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No. 177.

JAMAICA RAINFALL,

FOR THE

YEAR 1893.

NORTH EASTERN DIVISION.

Stations.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
St. Thomas.													
Hordley ...	3.85	3.14	2.27	6.31	19 60	6.03	9.57	10.73	13.68	43.53	15.98	23.59	158.28
Portland.													
Manchioneal, P.W.D. (a)	4.45	3.50	1.46	3.95	16.58	5.31	12.05	10.00	19.86	25.20	37.03	26.96	166.35
St. Thomas.													
Bath, P.W.D. ...	5.07	5.19	1.38	3.30	28.94	12.2[illegible]	17.17	14.56	11.25	21.28	14.98	19.86	155.18
Mt. Ephraim ...	...	...	...	...	...	...	11.77	14.25	10.32	...	...	...	...
Portland.													
Boston ...	5.07	3.51	1.07	8.27	13.68	7.91	8.57	1 34	13.46	25.12	14.25	...	...
Port Antonio, P.W.D. ...	9.69	5 00	1.36	10.16	7.96	16.95	13.79	6.46	14.02	17.11	14.10	30.99	147.59
Fellowship, P.W.D. ...	10.58	4.90	1.15	14 61	14.09	27 15	22.47	7.00	17.07	10.28	11.76	36.28	177.34
Blue Mountain Peak ...	7.60	2.75	2.35	1.15	11.80	11 60	24.70	8.75	8.60	21.00	13.30	43.60	157.20
St. Thomas.													
Serge Island ...	...	...	1.84	4.00	12.70	12 26	12.59	9 31	10.60	23.52	17.97	...	...
Coley Estate ...	...	...	1.32	1.82	12.76	14.14	13.70	9.69	7.32	18.92	15 77	...	...
Cedar Valley, P.W.D. ...	...	...	...	...	...	...	16.50	10.14	11.03	18.33	15.34	7.70	...
St. Andrew.													
Cinchona Plantation ...	2.69	12.72	1.33	4.52	17.14	6.99	17.20	11.87	6.70	14.25	10 32	20.14	125.87
Portland.													
Buff Bay, P.W.D. ...	11.72	4.92	1.70	7.04	1.86	4 32	15.88	2.36	2.91	8.89	7.76	28.62	97.98
Balcarres, P.W.D. ...	7.05	11.60	2.95	...	...	...	...	...	...	...	...	...	...
St. Andrew.													
Cold Spring ...	1.20	2.35	0.75	0.42	15.67	6.60	9.09	12.96	7.98	15.95	6 46	12.27	91.70
Hardware Gap, (b) ...	...	...	...	...	...	...	...	...	...	11.87	7.50	7.35	...
Rose Hill ...	2.84	8.06	1.63	5.03	17.63	5.91	6.58	13.82	10.01	16.19	7.41	9.44	104.55
St. Mary.													
Annotto Bay, P.W.D. ...	8.32	2.86	1.24	2.31	2.88	2.24	8.88	2.11	2 80	4 92	11 35	20.74	70.65
St. Andrew.													
Stony Hill Reformatory	0.92	5 09	1.43	6.46	15.36	7.47	13.19	12.28	6.27	18.38	3.74	6.67	97.26
Belle Vue ...	1.22	4.75	0.64	3.74	12.40	6.55	9.02	8.55	5.67	16.23	5.44	5.92	80.13
St. Mary.													
Castleton Gardens ...	3.99	13.94	2.27	10.47	15.63	16.54	13.39	20.75	10.92	15.62	12.19	22.48	158.19
St. Andrew.													
Lawrence's Tavern, P.W.D.	1.24	5.53	2.09	6.38	21.10	8.33	11.97	12.24	8.79	14.76	2.55	10.66	105.64
St. Mary.													
Albany, P.W.D. ...	0.67	0.99	1 62	3.02	4.11	2.17	8.58	2.53	3.56	3.76	9.86	20.40	61.27
Quebec ...	9.29	3.77	0.00	4.43	2.74	2.57	8.46	2.01	5.99	10.54	10.90	18.71	79.41
Richmond, P.W.D. ...	1.08	3 83	1.31	2.06	9.15	7.67	5.76	4.67	6.06	4.18	10.36	14.86	70.99
Highgate, P.W.D. ...	10.63	3.90	1.58	3.58	4.43	2.82	6.22	3.36	5.81	4.90	10.13	20.26	77.62
Gayle ...	6.35	5.30	1.25	6.20	11.85	3.07	7.20	2.65	4.35	7.65	15 50	21.50	92.87
Lucky Hill, P.W.D. ...	6.27	6.89	0.58	5.13	7.68	4.35	7.55	3.63	7.63	6.89	10.55	18.02	85.17
St. Ann.													
Rio Hoe ...	3.50	4 75	2 54	4.96	6.72	7.35	3.13	5 87	10.63	4.21	5.95	17.89	77.50
Unity Valley ...	4.73	4.73	4.89	4.61	6 41	5.31	6.25	4.77	7.42	9.61	8.84	16.02	83.59
Moneague, P.W.D. ...	4.10	4.44	3.60	3.25	6.80	6.31	5.55	5.29	9.36	6.63	8.18	15.48	78.99
Claremont ...	4 60	7 89	1 34	4.15	6.67	7.31	4.84	3.54	7.51	8.53	6.84	18.99	82.21
Albion ...	5.10	5.14	2.44	6.49	7 13	4.85	7.38	2.50	10.62	7.16	10.62	20 81	90.24
Averham Park ...	5.47	7.04	0 79	1 98	4.93	5 46	5 53	3.20	4 69	5.29	6.23	20 01	70.62
Ballintoy, P.W.D. ...	4.92	2.89	3.44	3.61	5.75	4.21	3.92	6 55	4.89	5.99	9.08	10.47	65.72
Means ...	5 14	5.32	1.74	4.95	11.03	7.80	10.67	7 57	8.69	13 54	11.16	18.89	106.50

