indus. School ..	1,400	..	..	72.4	79.8	84.7	68.8	15.9	90	27	67	2*	23
Kempshot ..	1,773	29.920	29.880	73.0	77.0	82.6	70.7	11.9	85.2	13	68.6	25	16.6
Hill Gardens ..	4,900	25.291	25.265	64.7	67.0	70.3	58.1	12.2	73	18*	57	18*	16

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	74.1	78	74.4	70	3.98	222	ENE	9.0	NE	10.3	0.9	1.7	1.6	0.7	2.3	2.0
Kingston ..	24	71.3	81	73.5	67	0.30	189	NNE	4.0	SE	14.1	0.1	0.7	2.6	2.8	1.9	2.3
Negril Point Light House‡ ..	33	72.9	81	74.5	70	10.79	192	ENE	7.7	Var.	9.9	0.7	0.4	4.6	1.0	6.2	1.1
Castleton Gardens ..	496	67.9	93	74.4	74	5.79	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens ..	668	66.8	78	71.0	63	3.24	..	..	..	..	..	..	..	..	..	..	..
Bavinton, Stony Hill ..	1,349	67.7	86	71.1	75	4.61	..	S	1.2	ENE	4.0	0.7	0.8	2.2	3.6	2.4	1.2
Stony Hill Indus. School ..	1,400	67.7	85	70.7	74	4.40	..	..	..	..	..	..	..	..	..	..	..
Kempshot ..	1,773	67.8	83	72.6	86	6.59	124	ESE	4.3	E	2.5	1.1	0.1	2.3	1.3	6.1	1.1
Hill Gardens ..	4,900	61.9	90	62.8	87	3.27	..	..	..	..	..	..	..	..	..	..	..

* and on other days. † Hope Gardens. Bar. read at 9 a.m. and 3 p.m.

‡ Negril Point Light House. Wind 11 p.m. NE 7.0

** Bavinton, Stony Hill. Mean Min. temp. on grass 65.5

Earth temp 1 ft. below surface 80.4

" 4ft. " " 79.0

THE RAINFALL.

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending his 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.	SEPT., 1918. Total Fall.	Greatest fall in 24 hours. Amount	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Manchioneal ...	5.01	1.52	11	14	11.01
Spring Valley ...	...	...	...	...	...
Bath ...	7.18	2.10	13	15	12.03
Priestman's River ...	2.15	0.70	10	5	...
Moore Town ...	12.00	4.00	11	8	14.21
Port Antonio ...	4.22	1.81.	19	10	10.43
Fellowship ...	7.60	3.00	12	8	12.93
Johnson River Bridge ...	5.60	1.24	13	13	11.48
Shrewsbury ...	6.60	3.00	19	4	10.31
Cedar Valley, St. Thos. ...	8.28	1.95	15	8	13.40
Brooklodge ...	...	...	...	...	..
Farm Hill ...	4.29	1.45	4	6	10.00
Hill Gardens ...	3.37	0.80	3	8	9.84
Chepstowe ...	2.04	2.04	14	1	..
Spring Garden ...	3.59	1.00	11	7	...
Buff Bay ...	3.65	1.35	19	9	4.94
Greenvale ...	10.42	2.33	23	9	8.49
Belvedere, Portland ...	6.28	2.30	12	8	...
Mt. Holstein ...	5.24	0.79	7	17	9.02
Irish Town ...	4.41	1.12	9	7	9.52
Rose Hill ...	7.78	2.15	23	9	...
Hardware Gap ...	7.25	1.42	5	14	9.02
Stony Hill Ind. School ...	4.40	1.42	5	14	9.82
Castleton Gardens ...	5.97	1.18	30	13	11.21
Lawrence Tavern ...	10.03	2.52	4	10	9.53
Cedar Valley, Red Hills ...	..	..	..	...	...
Zion Hill ...	4.57	1.00	7	10	...
Agualta Vale ...	3.63	1.60	11	11	4.61
Water Valley ...	4.10	0.98	12	10	5.98
Richmond, St. Mary ...	5.19	1.60	12	15	5.59
Highgate ..	7.73	2.97	12	10	...
Hampstead, St. Mary ...	3.24	1.67	12	7	6.90
Guy's Hill ...	2.20	1.40	12	4	...
Lucky Hill ...	2.67	0.60	26	8	...
Rio Hoe ...	2.77	0.77	5	9	6.18
Unity Valley ...	4.72	2.25	14	12	8.20
Moneague ...	3.18	0.90	16	9	7.14
Claremont ...	5.00	1.30	14	7	5.31
Albion, St. Ann ...	4.75	1.65	4	12	6.98
Averham Park ...	5.35	1.50	15	6	4.83
Mean ...	5.62	...	...	...	...

NORTHERN DIVISION	SEPT., 1918. Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In	In.			In.
Port Maria ...	2.07	0.53	14	10	3.88
Ocho Rios ...	2.95	1.10	16	6	3.93
Bogue, Ocho Rios ...	3.44	1.22	16	7	...
Rockfield ...	2.59	1.40	16	8	...
Drax Hall ...	2.44	1.70	16	3	3.98
Liberty Hill ...	2.63	1.60	16	5	3.55
St. Ann's Bay ...	2.08	1.53	16	5	3.31
Seville ...	...	...	...	...	...
Richmond Estate ...	2.39	1.10	15	5	...
Llandovery ...	1.50	0.90	16	3	3.72
Runaway Bay ...	1.36	0.98	16	2	...
Brown's Town ...	4.02	1.56	15	7	5.30
Alexandria ...	5.79	1.55	13	9	...
Watt Town, St. Ann ...	3.65	0.91	5	9	...
Home Castle ...	6.50	2.15	14	7	4.56
Richmond Pen ...	7.15	1.45	13	12	5.88
Mahogany Hall ...	...	...	...	...	...
Bryan Castle ...	3.50	1.35	14	7	3.44
Braco ...	1.75	0.65	23	4	3.31
Arcadia ...	3.75	1.50	14	5	4.02
Lancaster ...	1.79	0.45	13	6	3.89
Harmony Hall ...	1.05	0.55	10	4	3.64
Vale Royal ...	3.03	1.05	14	8	4.64
Colchis Pen ...	3.95	1.25	30	8	5.23
Georgia ...	2.73	1.70	14	4	...
Long Pond ...	4.66	2.28	14	5	3.71
Hyde Hall ...	3.65	1.00	14	6	5.28
Steelfield ...	3.82	2.01	14	4	4.25
Etingdon ...	3.00	1.80	14	4	3.13
Lottery ...	...	...	...	...	...
Falmouth ...	1.51	0.52	4	6	3.46
Florence Hall ...	1.12	0.69	14	3	4.36
Good Hope ...	5.32	2.50	4	11	..
Canaan ...	6.62	1.55	4	11	7.96
Content ...	5.00	1.70	14	6	4.88
Guilsbro ...	5.28	2.10	21	13	7.91
Glasgow ...	6.70	3.00	14	6	...
Spring Estate ...	3.55	1.00	26	8	4.30
Montego Bay ...	7.19	1.36	21	14	6.91
Catherine Hall ...	8.73	1.21	16	15	6.89
Friendship ...	5.85	2.37	21	11	...
Retirement ...	9.53	2.88	8	17	...
King Gate ...	6.11	1.97	16	5	7.04
Blue Hole ...	8.65	5.09	16	3	...
Haughton Court ...	4.85	1.40	28	13	6.38
Lucea ...	7.79	1.78	21	17	7.68
Green Island ..	7.42	2.00	29	9	...
CENTRAL SUB-DIVISION.					
Rio Magno ...	4.36	1.50	12	5	...
Headworks, Rio Cobre ...	3.81	1.78	15	7	6.54
Linstead ...	4.91	1.50	14	9	8.01
Berkshire Hall ...	5.30	0.99	23	10	5.53
Point Hill ...	6.69	3.00	17	6	11.54
Bellas Gate ..	3.66	1.50	13	6	...
Croft Hill ...	2.81	0.96	16	5	9.74
Chapelton ...	5.68	1.85	15	10	7.91
Danks Works ...	4.01	1.37	15	11	9.37
Savoy House ...	4.90	1.50	15	12	9.35
Crooked River ...	6.64	2.25	1	11	..
Trout Hall ...	3.07	1.38	1	8	..
Frankfield ...	5.61	1.85	12	6	..
Mean ...	4.13	..	...	..	...