(a). On 1st Nov. gauge overflowed.

(b). The fall for October is from the 4th, the estimate for the first three days being 0.38, the actual fall for the month was probably 12.25.

National Oceanic and Atmospheric Administration

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March 28, 2002

JAMAICA RAINFALL.—NORTHERN DIVISION.—1893.

STATIONS.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
ST. MARY.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
Port Maria, P.W.D. ..	6.04	6 30	0.40	3.93	1.64	2.35	6.17	1.41	3.49	7.66	6 64	14.77	60.80
ST. ANN.													
Drax Hall ...	5.44	4.30	0.91	3.30	3.77	4.18	4.98	2.93	4.36	6.82	7.54	11.52	60.05
St. Ann's Bay, P.W.D. ...	5.78	3.05	1.12	3 46	2.00	5.04	4.29	2.99	3.74	6.03	5.95	10.54	54.00
Seville ...	4.32	3.53	0 30	2.05	1.99	4.23	3 46	3.37	4.57	6 17	5.76	10 01	49.76
Richmond Estate ..	5.23	0.00	0.00	2.08	1.61	5 16	3.28	5.18	4 40	5.05	13.62	15.64	61.25
Llandovery ...	4.10	4 10	0.00	3.20	1.74	4.65	3 10	3.87	5.57	4.93	5 30	9.15	49.71
Southfield ...	0 28	2.50	1.04	3.64	3.31	2.69	6.06	4.11	6.71	...	...	24.60	...
Brown's Town, P.W.D. ...	3.09	5.86	1.04	3.95	6.65	4.70	4.62	2.92	7.37	4 91	7.67	15.64	68.42
Home Castle ...	2.83	3.72	0.30	1.38	7.25	3.96	4.16	2 20	6.66	6.77	6.77	12.53	58.53
Richmond Pen ...	4.00	1.70	1.10	3 45	7.45	7.37	5.68	3.35	4.71	5.63	5.57	9.51	59.52
TRELAWNY.													
Mahogany Hall ...	3 42	2.89	0.92	1.78	10.82	7.74	3 16	1.86	8.82	8.00	7.34	9.59	66.34
Braco ...	3 16	1.61	0.00	1.26	5.45	1.95	3.51	1.35	4.82	4 45	8.10	10.45	46.11
Arcadia ...	2.89	1.37	0.12	1.09	4.16	3.60	2.07	2 27	4.47	4.33	9.93	8.63	44 93
Arcadia Great House ...	...	...	...	...	...	...	...	...	4.94	5.15	8.69	8.75	...
Harmony Hall ...	3.63	1.66	0.05	1.20	6.54	1.75	3.28	2.16	5.26	5.02	7.13	11.41	49 09
Lancaster ...	3.32	2.21	0.00	1.64	5.32	2.42	3.74	2 92	5.75	4.50	8.64	11.63	52.09
Vale Royal ...	3.53	2.32	0.15	1.28	7.27	3.23	3.35	4.88	5.26	6.19	11.14	9.30	57.90
Colchis Pen ...	1.14	0.40	0.91	0.13	11 08	7.69	4.32	1.34	8.16	10.41	12.00	4.13	61.71
Hyde ...	3.82	3.79	1.22	1.18	10 67	6.23	5 30	4.64	8 74	6.71	10.99	11.27	74.56
Steelfield ...	2.60	1.75	0.15	0.97	7.26	3.05	2.82	3.84	4.30	5.43	8.27	11.12	51.56
Oxford ...	3.22	1.24	0.28	1 62	10 06	2 54	2.57	1.70	6.02	6.33	8.88	10.95	55.41
Cambridge ...	2.25	1.72	0.10	2.30	10 76	3.12	3.24	1.85	4.28	6 83	8.55	10.42	55.42
Dry Valley ...	3.54	1.59	0.13	0.90	10.19	2.70	2.52	3.57	4.00	7.25	7.40	10.84	54.63
Lottery ...	2.05	1.15	0.00	1.59	9.50	4.15	3.16	2.90	4.00	6.10	8.62	8.75	51.97
Falmouth ...	4.20	3.22	0.00	0.65	3.30	1.80	3.90	2.40	6.86	4.62	8.28	10.05	49.28
Falmouth, P.W.D. ...	3.51	2.05	0.00	0.30	2.72	1.20	3.03	1.50	5.26	3.20	7.62	6.28	36.67
Fontabelle ...	1.33	1.72	0.89	3 01	...	5.76	7 00	5.26	9.97	5.64	8.99	6.42	...
Holland Pen ...	2.07	1.64	0.10	0.56	5.48	2 76	2.33	2.74	6.37	6.20	10.46	8.36	49.07
Pembroke ...	2.30	0 64	0.38	1.05	6.12	2.52	2.10	4.10	5.63	4.03	7.50	6.10	42.47
Golden Grove ...	1.20	1.10	0.19	3.28	10.30	5 05	5.05	4.95	10.75	5.80	11.90	4.65	64.22
Green Park ...	3.10	2.23	0.47	1.43	5 22	4 96	3.15	7.48	4.18	6.65	12.80	8.62	60.29
Tilston ...	1.59	1.10	0 00	1.80	10.80	3.75	4.88	4.98	9.55	4.45	14.40	8.20	65.50
Weston Favel ...	1.80	1.27	1.64	2.90	13 20	5.57	7.89	6.44	8 94	7.56	11.53	7.42	76.16
Orange Valley ...	6.70	2.30	0.00	1.60	5 41	3.81	2.80	5.90	5.30	7.24	15 63	10.03	66.72
Kent ...	7.80	2.07	0.29	0.94	4.32	3 90	2.85	5 67	5 49	6.30	12.04	8 81	60.48
Dundee ...	2.68	2.26	0.61	1 19	8.70	3.76	3.27	5.38	6.71	6.68	11.89	7.58	60.71
Phœnix ...	1.12	1.21	1.25	2.95	12.29	5.14	6.46	4 35	10.18	8 19	14 11	12.20	79.45
Gales Valley ...	1.20	1.10	0.95	2.20	13.15	5.75	5.60	4.80	11.70	8.30	4.20	7.60	66.55
ST. JAMES.													
Greenwood ...	6.15	1.77	1 10	0.97	3 44	3 04	4.86	6.14	4 00	5.23	10.29	12.54	59.53
Canaan ...	0 50	1.95	1.00	0.95	9.03	9.98	4.74	6.38	9.53	5.68	5.66	6.86	62.26
Content ...	3.40	3.75	2.05	2.10	8 30	7.54	2.67	6.68	7 64	7.29	...	...	...
Belfield ...	1.62	2 30	0.50	0.42	5.40	5.05	2 50	6.86	7 92	9.05	7.45	8.94	58.01
Guilsbro ...	3.45	1.17	0.70	1.50	11.05	6.85	2.25	5.10	6.10	4.45	9.90	4.40	57.42
Tryall ...	2.78	4 10	1.47	...	5.63	5.13	1.13	5.34	5.54	4.60	...	...	...
Leogan ...	3.31	0 30	1 26	3.35	8.35	7.16	1.35	5.10	7.70	4.20	11.25	13.20	66.58
Cinnamon Hill ...	2.40	2.65	0.35	0.61	2.98	2.34	1.30	4.22	7.78	5.66	8.98	12.38	51.65
Rose Hall ...	2 85	1.96	0.70	0.40	2.53	2.53	0.85	3.55	5.84	4.87	8 08	10 40	44.56
Running Gut ...	2.60	1.65	0.57	0.30	2.80	4.20	1.10	3.68	5 22	4.94	7 00	10.26	44.32