WEST-CENTRAL DIVISION.	SEPT., 1918. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Whitney	...	...	...	...	...
Mocho, Clarendon	1.60	0.70	3	4	10.50
Spaldings	6.54	1.89	30	14	...
Tan-y-bryn	4.97	1.06	30	14	...
Brokenhurst	1.72	0.50	13	8	9.53
Christiana	4.84	1.40	3	12	9.97
Chudleigh	5.35	1.60	1	13	10.31
Shooter's Hill	3.43	1.82	14	12	10.27
Kendal, Manchester	3.39	1.50	14	7	9.53
Marshalls Pen	5.65	1.82	12	8	8.74
Mandeville	4.86	2.65	12	12	10.04
Carlton, Mandeville	..	...	...	..	...
The Hill	...	...	.	...	...
Fairfield, Manchester	2.96	1.32	1	11	7.80
Ulster Spring	16.10	2.75	30	15	8.44
Freeman's Hall	5.98	2.05	7	13	..
Albert Town	10.53	2.08	7	10	11.20
Lowe River	14.49	2.00	16	11	10.39
Troy	17.23	6.50	1	11	13.77
Windsor Pen, Trel.	10.92	1.90	15	20	9.06
Medina	3.19	1.50	12	7	...
Balaclava Police Station	7.95	1.80	3	15	10.31
Siloah	14.78	3.65	30	17	13.29
Appleton Estate	13.90	2.67	9	18	11.50
Maggotty	12.48	1.95	9	13	11.84
Butlers	10.54	2.00	2	18	...
Dromilly Pen	5.06	1.30	15	14	...
Spring Vale	3.40	0.80	15	10	12.59
Garland	..	...	..	...	...
Mocho, Catadupa	..	...	..	...	...
Springfield, St. Elizabeth	14.06	2.50	2	16	...
Chesterfield, St. James	12.72	2.87	28	12	...
Catadupa Rly. Station	...	...	...	...	...
Kempshot	6.59	1.12	19	18	9.64
Cambridge, St. James	13.14	1.63	16	19	...
Ducketts	11.46	2.18	9	14	...
New Market, Police St.	11.09	2.85	2	16	...
The Bog, New Market	14.04	3.70	2	17	...
Kew Park	7.39	1.34	19	12	12.06
Montpelier	9.25	1.61	13	17	..
Burnt Ground	13.06	4.50	16	18	11.91
Knockalva	12.65	2.40	16	18	...
Ramble	...	...	...	...	...
Petersville	8.17	4.30	30	9	9.83
Darliston	8.26	1.54	1	19	13.79
Bluefields	6.14	1.12	12	13	11.04
Whithorn	8.83	1.43	23	19	12.06
Water Works Pen	7.85	1.10	21	18	...
Great Valley, Han.	11.58	2.50	15	10	12.27
Fontabelle, Westm.	7.94	2.27	29	13	10.90
Belleisle	..	...	...	..	..
Morgan's Bridge	9.79	2.15	23	9	12.18
King's Vale Police St.	10.60	1.90	7	8	11.44
Mean	8.46	...	...	...	...

SOUTHERN DIVISION.	SEPT., 1918. 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.	3.98	1.23	30	13	7.31
Elliott Hill	4.55	1.06	14	18	...
Pleasant Hill	5.42	1.62	30	11	...
East Prospect	3.87	1.05	20	11	8.06
Morant Bay	5.90	1.58	20	8	8.41
Easington	4.37	2.30	15	10	8.73
Bull Bay	0.00	...	..	...	4.70
Bellevue	4.87	1.56	14	11	...
Gordon Town	3.24	1.40	9	6	8.57
Widcombe	..	...	...	...	...
Hope Gardens	3.24	...	...	...	7.04
King's House Gardens	1.10	...	..	...	5.03
Melrose	...	...	...	...	..
Halfway Tree	0.16	0.16	13	1	5.09
Lunatic Asylum	0.70	0.27	13	4	4.72
Glenmore Road	0.85	0.23	13	7	...
Kingston P. W. Office	0.30	0.11	1	3	4.18
Plumb Point L. H.	3.04	1.08	13	6	3.81
Clifton Pen	0.00	...	...	0	...
Quarantine Station	0.50	0.50	14	1	...
Spanish Town	3.72	1.72	14	5	5.30
Hog Hole, St. Catherine	4.95	2.61	14	6	6.33
Hartlands	0.27	0.22	14	2	4.80
Belmont, Guanaboa Vale	4.70	1.70	3	9	...
Old Harbour	1.68	1.18	13	3	6.45
May Pen	2.40	1.00	3	8	7.89
Happy Hut	2.41	1.70	3	5	...
Dunkley's, Vere	6.08	3.22	3	8	6.52
Dry River "	3.90	1.74	12	4	...
Denbigh	...	...	...	...	...
Toll Gate	2.02	0.80	16	6	...
Woodleigh	...	..	..	...	...
New Yarmouth	4.86	1.67	3	6	5.73
Exeter, Vere	5.65	2.40	17	9	...
Milk River	4.88	3.53	16	3	6.33
Clarendon Pk. Ry. St.	...	..	...	...	...
Retrieve	2.44	1.16	16	6	...
Hog Hole, S. Manch.	3.15	1.65	18	5	...
Stone's Hope	1.86	0.78	1	3	8.30
Newport, Manchester	1.92	0.55	3	8	7.49
Great Valley, Man.	0.66	0.50	11	4	6.63
Alligator Pond	0.51	0.16	1	4	4.98
Southfield, St. Elizabeth	3.41	1.70	1	7	...
Lititz	1.45	1.11	1	5	...
Torrington	2.14	0.75	12	4	6.42
Bethlehem, St. Eliz.	5.32	1.26	11	9	6.78
Santa Cruz	5.97	1.70	1	13	10.38
Pedro Plains Police St.	0.96	0.46	1	3	4.98
Mountainside	2.57	0.63	1	6	...
Black River	0.80	0.30	30	7	5.75
Font Hill	2.65	1.95	30	3	7.11
Mount Edgecombe	5.25	1.82	30	9	8.39
Sweet River	5.39	1.20	21	14	7.83
Windsor, Sav.-la-mar	4.88	1.50	12	10	7.26
Orchard	4.81	1.51	12	11	...
Sav.-la-mar	4.64	1.35	15	11	6.96
Little London	.	...	..	...	...
Retreat	11.33	4.60	18	10	8.28
Negril Point L.H.	10.79	2.45	19	15	7.51
Mean	3.44	...	...	...	...

NOTES.

COMPARATIVE TABLE OF RAINFALL.
(Based upon the "Average" Stations only.)

DIVISIONAL AND ISLAND RAINFALL.	SEPTEMBER. 1918.	SEPTEMBER. Average.
	In.	In.
North-Eastern Division ...	5.62	8.68
Northern ,, ...	4.13	5.70
West-Central ,, ...	8.46	10.78
Southern ,, ...	3.44	6.49
The Island ...	5.41	7.91

SHOCKS OF EARTHQUAKE IN SEPT., 1918.

Date.	Standard Time (Approx.)	Intensity.	Notes: where felt, etc.
	hr. min.		
	No earthquake this month.		

On Sept. 9th. the U. S. Weather Bureau reported a weather disturbance over the Windward Islands: on the 10th. it was South of Porto Rico: on the 11th. it was south of Hayti: and there was some anxiety in Jamaica on the 12th. But the fall of the bar. was very small, hardly a tenth of an inch below the mean; the wind was hardly affected, there was some rain, but no indication of an approaching hurricane; and on the 13th the disturbance was reported to be near Great Inagua. It must have had small intensity.

Corrections to the first chart in the Weather Report for Sept. 1917.

In Dec. 1917 the Rev. M. Gutierrez-Lanza S. J. wrote Mr. Brennan from the Belen College, Havana, pointing out that the first chart in WR. No. 474 for Sept. 1917 was wrong; and I subsequently received the official Bulletin of Cuba for Sept., 1917 from Mr. Luis G. Carbonell which was to the same effect.

The second chart appears to be correct: there can be no doubt that there were two centres, not far apart, which passed along Jamaica. It has been suggested to me that there was only one highly oval centre: but the very first observations made at Morant Pt. Light house, Morant Bay, and Port Antonio show that this was not the case.

At 3 a. m. a centre passed over or near Morant Bay, while the wind at the Light-house was ESE, and at Port Antonio, N. The former direction had reference to that centre; the latter to the next centre which struck Port Antonio at 4 a. m. And it will be noticed that by joining the two centres and forming an oval area, the wind with hurricane force at the Light-house would have been blowing at right angles to the isobars, against the chief Cyclonic law.

And similarly for other places in the Island where the observations were sufficiently definite.

After the two centres had passed along Jamaica, the southern one with greatly reduced speed passed over Grand Cayman at noon on the 24th, the northern one with also greatly reduced speed apparently passed between Grand and Little Cayman; and there they apparently joined to form the terrible hurricane which passed over Nueva Gerona in the Isle of Pines, at 8 a. m. Sept. 25th. over Consolacion del Sur in the province of Pinar del Rio, at 8 p. m. and so into the Gulf and on to Pensacola.

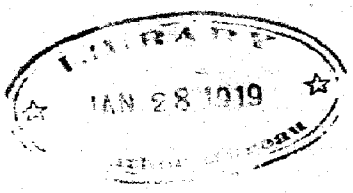
At Nueva Gerona and at Consolacion del Sur the bar. at both places fell at 27.74; in Jamaica it did not fall below 29.14; and I have suggested that the two centres joined in order to explain this extraordinary development in only two days.

The first chart in W. R. No. 474 should therefore be altered to suit these circumstances.

MAXWELL HALL,
Government Meteorologist.

Montego Bay P.O.

No. 488.



JAMAICA

WEATHER REPORT

FOR THE MONTH OF

OCTOBER, 1918.

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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 racto-stratus: the Middle clouds, cumulus; and the Upper clouds, cirro-stratus.

METEOROLOGICAL RESULTS.

Stations.	Elevation.	Bar. Pressure.		Temperatures.					Extreme Temperatures.				
		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	29.900	29.856	80.6	83.6	85.8	78.0	7.8	87.5	1*	73.0	25*	14.5
Kingston ..	24	29.884	29.827	75.8	84.1	88.5	73.7	14.8	92.3	12	71.6	31	20.7
Negril Point Light House ..	33	29.881	29.831	77.9	82.4	87.8	72.8	15.0	89.7	12*	70.8	6*	18.9
Castleton Gardens ..	496	..	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens† ..	668	..	..	..	..	..	..	..	..	..	..	..	..
Bavinton, Stony Hill** ..	1,349	29.899	29.841	70.2	75.8	82.8	67.9	14.9	86.0	6*	67.0	8*	19.0
Stony Hill Indus. School ..	1,400	..	..	71.0	75.6	82.7	67.9	14.8	87	9*	66	28	21
Kempshot ..	1,773	29.902	29.856	72.3	75.0	81.2	70.5	10.7	83.6	1	69.1	8*	14.5
Hill Gardens ..	4,900	..	..	..	..	..	..	..	..	..	..	..	..