Spring ...	2.05	0.70	1.30	0.10	4.95	4.75	1.10	5.25	6 00	4.95	8.80	7.05	47.00
Ironshore ...	1.55	2.13	0.65	1.15	6.18	7.00	1.30	6.21	4 56	3.95	10.25	11.25	55.98
Friendship ...	1.15	1.90	2 65	5 10	15.40	7 80	5.55	4.44	8.10	4.75	10.10	9.80	76.74
Providence ...	1.27	1.80	0.40	0.82	5.60	7.51	1.37	5.31	3.48	4.47	8.73	10 82	51.58
Montego Bay, P.W.D. ...	0.62	1.26	0.17	1.28	17.70	8.80	3.97	5.29	7.71	3.42	8.68	12 07	70.97
Catherine Hall ...	1.00	2.05	0.30	2.60	18 90	9.30	4.80	5.65	15 20	3.55	12.55	12.90	88.80
Catherine Mount ...	1.41	1 47	0.32	2.83	17 89	8.53	4.47	5 18	9.00	4.04	...	...	...
Fairfield ...	1.07	1 38	1 00	5 09	16.41	10.10	3.72	7.37	9.50	5.19	...	...	...
Anchovy ..	0.69	2.77	2.50	4.68	17 84	7.69	7.59	7.31	13 17	7.18	...	...	...
Eden ..	1 51	2.46	0.65	2.70	10.65	6.60	6.24	8.25	10.49	6.01	...	...	...
Wiltshire ..	...	...	...	...	...	...	8.73	8.99	11.72	5 62	11.43	10.01	...
HANOVER.													
Round Hill ...	0.65	1.45	0.35	1.70	11.50	7.45	6.35	2.25	7.20	1.40	11.10	9.40	60.80
Flint River ...	0.81	2.28	0.10	3 99	8.29	9.72	5.90	4.11	6 35	4.13	11.40	5.63	62.71
Tryall ...	1.61	1.92	0.10	5.23	9.10	11 48	7.11	3.69	5.11	4.32	16.50	8.16	74.33
Sandy Bay, P.W.D. ...	1.99	0.46	0.17	4.57	11.83	4.21	6.93	5.40	5.22	3.81	14.60	8.62	67.81
Kew ...	2.58	3.69	2 71	5.24	17.10	10.37	5.15	3.99	6.52	4.26	16.72	11.08	89.41
Lucea, P.W.D. ...	3.73	2.06	1 74	2.60	13.40	8.17	3.87	3.42	4 37	2.29	15 90	12.57	74.12
Thornhill, Lucea ...	3.35	3.15	2.50	5.25	17.12	11.01	...	4.35	...	...	...	...	...
Haughton Court ...	4.29	1.97	3.41	3.10	13.51	8.64	3 95	3.96	5.30	3.32	14.94	9 98	75.77
Orange Cove ...	3.47	3.54	2.92	3.82	15.63	9.28	5.48	4 00	4.29	4.02	16.60	12.84	85.89
ST. CATHERINE.			CEN	TRAL	SUB-	DIVI	SION.						
Head Works, R.C.C. ...	0 92	1.18	0 50	1.38	8.30	3.85	8.72	3.79	2.28	13.48	3.92	5.19	53.51
Linstead, P.W.D. ...	1.18	2.22	2.48	4.29	12.51	8.47	17.28	12 40	4.38	16.30	8.53	9.37	99.41
Harkers Hall, P.W.D. ...	2.22	4.63	1.02	9.19	15.00	6.82	14.15	12 36	7.10	9.69	4.79	7.84	94.81
CLARENDON.													
Chapelton, P.W.D. ..	2.71	0.74	1.13	1.40	12.02	3.09	6.83	3.16	2.92	8.15	8.67	2.55	53.37
ST. ANN.													
Cave Valley ...	4.26	1.00	3.38	3 76	8.15	4.81	8.34	8.24	2.17	4.36	5.46	4.36	58.29
Means ...	2.75	2.15	0.83	2.34	8.74	5.48	4.52	4.60	6.48	5.88	9.69	9.76	63.17

JAMAICA RAINFALL.—WEST CENTRAL DIVISION, 1893.

STATIONS.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
MANCHESTER.													
Farm Plantation ...	3.62	2 49	0.66	3.71	11.43	6.45	12 59	8 21	7.61	8.86	20.67	5.06	91.36
Brokenhurst Plantation ..	3.05	0.65	0.85	4 58	4.70	12 10	11 75	6 20	3.25	17.16	13 40	7.40	85.09
Christiana, P.W.D. ...	1 17	3 68	3.10	6.77	15.80	5 07	12 53	4.75	5.64	7.26	11.54	9.97	87.28
Kendal ...	2.77	2.45	3.02	5.94	11.41	13 60	10.70	8.68	6.20	14.10	14.34	6.01	99.22
Mandeville, P.W.D. ...	5.31	2.27	2.58	4.45	10.54	10.54	12.70	6.42	5 32	12.70	15.20	6.34	94.37
Marshall's Pen ...	5.15	1.84	3.83	7.41	11.42	14 50	13 31	7.57	8 37	11.52	12.35	7.74	105.01
TRELAWNY.													
Ulster Spring, P.W.D. ...	4.32	2.33	0.40	12.07	11.53	11.31	9.78	6 44	4.78	5.76	7 84	9 45	96.01
Troy ...	4 76	2.47	2.55	14.88	19.44	7.58	16.14	8 79	7.95	19 37	6.91	5.92	116.76
Windsor Pen ...	2.63	2.48	1.43	8.44	11.84	9.93	9 10	9.33	14.82	7.67	11.63	8 29	97.59
ST. ELIZABETH.													
Balaclava, P.W.D. ...	3.05	4.36	2.62	15.60	17.40	4.99	9.20	5.40	8.60	13.77	6.48	3.27	94.74
Elim ...	5.72	4.29	2.36	14.98	24.27	11.88	10.35	6.24	8.20	13.72	11.56	5.43	119 00
Appleton ...	6.45	6.26	3.49	23.75	14.24	8 44	13.93	3.98	7.97	13 72	6.79	4.67	113.69
Maggotty, P.W.D. ...	6.15	9 07	3.57	18.46	17 00	8.89	13.00	8 25	11.47	11.58	10.83	4.65	122 92
ST. JAMES.													
Spring Vale ...	1.66	...	3 56	5.66	18.67	12.36	15 15	12.57	14 76	11.43	11.09	8.55	...
Maroon Town ...	...	3 47	7.30	9.09	16.57	11.55	23.79	10.86	15 79	10.08	8.35	7.45	...
Kempshot ...	1.63	3.62	3.16	5.34	19.74	8 50	8.09	8.95	12.84	5.51	17.59	10.26	105.23
ST. ELIZABETH.													
Ginger Hill ...	..	...	...	...	...	...	11 79	9.14	11.03	10.99	9.00	...	...
Kepp ...	6.66	5.76	5.18	13.13	17.22	11.21	16.26	10.38	6 71	10.81	12.42	4 89	120.63
WESTMORELAND.													
Kew Park ...	2.07	1.97	4.23	15.19	18.78	6.52	10 14	9.96	17 75	10.92	13.76	4.24	115.53
ST. JAMES.													
Mount Carey, P.W.D. ...	1.40	2.03	1.80	5.92	19.48	15.70	10.84	9.98	14.17	12.68	1.47	11.85	107.32
WESTMORELAND.													
Darliston, P.W.D. ...	7.04	3 43	7.83	18.42	17 44	11.16	11.55	17.90	10.71	12 45	11.60	4.78	134.31
Whithorn, P.W.D. ...	...	...	...	...	...	...	11.87	10.56	9.70	10.41	9.75	4.40	...
HANOVER.													
Lethe Bridge ...	2.21	2.46	1.70	6.47	16.01	14.78	8.90	11.40	20.30	8 37	11 80	7.66	112.06
Haughton Grove ...	3.27	1.69	4.96	9 98	18.52	12.97	10.79	9.73	16 20	11.30	9.03	3.88	112.32
Copse ...	2.61	2.30	2.91	5.71	16.04	13.11	11.50	14.15	20.00	9.38	...	...	...
Cacoon Castle ...	1.06	2.77	1.40	3.31	22.12	13.06	14.36	9.80	8.74	9.91	17.06	9.75	113.34
Golden Grove ...	3.74	2.02	4.21	9.68	21.53	14.76	19 04	14.29	18.29	12.29	17.66	3 96	141.47
Great Valley ...	3.85	2.22	1.92	5.89	20.09	10.28	13.30	11.41	9.58	9.25	17.45	10.32	115.56
WESTMORELAND.													
Georges Plain Estate ...	4.78	1.97	3.90	8.89	12.74	4.50	6.00	6.04	8.14	7.11	6.10	3.31	73.48
King's Valley ...	2.00	5.22	5.11	16.35	19.25	8.45	13 85	9.73	15.15	8.25	9.82	6.40	119.58
Abingdon ...	5.90	4.20	4.00	2.50	13.35	9.60	14.90	7.86	13.20	6.18	10.35	9.20	101.24
Means ...	3.72	3.21	3.23	9.74	16.16	10.48	12.49	9.19	11.07	11.18	11.46	6.73	108.66