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	73.9	80	74.3	74	8.14	208	E	8.8	NE	9.3	3.0	2.0	1.1	2.5	2.1	1.9
Kingston ..	24	71.3	86	73.7	71	2.17	148	N	3.9	SE	10.1	1.3	0.5	2.9	4.4	0.7	3.2
Negril Point Light House‡ ..	33	72.2	82	73.5	74	5.18	159	ENE	6.1	NE	7.3	1.0	0.2	3.1	2.8	5.0	0.3
Castleton Gardens ..	496	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens ..	668	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bavinton, Stony Hill ..	1,349	67.9	93	71.5	86	17.69	..	NE	1.4	SE	2.2	1.5	1.4	2.6	4.7	2.4	1.3
Stony Hill Indus. School ..	1,400	67.5	88	71.2	86	15.85	..	..	..	..	..	..	..	..	..	..	..
Kempshot ..	1,773	67.4	84	70.4	85	10.78	109	E	3.7	ENE	2.7	0.2	0.2	1.5	2.3	3.6	2.4
Hill Gardens ..	4,900	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

* and on other days.
‡ Negril Point Light House.
** Bavinton, Stony Hill.
† Hope Gardens. Bar. read at 9 a.m. and 3 p.m.

Wind 11 p.m.	ENE	6.4
Mean Min. temp. on grass		65.8
Earth temp. 1 ft. below surface		78.1
" 4ft. " "		78.0

THE RAINFALL.

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending his 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.	OCT., 1918. Total Fall.	Greatest fall in 24 hours. Amount	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Mauchioneal ...	15.50	2.15	19	19	18.91
Spring Valley ...	18.60	2.88	17	23	15.39
Bath ...	14.47	2.75	17	26	18.37
Priestman's River ...	14.19	3.00	17	13	...
Moore Town ...	10.90	2.05	..	..	21.93
Port Antonio ...	8.34	3.00	19	21	15.16
Fellowship ...	10.62	3.18	19	25	18.37
Johnson River Bridge ...	10.64	2.05	17	20	13.85
Shrewsbury ...	15.50	2.30	20	12	..
Cedar Valley, St. Thos. ...	16.27	2.65	26	17	15.05
Farm Hill ...	16.87	3.55	27	14	12.59
Hill Gardens ...	15.50	3.38	26	21	18.20
Chepstowe ...	5.07	2.00	22	5	..
Spring Garden ...	6.87	1.50	22	5	...
Buff Bay ...	3.64	1.35	19	15	11.76
Greenvale ...	5.12	1.12	28	10	12.45
Belvedere, Portland ...	4.05	1.76	19	8	...
Mt. Holstein ...	12.46	1.73	13	20	12.71
Irish Town ...	8.83	1.60	31	13	11.54
Rose Hill ...	19.00	3.45	9	20	...
Hardware Gap ...	15.25	...	...	..	16.36
Stony Hill Ind. School ...	15.85	2.59	28	26	14.38
Castleton Gardens ...	7.43	1.96	31	17	15.48
Lawrence Tavern ...	11.69	1.40	10	21	12.71
Cedar Valley, Red Hills ...	..	..	..	...	...
Zion Hill ...	12.92	2.45	4	23	...
Agualta Vale ...	2.08	0.87	22	10	5.66
Water Valley ...	6.99	1.59	13	12	8.18
Platfield ...	7.45	1.10	27	13	..
Richmond, St. Mary ...	5.13	1.15	29	17	9.83
Highgate ...	6.13	1.95	14	13	...
Hampstead, St. Mary ...	3.24	0.98	30	10	9.93
Guy's Hill ...	4.94	1.10	29	13	...
Lucky Hill ...	5.29	0.95	21	13	...
Rio Hoe ...	4.84	2.68	23	7	9.64
Unity Valley ...	5.96	1.55	21	17	9.50
Moneague ...	6.39	2.37	21	11	9.94
Claremont ...	4.70	1.20	24	8	8.41
Albion, St. Ann ...	7.67	1.37	28	16	9.02
Averham Park ...	3.61	1.50	21	7	9.35
Mean ...	9.80	...	...	...	...

NORTHERN DIVISION	OCT., 1918. Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In	In.			In.
Port Maria ...	1.31	0.50	9	11	8.86
Ocho Rios ...	2.35	0.70	8	4	4.84
Bogue, Ocho Rios ...	6.70	2.10	23	8	4.90
Rockfield ...	5.45	2.86	23	9	...
Drax Hall ...	1.80	0.70	30	7	7.58
Liberty Hill ...	6.40	2.50	23	7	6.58
St. Ann's Bay ...	3.11	1.00	30	10	7.22
Seville ...	..	...	...	...	...
Richmond Estate ...	..	..	..	..	...
Llandovery ...	3.64	1.35	30	6	7.48
Runaway Bay ...	0.40	0.40	30	1	...
Brown's Town ...	9.73	2.40	1	10	8.98
Alexandria ...	10.97	1.85	1	16	...
Watt Town, St. Ann ...	11.60	2.02	26	14	...
Home Castle ...	3.65	0.90	23	..	7.14
Richmond Pen ...	11.65	1.90	15	16	7.78
Mahogany Hall ...	...	...	...	...	...
Bryan Castle ...	2.30	0.80	20	9	8.81
Braco ...	2.35	1.15	20	5	5.42
Arcadia ...	4.45	1.20	18	8	6.24
Lancaster ...	3.90	1.55	20	11	5.96
Harmony Hall ...	3.77	1.47	20	12	5.42
Vale Royal ...	5.45	1.50	1	9	6.69
Colchis Pen ...	7.15	1.20	23	13	8.53
Georgia ...	7.64	2.40	1	11	..
Long Pond ...	7.03	1.35	1	9	..
Hyde Hall ...	7.25	1.50	20	12	..
Steelfield ...	6.58	2.17	20	10	..
Etingdon ...	6.40	2.50	20	11	..
Lottery ...	...	...	...	...	...
Falmouth ...	2.46	0.85	1	12	5.77
Florence Hall ...	2.28	0.85	20	4	..
Good Hope ...	..	..	..	..	...
Canaan ...	11.69	3.90	22	14	8.24
Content ...	3.40	0.96	15	11	..
Guilsbro ...	6.84	1.05	29	16	7.30
Glasgow ...	..	..	..	..	...
Spring Estate ...	2.17	0.48	1	7	7.65
Montego Bay ...	6.95	2.33	1	10	7.97
Catherine Hall ...	..	..	..	..	...
Friendship ...	5.16	1.33	20	14	...
Retirement ...	10.73	2.53	20	14	...
King Gate ...	7.06	1.60	29	6	9.12
Blue Hole ...	10.44	2.97	23	7	...
Haughton Court ...	5.90	1.60	10	10	6.80
Lucea ...	10.56	3.90	30	16	8.52
Green Island ..	7.13	2.07	17	12	...
CENTRAL SUB-DIVISION.					
Rio Magno ...	5.75	1.80	5	9	...
Headworks, Rio Cobre ...	3.96	1.65	17	14	9.79
Linstead ...	7.36	1.50	6	16	10.32
Berkshire Hall ...	5.38	1.07	1	16	6.42
Point Hill ...	12.99	2.80	2	11	16.83
Bellas Gate ..	6.37	2.00	26	11	...
Croft Hill ...	13.04	2.25	24	16	10.19
Chapelton ...	9.04	1.72	15	17	11.81
Danks Works ...	8.25	2.19	15	20	12.41
Savoy House ...	..	..	..	..	...
Crooked River ...	11.35	3.15	15	17	..
Trout Hall ...	12.14	2.20	29	14	..
Frankfield ...	14.18	2.55	22	17	..
Mean ...	6.04	..	...	...	...

WEST-CENTRAL DIVISION.	OCT., 1918. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Whitney ...	...	...	...	...	...
Mocho, Clarendon ...	11.40	2.00	26	11	15.90
Spaldings ...	14.12	2.77	26	27	...
Tan-y-bryn ...	13.83	2.38	26	23	...
Brokenhurst ...	8.93	0.80	30	19	14.94
Christiana ...	13.84	2.10	27	26	12.84
Chudleigh ...	10.63	3.53	23	23	11.73
Shooter's Hill ...	14.86	2.47	21	22	12.53
Kendal, Manchester ...	22.03	4.30	26	18	14.96
Marshalls Pen ...	12.34	2.33	27	21	12.75
Mandeville ...	12.45	2.75	27	24	16.56
Carlton, Mandeville ...	10.63	2.20	27	16	16.56
The Hill ...	...	...	..	...	...
Fairfield, Manchester ...	13.79	3.22	24	24	10.60
Ulster Spring ...	...	..	..	...	..
Freeman's Hall ...	...	...	..	..	..
Albert Town ...	...	...	..	...	...
Lowe River ...	...	..	..	..	..
Troy ...	16.93	2.10	28	20	16.49
Windsor Pen, Trel. ...	13.03	3.30	19	19	9.49
Medina ..	13.50	2.58	23	16	...
Balaclava Police Station...	13.80	2.13	28	22	13.38
Siloah ...	23.45	2.50	19	25	16.90
Appleton Estate ...	25.09	1.94	23	25	14.64
Maggotty ...	14.52	1.66	17	17	15.30
Butlers ...	14.97	2.00	22	25	...
Dromilly Pen ...	16.72	4.90	21	17	...
Spring Vale ...	11.78	2.32	15	16	10.42
Garland ...	..	...	..	...	...
Mocho, Catadupa ...	..	...	..	...	...
Springfield, St. Elizabeth	14.80	3.55	17	22	...
Chesterfield, St. James ...	...	...	..	..	...
Catadupa Rly. Station ...	..	...	...	...	...
Kempshot ...	10.78	2.55	28	22	9.60
Cambridge, St. James ..	16.14	1.51	15	26	...
Ducketts ...	...	..	..	..	...
New Market, Police St. ...	12.00	1.66	17	20	...
The Bog, New Market ...	14.53	2.50	16	26	...
Kew Park ...	...	...	..	..	..
Montpelier ..	10.63	1.74	16	20	..
Burnt Ground ...	9.45	1.20	17	25	10.57
Knockalva ...	13.14	1.50	17	24	...
Ramble ...	..	...	...	...	...
Petersville ...	13.88	3.34	7	17	16.23
Darliston ...	12.15	1.12	25	24	15.71
Bluefields ...	13.16	1.20	12	26	10.95
Whithorn ...	9.64	1.76	27	21	11.93
Water Works Pen ...	10 35	1.75	20	23	..
Great Valley, Han. ...	..	..	..	..	...
Fontabelle, Westm. ...	10.88	2.10	19	21	10.48
Belleisle ...	...	...	...	..	..
Morgan's Bridge ...	12.51	2.73	27	9	12.94
King's Vale Police St. ...	9.02	1.80	7	13	10.25
Mean ...	13.60	...	...	...	...

SOUTHERN DIVISION.	OCT., 1918. 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. ...	8.14	1.37	17	24	11.71
Elliott Hill ...	13.58	2.51	18	28	...
Pleasant Hill ...	11.09	2.34	17	20	...
East Prospect ...	16.57	3.20	17	18	10.99
Morant Bay ...	10.79	1.82	17	19	14.22
Easington ...	8.02	2.58	25	12	14.22
Bull Bay ...	2.63	0.72	21	6	10.26
Bellevue ...	7.01	1.33	26	21	...
Gordon Town ...	10.88	2.00	31	12	14.15
Widcombe ...	..	...	...	..	...
Hope Gardens ...	...	...	...	...	...
King's House Gardens ...	2.94	0.95	31	5	11.09
Melrose ...	2.23	0.54	31	11	...
Halfway Tree ...	2.37	0.50	31	9	9.90
Lunatic Asylum ...	1.43	0.74	30	7	7.93
Glenmore Road ...	2.64	0.95	30	10	...
Kingston P. W. Office ...	2.17	0.82	21	11	8.15
Plumb Point L. H. ...	4.08	1.80	17	8	7.67
Clifton Pen ...	4.70	0.75	30	11	...
Quarantine Station ...	1.49	0.51	24	5	...
Spanish Town ...	0.34	0.17	21	3	9.59
Hog Hole, St. Catherine...	1.02	0.26	9	6	10.09
Hartlands ...	1.83	1.00	25	6	8.00
Belmont, Guanaboa Vale	4.87	0.85	12	18	...
Old Harbour ...	4.67	1.34	25	7	11.07
May Pen ...	2.06	0.60	17	10	11.57
Happy Hut ..	3.64	2.00	21	6	...
Dunkley's, Vere ...	.	...	...	...	...
Dry River " ...	6.03	1.70	24	10	9.21
Denbigh ...	...	...	...	...	...
Toll Gate ..	7.40	2.50	27	9	...
Woodleigh ...	1.50	0.90	21		...
New Yarmouth ...	5.40	1.54	26	9	9.20
Exeter, Vere ...	..	...	..	...	...
Milk River ...	8.48	3.35	24	8	7.56
Clarendon Pk. Ry. St. ...	4.57	1.10	27	11	...
Retrieve ...	4.58	1.30	17	13	...
Hog Hole, S. Manch. ...	5.62	1.00	17	10	...
Stone's Hope ...	9.15	2.41	24	11	13.35
Newport, Manchester ...	7.33	2.14	24	24	13.26
Great Valley, Man. ...	7.22	1.75	24	15	11.37
Alligator Pond ...	4.03	1.40	24	10	8.77
Southfield, St. Elizabeth ...	5.02	1.73	25	15	...
Lititz ...	7.96	2.68	24	13	...
Torrington ...	8.62	2.33	24	16	11.26
Bethlehem, St. Eliz. ..	7.12	2.35	27	22	11.86
Santa Cruz ...	19.47	4.00	26	23	17.01
Pedro Plains Police St. ...	1.89	1.04	24	6	6.60
Mountainside ...	11.07	3.28	24	13	...
Black River ...	8.06	1.72	24	21	8.74
Font Hill ...	7.35	2.85	2	10	9.95
Mount Edgecombe ...	11.87	2.21	7	23	10.05
Sweet River ...	8.55	0.90	2	24	10.06
Windsor, Sav.-la-mar ...	4.18	1.15	2	15	8.40
Orchard ...	6.50	1.83	2	19	...
Sav.-la-mar ...	6.36	0.96	2	19	8.99
Little London ...	6.45	1.00	19	11	...
Retreat ...	6.91	0.82	5	17	10.96
Negril Point L.H. ...	5.18	0.94	16	19	8.37
Mean ...	6.32	...	...	...	...

NOTES.

COMPARATIVE TABLE OF RAINFALL.

Based upon the "Average" Stations only.)

DIVISIONAL AND ISLAND RAINFALL.	OCTOBER. 1918.	OCTOBER. Average.
	In.	In.
North-Eastern Division ...	9.86	13.22
Northern " ...	6.04	7.46
West-Central " ...	13.60	12.02
Southern ...	6.32	10.28
The Island ...	8.94	10. 4

SHOCKS OF EARTHQUAKE IN OCT., 1918.

Date.	Standard Time (Approx.)	Intensity.	Notes: where felt, etc.
	hr. min.		
28	6 p.m.		Mt. Holstein; E.N.E. very slight.

The rainfall was irregular over the whole island 0.34 inch was recorded at Spanish Town while 25.09 inches fell at Appleton.

Corrigendum—W. R. No. 487 p. 1. Bavinton.
Wind at 7 a.m. read E.N.E.
at 3 p.m. " S.

MAXWELL HALL,
Government Meteorologist.

Montego Bay P.O.

No. 489.

JAMAICA

WEATHER REPORT

FOR THE MONTH OF

NOVEMBER, 1918.

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 racto-stratus: the Middle clouds, cumulus; and the Upper clouds, cirro-stratus.

METEOROLOGICAL RESULTS.

Stations.	Elevation	Bar. Pressure. 7 a.m.	Bar. Pressure. 3 p.m.	Temperatures. 7 a.m.	Temperatures. 3 p.m.	Temperatures. Max.	Temperatures. Min.	Temperatures. Range	Extreme Temperatures. Max.	Date.	Extreme Temperatures. Min	Date.	Range.
	ft.	in.	in.	°	°	°	°	°	°		°		°
Morant Pt. Light House	8	29.923	29.884	79.0	82.8	84.5	76.9	7.6	83.0	1*	67.0	12	19.0
Kingston	24	29.909	29.848	71.8	84.3	87.3	70.7	16.6	90.3	15	65.1	9	24.2
Negril Point Light House	33	29.915	29.855	74.1	82.8	85.9	70.1	15.8	89.5	3*	61.7	9*	24.8
Castleton Gardens	496	..	..	67.2	81.9	85.1	66.2	19.9	90	14	62	11*	28
Hope Gardens†	668	29.925	29.840	69.2	83.0	87.1	66.5	20.6	90	15*	61	12	29
Bavinton, Stony Hill**	1,349	29.925	29.847	67.9	77.6	81.7	65.9	15.8	84.5	17	63.0	20*	21.5
Stony Hill Indus. School	1,400	..	..	..	..	..	..	..	..	..	..	..	..
Kempshot	1,773	29.926	29.870	70.4	74.7	78.5	68.7	9.8	81.8	30	66.3	9	15.5
Hill Gardens	4,900	..	..	..	..	..	..	..	..	..	..	..	..

Stations.	Elevation	Dew Point and Humidity. 7 a.m.		Dew Point and Humidity. 3 p.m.		Rainfall	Wind per diem.	Wind: direction from and miles per hour. 7 a.m.		Wind: direction from and miles per hour. 3 p.m.		Amount of Cloud. Lower, Middle and Upper. 7 a.m.			Amount of Cloud. Lower, Middle and Upper. 3 p.m.		
	ft.	°		°		in	miles		m.		m.	L.	M.	U.	L	M.	U.
Morant Pt. Light House	8	79.6	75	71.1	68	3.46	256	NE	15.0	NE	11.0	2.5	2.0	0.2	1.7	1.9	0.3
Kingston	24	67.8	87	71.3	65	0.71	162	N	4.5	SE	10.9	1.0	1.2	0.5	2.1	3.2	1.1
Negril Point Light House‡	33	68.8	83	71.0	8	4.55	199	NE	7.0	NNE	11.2	0.3	0.8	2.1	2.3	3.2	0.8
Castleton Gardens	496	65.4	93	72.3	72	9.74	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	63.5	84	69.1	62	1.79	..	..	..	..	..	..	..	..	..	..	..
Bavinton, Stony Hill	1,349	64.8	87	68.3	73	6.70	..	NNE	1.5	N	4.2	1.1	1.3	0.2	3.9	2.6	0.8
Stony Hill Indus. School	1,400	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kempshot	1,773	65.6	85	68.3	81	3.62	128	E	5.9	ENE	3.7	1.3	0.5	0.6	2.1	3.1	0.1
Hill Gardens	4,900	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

* and on other days
† Hope Gardens. Bar. read at 9 a.m. and 3 p.m.
‡ Negril Point Light House. Wind 11 p.m. NE 8.1
** Bavinton, Stony Hill. Mean Min. temp. on grass 62.2
Earth temp 1 ft. below surface 75.6
" 4ft. " " 76.7

THE RAINFALL.