JAMAICA RAINFALL.—SOUTHERN DIVISION, 1893.

STATIONS.	Jan.	Feb	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
ST. THOMAS.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In	In.	In.
Morant Point, L. H. ...	2.61	2.02	0.72	1.38	6.67	7.60	6.14	6.33	8.71	16.47	10.45	12.58	81.68
Morant Bay, P.W.D. ...	0.61	2.54	0.20	1.85	16.95	6 87	9 58	3.60	12.44	16 80	11.88	11.10	94.42
Lyssons ..	0.67	2.75	0.06	1.65	14.30	5.25	10.47	7.85	8.50	16.90	20.30	13 00	101.70
Easington ...	0.77	2.11	1.64	1.81	3.95	11.25	12.61	6.62	8 72	16.01	17.68	8.11	91.28
Abbey ...	1.50	2.50	3.00	1.58	7.00	10.25	14.00	4 67	10.06	14.46	9.03	5.55	93.60
ST. ANDREW.													
Bull Bay, P.W.D. ...	0.35	0.35	0 35	0.70	2.00	3.85	7.70	3.95	2.70	11.13	2.36	1.09	36.53
Gordon Town, P.W.D. ...	3.32	1.39	0.15	7.48	9.15	4.60	10.87	5.56	5.39	14.07	6.49	4.94	73.41
Hope Gardens ...	1.18	1.56	0.00	3.68	5.75	5.25	8.88	5 39	5.06	14.56	6.68	4.61	62.60
Hope Reservoir ...	1.21	1.62	0 30	4.57	5.48	4.81	7.88	4 54	5.22	12.70	5.76	2 87	56.96
Cherry Garden ..	1.47	2.40	0.76	3.87	7.74	...	...	..	...	...	...	...	...
King's House ...	0.75	0.95	0.70	2 80	6.15	3.90	7.42	5.10	3.41	13.59	6.35	4 60	55.72
Shortwood ...	...	...	..	4.14	7.13	5.57	6.15	8.42	4.34	12.35	4 70	2 50	...
Constant Spring ..	1.04	3.51	1.51	3.79	11.45	7.63	10.30	11.34	5.72	11 28	5 30	5 14	78.01
Monaltrie ...	2.26	1.32	0.17	3.69	5.06	7 31	8.99	4.65	4 14	15.25	6 46	3.35	62.65
Half-Way Tree, P.W.D. ...	1.01	0.66	0.17	2.41	5 31	3 61	6.63	4.04	2.56	11.27	3.94	3.86	45.47
Camperdown ...	0.15	1.40	0.31	1.24	5.48	4.69	5.81	5.13	3.33	9.06	6.88	4.10	47.58
KINGSTON.													
Public Works Office ...	0.38	0.88	0.00	1.29	2.67	1.80	5.94	2.21	2.72	9.54	3.57	3.29	34.29
Plumb Point Light House	0.38	0.52	0.34	2 94	1.49	1.99	6.17	2.36	3.25	12.72	1.87	4.01	38.04
ST. ANDREW.													
Ferry, P.W.D. ...	0.36	0.65	0.51	2.60	4.20	3.94	6.13	3.91	4.40	11.84	2.89	5.08	46.51
ST. CATHERINE.													
Spanish Town, P.W.D. ...	1.40	2 39	0.81	2.21	8.95	1.77	5.92	3.02	3.92	9.51	2.56	3.97	46.43
Windsor Park ...	1.29	0.94	1.09	0.60	6.34	1.27	4.44	3.96	4.44	10.47	3.91	3.64	42.39
Hog Hole Pen, P.W.D. ...	1.33	3.02	0.56	1.71	9.12	4.00	7.10	6.13	2.44	9.86	3.51	3.20	51.98