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending his 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.	NOV. 1918. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Manchioneal ...	12.50	2.40	17	14	14.23
Spring Valley ...	...	...	...	...	...
Bath ...	12.31	2.90	6	21	12.95
Priestman's River ...	10.40	2.10	14	7	...
Moore Town ...	15.35	5.00	6	10	34.15
Port Antonio ...	12.92	3.24	14	13	16.39
Fellowship ...	...	...	...	...	...
Johnson River Bridge ...	4.82	0.68	23	17	6.70
Shrewsbury ...	25.48	7.00	6	9	30.11
Cedar Valley, St. Thos. ...	4.05	1.70	6	3	13.09
Farm Hill ...	14.52	8.15	6	5	34.16
Hill Gardens ...	4.32	1.30	22	15	...
Chepstowe ...	9.63	6.00	6	5	...
Spring Garden ...	9.10	3.00	24	11	...
Buff Bay ...	5.84	2.16	22	11	16.12
Greenvale ...	26.28	10.80	6	11	31.57
Belvedere, Portland ...	9.50	4.58	22	12	...
Mt. Holstein ...	10.74	9.25	6	18	26.11
Irish Town ...	8.00	1.90	3	6	11.02
Rose Hill ...	15.89	4.50	2	12	...
Hardware Gap ...	12.10	...	3	...	13.02
Stony Hill Ind. School ...	4.06	1.50	2	6	7.14
Castleton Gardens ...	9.47	2.75	30	11	14.42
Lawrence Tavern ...	2.92	1.53	6	7	8.33
Zion Hill ...	3.93	1.45	3	8	...
Agualta Vale ...	6.02	2.13	22	11	11.24
Water Valley ...	7.04	1.44	22	13	9.95
Platfield ...	6.92	2.63	21	11	...
Richmond, St. Mary ...	9.51	2.88	6	12	11.55
Highgate ...	...	...	...	...	...
Hampstead, St. Mary ...	9.93	1.93	21	15	21.06
Guy's Hill ...	7.16	2.20	22	11	...
Lucky Hill ...	4.54	1.45	6	8	...
Rio Hoe ...	5.01	2.00	6	5	9.40
Unity Valley ...	5.23	2.67	6	9	9.01
Moneague ...	5.20	2.95	7	7	9.90
Claremont ...	5.20	1.30	22	3	10.40
Albion, St. Ann ...	5.62	2.83	6	10	9.74
Averham Park ...	3.53	1.00	7	5	11.85
Mean —	9.75	...	...	...	...

NORTHERN DIVISION	NOV., 1918. Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In	In.			In.
Port Maria ...	1.88	0.41	21	12	10.69
Ocho Rios ...	1.50	0.70	20	4	7.73
Bogue, Ocho Rios ...	1.67	0.40	25	6	16.14
Rockfield ...	2.78	0.76	6	10	...
Drax Hall ...	2.40	0.50	25	10	10.04
Liberty Hill ...	2.53	0.54	21	9	12.96
St. Ann's Bay ...	1.74	0.38	22	11	9.00
Seville ...	2.00	0.70	9	7	9.80
Richmond Estate ...	2.44	0.76	16	7	...
Llandovery ...	2.86	1.20	15	5	9.16
Runaway Bay ...	2.53	1.04	15	5	...
Brown's Town ...	2.20	1.14	6	6	10.58
Alexandria ...	1.90	0.69	23	6	...
Watt Town, St. Ann ...	3.40	1.30	1	8	...
Home Castle ...	1.40	0.60	25	4	7.35
Richmond Pen ...	2.15	0.65	7	...	5.90
Mahogany Hall ...	...	...	...	...	...
Bryan Castle ...	1.40	0.85	5	5	6.40
Braco ...	2.40	0.90	10	8	5.88
Arcadia ...	1.40	0.40	5	7	6.47
Lancaster ...	2.69	0.70	8	9	6.34
Harmony Hall ...	2.26	0.50	9	8	5.75
Vale Royal ...	...	...	...	...	...
Colelus Pen ...	2.15	0.90	...	4	5.81
Georgia ...	2.20	0.65	24	5	5.84
Long Pond ...	2.04	0.82	24	7	5.52
Hyde Hall ...	2.90	1.60	24	8	4.82
Steelfield ...	2.26	0.81	24	4	5.90
Ettingdon ...	2.00	0.85	24	5	5.37
Lottery ...	...	...	...	...	...
Falmouth ...	2.94	1.25	5	10	4.92
Florence Hall ...	1.62	0.54	15	4	6.86
Good Hope ...	...	...	...	...	...
Canaan ...	3.88	0.60	24	11	5.03
Content ...	3.18	1.25	5	7	4.68
Guilsbro ...	3.07	0.68	21	16	5.78
Glasgow ...	...	...	...	...	...
Spring Estate ...	1.53	0.68	6	4	4.87
Montego Bay ...	1.19	0.42	23	10	4.30
Catherine Hall ...	...	...	...	...	...
Friendship ...	0.51	0.19	23	4	...
Retirement ...	1.87	0.35	21	9	...
King Gate ...	3.03	1.20	5	5	3.86
Blue Hole ...	5.55	2.90	13	7	...
Haughton Court ...	2.90	1.10	24	7	4.25
Lucea ...	4.86	1.79	24	9	5.71
Green Island ...	2.28	0.90	25	5	...
CENTRAL SUB-DIVISION.					
Rio Magno ...	7.17	1.54	9	9	...
Headworks, Rio Cobre ...	1.66	1.09	3	4	4.74
Linstead ...	4.09	1.52	18	10	5.92
Berkshire Hall ...	3.47	1.20	6	10	8.22
Point Hill ...	3.12	1.29	2	5	10.16
Bellas Gate ...	3.98	1.63	3	4	...
Croft Hill ...	2.80	1.40	17	4	8.41
Chapelton ...	2.36	1.28	18	6	4.49
Danks Works ...	4.32	1.49	18	8	4.99
Savoy House ...	...	...	...	...	...
Crooked River ...	5.70	1.70	18	4	...
Trout Hall ...	...	...	...	...	...
Frankfield ...	5.49	2.16	1	4	...
Mean —	2.48	...	...	...	...

WEST-CENTRAL DIVISION.	NOV., 1918.				
	Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
		In.			In.
Whitney ...	...	...	...	...	...
Mocho, Clarendon ...	6.63	2.00	5	4	5.10
Spaldings ...	6.47	2.20	5	12	...
Tan-y-bryn ...	3.96	1.23	19	15	...
Brokenhurst ...	...	...	...	...	...
Christiana ...	[illegible]	[illegible]	18	10	6.82
Chudleigh ...	4.12	0.99	5	12	9.07
Shooter's Hill ...	5.34	2.35	1	13	9.12
Kendal, Manchester ...	7.60	2.32	1	6	5.99
Marshalls Pen ...	4.03	1.40	19	10	6.16
Mandeville ...	5.09	1.43	1	12	6.29
Carlton, Mandeville ...	5.06	1.80	.	9	6.29
The Hill ...	...	...	...	...	...
Fairfield, Manchester ...	3.37	0.65	1	15	6.46
Ulster Spring ...	6.30	4.00	3	4	6.49
Freeman's Hall ...	4.09	1.60	3	7	...
Albert Town ...	1.72	0.92	24	3	9.66
Lowe River ...	3.02	1.29	2	6	8.51
Troy ...	3.63	1.50	2	6	6.46
Windsor Pen, Trel. ...	1.53	0.35	25	7	6.03
Medina ...	3.39	1.05	3	7	...
Balaclava Police Station...	5.20	1.04	2	9	5.91
Siloah ...	1.15	0.25	18	6	8.45
Appleton Estate ...	5.81	1.76	2	17	6.04
Maggotty ...	5.24	1.05	23	10	6.80
Butlers ...	...	...	..	..	...
Dromilly Pen ...	3.32	0.80	25	7	...
Spring Vale ...	2.43	1.43	3	5	6.08
Garland ...	..	...	..	...	...
Mocho, Catadupa ...	...	...	...	...	...
Springfield, St. Elizabeth ...	6.82	1.32	23	13	...
Chesterfield, St. James ...	4.05	1.00	2	5	...
Catadupa Rly. Station ...	..	...	...	...	...
Kempshot ...	3.62	0.70	24	15	6.18
Cambridge, St. James ...	2.51	1.00	3	7	...
Ducketts ...	4.08	1.00	15	5	...
New Market, Police St. ...	7.49	2.10	5	12	...
The Bog, New Market ...	...	...	.	.	...
Kew Park ...	..	...	.	.	..
Montpelier ..	2.72	1.24	23	6	..
Burnt Ground ...	3.69	1.35	23	9	4.99
Knockalva ...	6.61	2.08	24	12	...
Ramble ...	..	...	...	...	...
Petersville ...	3.90	1.07	23	8	6.49
Darliston ...	6.11	1.70	23	8	7.48
Bluefields ...	6.06	0.84	23	13	7.56
Whithorn ...	3.34	1.50	22	6	6.92
Water Works Pen ...	4.95	2.00	23	11	..
Great Valley, Han. ...	5.35	2.60	3	4	5.81
Fontabelle, Westm. ...	6.38	1.20	15	10	3.03
Belleisle ...	...	...	...	..	.
Morgan's Bridge ...	9.34	3.00	3	5	5.30
King's Vale Police St. ...	3.25	0.65	13	8	5.46
Mean ...	4.57	...	...	...	...

SOUTHERN DIVISION.	NOV., 1918.				
	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. ...	3.46	1.16	23	15	6.90
Pleasant Hill ...	8.19	3.02	23	13	...
East Prospect ...	4.36	1.25	23	10	11.94
Morant Bay ...	2.56	1.05	23	11	6.44
Easington ...	2.30	0.92	5	9	5.35
Bull Bay ...	1.77	0.65	8	4	3.71
Bellevue ...	5.51	1.28	11	13	...
Gordon Town ...	7.35	2.00	2	7	9.57
Hope Gardens ...	4.79	...	...	.	6.35
King's House Gardens ...	3.15	0.80	17	6	3.31
Melrose ...	3.58	1.27	2	7	...
Halfway Tree ...	0.87	0.31	3	5	3.66
Lunatic Asylum ...	0.71	0.35	11	3	3.57
Glenmore Road ...	1.44	0.55	3	7	...
Kingston P. W. Office ...	0.71	0.37	6	4	3.00
Plumb Point L. H. ...	0.05	0.05	11	1	2.32
Clifton Pen ...	0.95	0.40	3	4	...
Quarantine Station ...	0.13	0.05	14	2	...
Spanish Town ...	1.04	0.44	22	4	3.56
Hog Hole, St. Catherine...	3.82	1.04	4	7	4.34
Hartlands ...	2.45	0.75	4	8	9.65
Belmont, Guanaboa Vale	2.27	0.85	11	9	...
Old Harbour ...	1.54	0.76	5	4	3.69
May Pen ...	2.90	1.10	5	7	4.51
Maysville ..	4.65	1.23	5	9	...
Dunkley's, Vere ...	...	...	...	...	...
Dry River " ...	1.66	0.50	5	6	7.48
Denbigh ...	...	...	...	...	...
Toll Gate ...	3.09	0.76	15	9	...
Woodleigh ...	...	...	...	...	...
New Yarmouth ...	1.83	0.69	21	5	2.66
Exeter, Vere ..	1.65	0.50	4	7	...
Milk River ...	2.05	0.90	4	3	4.26
Clarendon Pk. Ry. St. ...	..	...	..	...	...
Retrieve ...	2.15	0.50	21	10	...
Hog Hole, S. Manch. ...	4.64	1.28	4	8	...
Stone's Hope ...	6.05	2.04	5	8	5.01
Newport, Manchester ...	4.47	1.50	14	17	6.29
Great Valley, Man. ...	3.01	0.83	4	14	4.24
Alligator Pond ...	2.91	1.18	5	9	2.97
Southfield, St. Elizabeth ...	3.45	0.65	17	10	...
Lititz ...	5.60	2.29	5	16	...
Torrington ...	6.19	1.35	6	13	6.99
Bethlehem, St. Eliz. ...	8.03	1.01	4	15	7.32
Santa Cruz ...	7.18	1.50	1	13	5.89
Pedro Plains Police St. ...	2.69	1.20	10	6	4.01
Mountainside ...	8.54	2.92	3	9	...
Black River ...	2.23	0.80	22	7	4.53
Font Hill ...	...	...	...	...	...
Mount Edgecombe ...	2.78	0.60	15	10	5.00
Sweet River ...	...	...	..	..	...
Windsor, Sav.-la-mar ...	4.65	1.65	24	10	3.64
Orchard ...	5.05	2.17	24	12	...
Sav.-la-mar ...	2.36	0.67	22	7	3.10
Little London ...	4.20	1.50	15	8	...
Retreat ...	6.22	1.65	15	9	4.79
Negril Point L.H. ...	4.55	2.00	15	8	3.21
Mean ...	3.31	...	...	...	...

NOTES.

COMPARATIVE TABLE OF RAINFALL.

Based upon the "Average" Stations only.)

DIVISIONAL AND ISLAND RAINFALL.	NOVEMBER. 1918.	NOVEMBER. Average.
	In.	In.
North-Eastern Division ...	9.75	13.54
Northern ,, ...	2.48	5.91
West-Central ,, ...	4.57	5.74
Southern ...	3.31	4.56
The Island ...	5.03	7.44

SHOCKS OF EARTHQUAKE IN NOV., 1918.

Date.	Standard Time (Approx.)	Intensity.	Notes: where felt, etc.
	hr. min.		
11	6 0 a.m.		Pt. Antonio, Moore Town and Hope Bay. No record at Mt. Holstein.

The rainfall was uniform and light; only a few stations at the West end recording more than their average fall. 26.28 inches fell at Greenvale in the N.E. division and 9.05 inches at the Plumb Point L.H. 0.20 inches of hail fell at the Negril Point L.H. on the 21st.

MAXWELL HALL,
Government Meteorologist.

Montego Bay P.O.

No. 490.

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JAMAICA

WEATHER REPORT

FOR THE MONTH OF

DECEMBER, 1918.

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 racto-stratus: the Middle clouds, cumulus; and the Upper clouds, cirro-stratus.

METEOROLOGICAL RESULTS.

Stations.	Elevation.	Bar. Pressure.		Temperatures.					Extreme Temperatures.				
		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	29.977	29.938	78.5	81.3	82.7	76.9	5.8	84.5	1*	65.0	29	19.5
Kingston ..	24	29.958	29.909	70.9	83.8	87.5	70.3	17.2	91.4	10	66.6	27	24.8
Negril Point Light House ..	33	29.965	29.905	73.2	82.9	86.4	70.5	15.9	89.4	9	66.0	29	23.4
Castleton Gardens ..	496	..	..	67.5	80.7	84.6	66.5	18.1	90	14	60	23	30
Hope Gardens† ..	668	29.986	29.916	69.2	83.8	87.3	66.0	21.3	91	11	63	1	28
Bavinton, Stony Hill** ..	1,349	29.976	29.897	66.6	77.4	80.5	65.1	15.4	84.0	14	61.0	27	23.0
Stony Hill Indus. School ..	1,400	..	..	..	..	..	..	..	..	..	..	..	..
Kempshot ..	1,773	29.974	29.926	69.0	73.2	76.7	67.7	9.0	82.1	28	65.0	29	17.1
Hill Gardens ..	4,900	25.261	25.226	62.5	64.7	67.6	55.0	12.6	72	18	53	24	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	71.2	74	72.4	75	4.15	336	NE	15	NE	16	3.6	1.3	0.6	3.0	1.9	0.5
Kingston ..	24	66.6	86	70.5	65	0.57	162	N	4.4	SE	13.3	2.5	1.2	0.2	4.0	1.6	0.5
Negril Point Light House‡ ..	33	67.4	82	70.1	66	1.43	200	NE	8.0	Var.	9.7	2.6	1.0	0.5	1.6	4.6	0.3
Castleton Gardens ..	496	65.5	93	70.9	71	8.57	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens ..	668	62.7	81	68.6	60	1.29	..	..	..	..	..	..	..	..	..	..	..
Bavinton, Stony Hill ..	1,349	63.7	90	68.4	74	1.25	..	NE	1.6	NNW	3.9	3.6	1.3	0.3	4.9	2.3	0.7
Stony Hill Indus. School ..	1,400	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kempshot ..	1,773	65.4	80	68.3	85	2.92	208	E	6.9	E	4.4	3.4	0.1	1.6	1.9	3.8	0.6
Hill Gardens ..	4,900	57.8	83	55.8	89	3.51	..	..	..	..	..	..	..	..	..	..	..

* and on other days.
† Hope Gardens. Bar. read at 9 a.m. and 3 p.m.
‡ Negril Point Light House. Wind 11 p.m. NE 8.0
** Bavinton, Stony Hill. Mean Min. temp. on grass 61.5
Earth temp. 1 ft. below surface 74.6
" 4ft. " " 75.6

THE RAINFALL.

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NORTH-EASTERN DIVISION.	DEC. 1918. Total Fall.	Greatest fall in 24 hours. Amount	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Manchioneal ...	8.06	1.20	14	15	8.02
Spring Valley ...	9.81	1.15	6	21	11.11
Bath ...	10.98	2.22	5	24	8.80
Priestman's River ...	6.49	1.35	13	6	...
Moore Town ...	17.15	2.60	31	15	25.39
Port Antonio ...	10.67	1.52	11	19	13.78
Fellowship ...	20.57	2.47	13	30	19.92
Johnson River Bridge ...	3.66	1.33	14	22	5.53
Shrewsbury ...	...	...	...	...	...
Cedar Valley, St. Thos. ...	1.90	0.40	7	6	5.52
Farm Hill ...	6.35	1.75	30	6	10.94
Hill Gardens ...	3.51	1.47	30	7	10.73
Chepstowe ...	10.03	6.00	6	9	...
Spring Garden ...	7.94	5.00	6	7	...
Buff Bay ...	9.49	4.07	6	17	11.81
Greenvale ...	...	...	...	...	...
Belvedere, Portland ...	17.35	8.94	6	14	...
Mt. Holstein ...	13.49	3.94	5	26	17.04
Irish Town ...	1.38	0.75	30	3	4.28
Rose Hill ...	1.56	0.72	16	3	...
Hardware Gap ...	4.04	...	...	...	6.86
Stony Hill Ind. School ...	0.16	0.16	30	1	4.16
Castleton Gardens ...	8.57	2.70	31	11	12.92
Lawrence Tavern ...	1.80	0.68	28	6	4.48
Cedar Valley, Red Hill ...	2.41	0.44	21	7	...
Zion Hill ...	2.21	0.75	6	6	...
Agualta Vale ...	17.87	11.93	6	17	9.65
Water Valley ...	23.32	11.60	6	17	7.97
Platfield ...	5.95	4.00	5	11	...
Richmond, St. Mary ...	9.79	5.13	6	13	9.50
Highgate ...	...	...	...	...	...
Hampstead, St. Mary ...	19.61	5.37	6	17	13.35
Guy's Hill ...	8.91	2.77	7	15	...
Lucky Hill ...	15.77	6.94	6	12	...
Rio Hoe ...	7.59	3.24	6	11	9.10
Unity Valley ...	5.04	1.71	6	13	7.66
Moneague ...	7.99	2.06	6	14	7.60
Claremont ...	11.10	2.50	6	7	8.49
Albion, St. Ann ...	4.70	1.66	6	12	8.19
Averham Park ...	9.06	2.45	5	8	10.41
Mean ...	9.17	...	...	...	...