Old Harbour, P.W.D. ...	2.19	1.68	0.62	0.96	5.25	4 90	5.72	3.67	7.46	6.34	10.06	5.47	54.32
Somerset Hall, P.W.D. ...	...	...	...	...	...	...	...	...	7.93	14.11	11 25	4.32	...
CLARENDON.													
May Pen, P.W.D. ...	2.55	2.00	0 74	1.94	7.29	4.28	6.18	2.77	7.04	8.92	11.26	5.79	60.76
Hermitage ...	4.57	1.52	1.01	1.01	9 74	4.59	12.11	5.45	7.91	13.70	6.25	9.09	77.05
Denbigh ...	5.00	3.10	1 20	3.50	6 70	4.50	8.10	6 10	5.75	8.70	15.45	4 05	72.15
Manningsfield, P.W.D. ...	1.70	1.41	0 59	0.51	4.67	4.40	10.86	5.05	5.82	9.22	11.46	0 71	56.40
MANCHESTER.													
Stone's Hope ...	2.74	3.03	0.99	4.36	11.86	6.58	12.92	5.19	4.69	10.37	15 72	8.02	86.47
Newport, P.W.D. ...	3.34	4.62	1 54	4 30	10 24	8.54	6.42	6.31	3.50	8 42	13.76	7.36	78.35
Alligator Pond, P.W.D. ...	1.38	2.98	1.33	5.15	5.34	3.54	14.04	4 29	2 27	5.74	6.88	5.83	58.77
ST. ELIZABETH.													
Potsdam ...	3.82	2.25	4.57	5.20	4.89	2.57	5 40	3.57	3 40	6.03	5.90	4.49	52.09
Long Hill ...	1.82	1.86	5 12	7.56	6.89	4 38	7.41	1 68	3.76	12.27	7.09	4.47	64.31
Pepper ...	4.10	3.08	6.25	8.57	12.77	4.15	6.55	10.35	6.85	12.84	3.32	5.15	83.98
Torrington, P.W.D. ...	1.75	4.33	3.63	5 18	7.63	2 61	8.83	4.51	3.22	10.43	8.67	4.78	65.57
Bethlehem ...	...	2.50	3.89	5.93	6.91	2.47	8 37	4.52	4.37	9.22	10.31	3.68	...
Santa Cruz, P.W.D. ...	6.83	3.81	2.79	11.15	19.23	4.63	18.80	4.38	7.35	10.87	6 41	4.18	100.43
Black River, P.W.D. ...	2 27	4.45	2.68	11.78	8 08	3.10	10.95	6.90	5.01	7.45	5.05	7.48	75.20
Font Hill ...	4.35	1.10	3.20	7.80	5.15	8.75	12.20	5.00	4.15	7.15	4.85	4.95	68.65
WESTMORELAND.													
Peters Ville ...	2.85	3.36	4.07	13.44	7.03	10.38	17.81	8.89	7.82	5.28	9.88	6.01	96 82
Mount Edgecombe ...	2.46	3.89	8.38	11.99	5.36	6.54	10.86	7.52	2.39	7.06	8 70	6.80	81.95
Sweet River ...	1.80	2.19	4.65	12.52	11.91	6 46	7 80	7.20	9.61	5.30	5.44	3 94	78.82
Windsor, (Sav-la-Mar) ...	2.99	1.64	4.24	7.50	6.97	2.31	7.19	4.36	7.85	6.09	3.49	3 96	58.59
Sav-la-Mar, P.W.D. ...	3.68	1.72	4.08	5.32	9.90	5.80	6.65	4.41	4.79	6.44	27.09	10.08	89.96
Retreat ...	4 00	3.62	1.91	10 19	11.61	4.42	8.90	6.58	4.86	6.72	5 25	4.80	72.86
Means ...	2.15	2 28	1.88	4 63	7.68	5.05	8.91	5.52	5.44	10.65	8.10	5.36	67.65