NORTHERN DIVISION	DEC., 1918. Total fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In	In.			In.
Port Maria ...	12.49	5.42	6	15	8.06
Ocho Rios ...	7.00	3.35	6	6	5.74
Bogue, Ocho Rios ...	7.23	2.80	16	10	7.00
Rockfield ...	12.11	3.15	16	12	...
Drax Hall ...	7.83	4.40	6	9	8.47
Liberty Hill ...	9.72	4.20	6	11	9.05
St. Ann's Bay ...	7.40	4.60	6	13	7.07
Seville ...	6.07	3.95	6	6	7.77
Richmond Estate ...	6.53	3.80	6	10	8.55
Llandovery ...	6.08	3.46	6	6	8.17
Runaway Bay ...	4.93	2.90	6	6	...
Brown's Town ...	9.38	3.20	6	9	8.85
Alexandria ...	2.97	1.12	6	7	...
Watt Town, St. Ann ...	2.20	1.50	6	3	...
Home Castle ...	8.45	...	...	...	...
Richmond Pen ...	3.27	2.00	5	8	4.86
Mahogany Hall ...	...	...	...	...	...
Bryan Castle ...	6.05	3.40	6	7	6.54
Braco ...	9.60	4.25	7	9	5.80
Arcadia ...	8.10	4.66	6	11	6.78
Lancaster ...	6.82	3.45	6	8	6.54
Harmony Hall ...	6.02	2.38	6	9	6.13
Vale Royal ...	..	...	..	...	...
Colchis Pen ...	4.25	1.40	5	4	4.47
Georgia ...	7.13	3.85	6	10	6.59
Long Pond ...	8.54	5.73	6	10	...
Hyde Hall ...	8.80	6.60	6	9	...
Steelfield ...	6.42	4.25	6	7	...
Etingdon ...	8.70	6.20	6	9	...
Lottery ...	...	...	...	...	...
Falmouth ...	3.45	2.70	6	5	5.17
Florence Hall ...	4.32	3.74	6	2	4.47
Good Hope ...	..	..	..	..	..
Canaan ...	5.38	3.70	6	11	5.03
Content ...	..	...	...	..	...
Guilsbro ...	..	...	...	..	...
Glasgow ...	..	..	..	..	...
Spring Estate ...	2.60	0.40	7	7	5.57
Montego Bay ...	2.98	1.50	6	10	4.75
Catherine Hall ...	..	..	..	..	...
Friendship ...	3.84	2.76	6	6	...
Retirement ...	3.80	2.75	6	8	...
King Gate ...	2.88	1.20	6	6	3.74
Blue Hole ...	1.84	0.66	6	4	...
Haughton Court ...	1.20	0.45	6	6	3.67
Lucea ...	1.86	0.84	6	7	3.95
Green Island ..	1.33	1.33	15	1	...
CENTRAL SUB-DIVISION.					
Rio Magno ...	8.95	2.40	7	6	...
Headworks, Rio Cobre ...	1.90	0.52	8	9	2.05
Linstead ...	3.88	3.70	5	3	3.70
Berkshire Hall ...	3.69	1.44	6	11	4.28
Point Hill ...	4.17	1.60	6	6	5.92
Bellas Gate ...	2.10	1.50	7	3	...
Croft Hill ...	0.88	0.46	1	3	2.88
Chapelton ...	1.25	0.21	7	8	2.47
Danks Works ...	0.67	0.24	5	8	2.57
Savoy House ...	...	...	...	...	...
Crooked River ...	0.45	0.45	5	1	..
Trout Hall ...	...	...	...	...	..
Frankfield ...	1.28	1.00	5	4	..
Mean ...	5.25	..	...	...	...

WEST-CENTRAL DIVISION.	DEC., 1918. Total Fall.	Greatest fall in 24 hours. Amount.	Date.	Days on which 0.01 or more fell.	Average.
	In.	In.			In.
Whitney ...	...	...	...	...	...
Mocho, Clarendon ...	2.55	1.90	7	3	2.80
Spaldings ...	1.50	0.46	5	14	...
Tan-y-bryn ...	0.99	0.21	5	11	...
Brokenhurst ...	2.78	0.80	12	10	3.80
Christiana ...	1.17	0.59	5	7	3.68
Chudleigh ...	1.17	0.35	5	10	3.18
Shooter's Hill ...	1.67	1.11	7	9	3.09
Kendal, Manchester ...	2.06	1.83	7	3	2.92
Marshalls Pen ...	2.32	1.54	7	6	3.66
Mandeville ...	1.99	1.10	7	17	3.62
Carlton, Mandeville ...	1.97	1.12	7	10	3.62
The Hill ...	...	...	...	...	...
Fairfield, Manchester ...	1.40	0.42	7	9	2.94
Ulster Spring ...	3.15	2.45	6	2	4.26
Freeman's Hall ...	...	...	...	...	...
Albert Town ...	1.75	1.75	6	1	4.59
Lowe River ...	2.40	2.00	10	2	3.61
Troy ...	1.55	0.50	16	5	3.58
Windsor Pen, Trel. ...	2.46	1.12	5	5	4.51
Medina ...	0.30	0.30	16	1	...
Balaclava Police Station ...	1.01	0.57	28	6	2.42
Siloah ...	1.85	1.60	12	2	3.59
Appleton Estate ...	2.63	2.20	12	4	3.04
Maggotty ...	3.87	1.70	12	5	2.98
Butlers ...	...	...	...	...	...
Dromilly Pen ...	4.55	3.40	6	5	...
Spring Vale ...	6.37	2.00	6	5	6.27
Springfield, St. Elizabeth ...	1.15	0.17	10	11	...
Chesterfield, St. James ...	0.95	0.50	5	3	...
Kempshot ...	2.92	1.46	6	9	5.40
Cambridge, St. James ...	0.70	0.40	6	5	...
Ducketts ...	0.90	04.5	5	3	...
New Market, Police St. ...	1.11	0.23	22	8	...
The Bog, New Market ...	1.95	0.83	22	7	...
Kew Park ...	...	...	...	...	...
Montpelier ...	1.91	0.78	6	6	...
Burnt Ground ...	2.14	0.55	6	7	3.43
Knockalva ...	1.42	0.76	6	5	...
Petersville ...	4.23	1.95	23	5	2.72
Darliston ...	2.83	1.40	17	6	3.47
Bluefields ...	2.78	0.47	1	10	2.74
Whithorn ...	0.28	0.13	22	3	2.94
Water Works Pen ...	0.95	0.25	20	6	...
Great Valley, Man. ...	...	...	...	...	...
Fontabelle, Westm. ...	1.45	1.06	15	5	3.20
Morgan's Bridge ...	2.20	2.20	15	1	3.28
King's Vale Police St. ...	1.75	0.80	15	4	3.33
Mean ...	2.30	...	...	...	...

SOUTHERN DIVISION.	DEC., 1918. 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. ...	4.15	0.75	14	22	6.41
Pleasant Hill ...	9.59	1.33	14	15	...
East Prospect ...	4.78	0.85	13	21	4.87
Morant Bay ...	3.00	0.43	5	20	4.52
Easington ...	1.59	0.68	28	8	3.31
Bull Bay ...	0.63	0.48	23	2	1.75
Bellevue ...	1.24	0.41	23	11	...
Gordon Town ...	1.03	0.75	25	2	3.37
Hope Gardens ...	1.29	...	...	...	2.83
King's House Gardens ...	0.00	...	...	...	1.90
Melrose ...	0.52	0.24	31	4	...
Halfway Tree ...	0.67	0.25	23	3	2.12
Lunatic Asylum ...	0.29	0.18	6	5	2.03
Glenmore Road ...	0.61	0.28	6	6	...
Kingston P. W. Office ...	0.57	0.16	7	10	1.78
Plumb Point L. H. ...	0.80	0.25	15	7	1.60
Clifton Pen ...	0.38	0.38	28	1	...
Quarantine Station ...	0.90	0.39	23	5	...
Spanish Town ...	1.23	0.39	23	6	2.08
Hog Hole, St. Catherine ...	3.37	0.83	7	10	2.83
Hartlands ...	2.04	0.84	23	5	2.19
Belmont, Guanaboa Vale ...	1.75	0.37	19	10	...
Old Harbour ...	1.98	0.71	18	8	2.71
May Pen ...	0.95	0.70	28	2	2.40
Maysville ...	0.90	0.60	28	2	...
Dunkley's, Vere ...	...	...	...	...	...
Dry River " ...	1.18	0.53	23	6	2.16
Denbigh ...	...	...	...	...	...
Toll Gate ...	0.90	0.40	7	4	...
Woodleigh ...	0.70	0.70	28	1	...
New Yarmouth ...	1.46	0.37	23	6	1.97
Exeter, Vere ...	1.35	0.60	19	6	1.97
Milk River ...	2.35	1.15	23	3	2.48
Clarendon Pk. Ry. St. ...	...	...	...	...	...
Retrieve ...	1.06	0.50	7	5	...
Hog Hole, S. Manch. ...	2.29	1.10	7	5	...
Stone's Hope ...	0.87	0.41	18	3	2.85
Newport, Manchester ...	1.56	0.33	7	12	4.11
Great Valley, Man. ...	2.70	0.76	12	9	2.77
Alligator Pond ...	2.90	0.70	18	11	2.79
Southfield, St. Elizabeth ...	1.31	0.47	15	7	...
Lititz ...	0.50	0.35	28	4	...
Torrington ...	1.21	0.38	18	5	2.72
Bethlehem, St. Eliz. ...	1.35	0.84	18	8	2.44
Santa Cruz ...	2.79	1.74	7	5	2.77
Pedro Plains Police St. ...	...	...	...	...	...
Mountainside ...	...	...	...	...	...
Black River ...	2.94	2.17	7	7	2.27
Font Hill ...	0.90	0.85	7	2	2.08
Mount Edgecombe ...	3.43	1.56	12	9	2.44
Sweet River ...	0.80	0.48	15	4	2.46
Windsor, Sav.-la-mar ...	0.33	0.20	15	3	2.48
Orchard ...	0.37	0.21	14	5	...
Sav.-la-mar ...	0.29	0.13	20	4	2.36
Little London ...	1.40	0.60	12	3	...
Retreat ...	2.46	1.05	11	6	2.41
Negril Point L.H. ...	1.43	0.73	23	8	2.12
Mean ...	1.68	...	...	...	...

NOTES.

COMPARATIVE TABLE OF RAINFALL.

Based upon the "Average" Stations only.)

DIVISIONAL AND ISLAND RAINFALL.	DECEMBER. 1918.	DECEMBER. Average.
	In.	In.
North-Eastern Division ...	9.17	10.28
Northern ,, ...	5.25	5.45
West-Central ,, ...	2.30	3.60
Southern ...	1.68	2.61
The Island ...	4.60	5.48

SHOCKS OF EARTHQUAKE IN DEC., 1918.

Date.	Standard Time (Approx.)	Intensity.	Notes: where felt, etc.
	hr. min.		
	10 35 p.m.	III	Mt. Holstein; S.E. and N.W. .045; N. and S. .030 Loud sound.
		I	Halfway Tree, Unity Valley and Montego Bay.

The heaviest fall was 23.32 inches at Water Valley and the ightest 0.16 inch at Stony Hill; both stations being in the North-eastern division.

MAXWELL HALL,
Government Meteorologist.

Montego Bay P.O.

THE ISLAND RAINFALL, 1918.

Month.	N.E.	N.	W.C.	S.	The Island.
	In.	In.	In.	In.	In.
Jan. ..	1.27	0.70	0.90	0.66	0.88
Feb. ..	6.20	1.98	3.15	2.17	3.38
Mar. ...	4.66	2.59	11.68	4.36	5.82
Apr ...	6.13	4.55	9.31	5.52	6.38
May ...	17.51	7.96	15.50	9.26	12.56
June ...	6.41	3.68	6.58	3.56	5.06
July ...	3.95	2.38	5.83	2.25	3.60
Aug ...	7.23	4.68	10.57	6.58	7.26
Sept. ...	5.62	4.13	8.46	3.44	5.41
Oct. ...	9.80	6.04	13.60	6.32	8.94
Nov. ...	9.75	2.48	4.57	3.31	5.03
Dec ..	9.17	5.25	2.30	1.68	4.60
Totals ...	87.70	46.42	92.45	49.11	68.92

MAGNETIC VARIATION.

Kempshot.		Dec. E.
1912	...	2° 28
1913	...	30
1914	..	31
1915	..	36
1916	...	35
1917	...	35
1918	...	2 36

METEOROLOGICAL RESULTS FOR the year 1918.

KINGSTON, JAMAICA. Mean results for the year 1918. Elevation, 24 feet.

Month.	Bar Pressure.		Temperature.						Extremes for the Month.			Dewpoint and humidity.				Rain-fall.	Miles of Wind per diem.
	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.			
	in.	in.	°	°	°	°	°	°	°	°	°	°		°		ins.	
January ..	29.964	29.921	75.0	68.1	82.5	84.5	67.1	17.4	91.5	56.9	34.6	62.8	83	66.6	59	0.58	203.5
February ..	30.004	29.958	75.3	68.3	82.3	85.0	67.6	17.4	88.8	64.6	24.2	63.6	85	67.3	61	0.52	174.7
March ..	29.993	29.950	75.3	69.3	80.8	85.3	67.6	17.7	87.5	65.3	22.2	64.6	85	68.0	66	1.02	169.6
April ..	29.927	29.878	77.5	73.2	82.2	86.1	70.4	15.7	88.4	67.4	21.0	68.3	85	70.3	68	3.16	198.9
May ..	29.935	29.899	77.8	75.0	80.5	86.3	71.2	15.1	90.6	68.6	22.0	70.3	85	71.8	75	3.44	166.9
June ..	29.921	29.890	79.7	76.5	84.0	87.6	72.8	14.8	92.0	69.6	22.4	70.6	82	71.5	66	0.84	212.7
July ..	29.951	29.911	81.4	77.3	86.8	90.0	73.5	16.5	92.7	70.6	22.1	69.7	78	71.7	61	0.24	249.7
August ..	29.949	29.909	81.3	77.1	86.4	90.1	73.6	16.5	94.2	69.8	24.4	70.4	80	72.7	65	2.87	220.5
September ..	29.913	29.867	81.3	77.5	85.7	90.0	73.9	16.1	91.9	71.2	20.7	71.3	81	73.5	67	0.30	188.9
October ..	29.884	29.827	80.0	75.8	84.1	88.5	73.7	14.8	92.3	71.6	20.7	71.3	86	73.7	71	2.17	147.8
November ..	29.909	29.848	78.0	71.8	84.3	87.3	70.7	16.6	90.3	66.1	24.2	67.8	87	71.3	65	0.71	161.7
December ..	29.958	29.900	77.6	70.9	83.8	87.5	70.3	17.2	91.4	66.6	24.8	66.6	86	70.5	65	0.57	161.5
Total ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	16.42	...
Means ..	29.942	29.896	78.4	73.4	83.6	87.3	71.0	16.3	91.0	67.4	23.6	68.1	84	70.7	66		188.0

Month.	Wind from and miles per hour.						Clouds in tenths of the Sky.						Weather Conditions.
	7 a.m.		3 p.m.		11 p.m.		Lower.		Middle.		Upper.		
							7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m	
		mls.		mls.		mls.							
January	NNE	6 2	SE	14.9	NE by N	6.4	1.6	1.4	0.7	1.6	1.2	0.5	Fine on 19 days. Rainfall about one half the average. "Norther" on 1st, 2nd, 4th, and 5th. Sea breeze continued till late on 11th, 16th, and 17th. Humidity 4 per cent. below the mean.
February	N by W	4.6	SE	14.3	N by E	4.4	2.2	3.1	1.4	2.2	0.0	0.4	Fine on 10 days. Rainfall about three-fourths the average. SE squalls on 9th, 14th and 28th. Sea breeze continued till late on 14th. Humidity 1 per cent. below the mean.
March	N by E	4.6	SE	13.2	N N E	4 3	1.0	4.6	0.2	2.1	0.3	0 6	Fine on 11 days. Rainfall about the average. SE squall on 3rd. Thunderstorm on 14th and 22nd. Humidity 2 per cent. above the mean.
April	N by E	3.6	SE	14 6	E N E	4.9	1.0	3.4	1.1	3.0	0.8	0.5	Fine on 10 days. The rainfall was three times the average therefore affecting considerably, the percentage of Humidity. Dist. lightning on several days. T. storms on 7th, 8th, 11th, 14th and 16th. Sea breeze throughout nights of 18th and 24th.
May	NNE	5.0	SE by E	10.9	N by W	3.6	2.2	5.9	0.8	1 2	2.5	2.2	Fine on 3 days. Rainfall three-fourths the average. "Norther" on 5th and 7th. Dist. lightning on several days. T. storms on 10th, 11th, 12th, 13th, 18th, 19th and 22nd. Sea breeze till late on 24th. Humidity 6 per cent. above the mean.
June	ENE	5.7	SE	15.8	E	4.9	1.6	2.7	1.1	1 6	2.1	3.3	Fine on 12 days. Rainfall about one-fifth the average. Dist. lightning frequently. T. storms on 10 days. Squalls on 12th, 23rd and 29th. Sea breeze continued all night on 21st and 22nd.
July	NE by N	5.5	SE	18.9	N by E	4.2	0.3	0.6	0.8	1 5	1.8	3.7	Rainfall very deficient being only about 13 per cent. of the average. Fine generally. Dist. lightning and T. storms frequently. Rainsqualls to E on 13th and SE squall 36 m.p.h., 4.40 a.m. on 19th. Sea breeze till late on 10 nights. Humidity somewhat below the mean.
August	NNE	4.6	SE	17.4	N N E	4 8	0.4	2.5	1.1	1 3	3.0	2.4	Fine on 21 days. Rainfall about three-fourths the average. Dist. lightning and T. storms very frequently. Disturbances passed S of Island on 3rd and 24th. Squally on 24th. Humidity somewhat below the mean.
Sept.	NNE	4.0	SE	14.1	N E	5.1	0.1	2.8	0.7	1.9	2.6	2.3	Fine on 16 days. Rainfalls very deficient being only about 7 per cent. of the average. Dist. lighning and T. storms very frequently. SE rainsquall on 19th. Sea breeze till late on 3 nights. Humidity 2 per cent. below the mean.
October	N by E	3.9	SE by E	10 1	N by E	4.1	1.3	4.4	0.5	0.7	2.9	3.2	Fine on 3 days. Rainfall about one-fourth the average. Lighning and thunderstorms very frequently. Humidity one per cent. above the mean.
Nov.	N by E	4.5	SE	10 9	N by E	5.0	1.0	2.1	1.2	3 2	0.5	1 1	Fine on 9 days. Rainfall about one-fourth of the average. "Norther" on 8th and 19th. Lightning and thunderstorms on 8 days. Humidity one per cent. above the mean.
December	N by E	4.4	SE	13 3	N	4.0	2 5	4 0	1.2	1 6	0.2	0.5	Fine on 13 days. Rainfall 32 per cent. of the average. Distant lightning and T. storms on 6 days. Squally on 14th and 15th. Humidity one per cent. above the mean.
Means	NNE	4.7	SE	14.0	NNE	4.6	1.3	3.1	0.9	1.8	1.5	1 7	Rainfall 46 per cent. of the average. Total No. of rainy days 73. Mean Temperature 0.4 degree below the average. Max. Range temperature 23.1 degree on 27th February. Min. Range Temperature 2.9 degree on 22nd May.