COMPARATIVE TABLE OF RAINFALL FOR 1893.

As compared with the Means for Twenty Years—1870—1889.

Division.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
North Eastern ...	5·14	5.32	1.74	4.95	11.03	7 80	10.67	7.57	8.69	13.54	11.16	18.89	106.50
Northern ...	2.75	2.15	0.83	2.34	8.74	5.48	4.52	4.60	6.48	5.83	9.69	9.76	63.17
West Central ...	3.72	3.21	3.23	9.74	16.16	10.48	12.49	9.19	11.07	11.18	11.46	6.73	108.66
Southern ...	2.15	2.28	1.88	4.63	7 68	5.05	8.91	5.52	5.44	10.65	8.10	5.36	67.65
Means for 1893 ...	3.44	3.24	1.92	5.42	10.90	7.20	9.15	6.72	7.92	10.30	10.10	10.18	86.49
Means for Ten Years 1870–79	4.46	2.38	3.34	3.25	9.05	4.74	4.31	6.66	6.85	10.07	6.71	5.59	67.41
Means for Ten Years 1880–89	3.78	2.51	2.49	4 18	9.07	7.77	4.32	6 83	6.87	8.04	5.08	5.60	66.54
Means for Twenty Years 1870–89	4.12	2.44	2.92	3.72	9.06	6.25	4.31	6.74	6.86	9.06	5.90	5.60	66.98
Means for 1890 ...	5.21	2.92	5.84	3.37	5.57	4.13	4.99	6.92	6.52	7.04	6.52	5.39	64.44
Means for 1891 ...	3.45	2.24	0.84	8.49	12.28	9.91	5.57	7.45	6.35	15 32	7.65	5.15	84.70
Means for 1892 ...	4.00	1.38	2.27	2.82	8 52	7.31	4.44	7.65	8.86	12.16	9.96	3.61	72.98

The mean rainfall for the whole Island for the year 1893, viz:, 86.49 inches, shows an excess of nineteen and a half inches over the mean for the twenty years, 1870-89. The general characteristics of the various Divisions as explained in previous Reports and in the Jamaica Handbook are on the whole well maintained in the results for 1893, being briefly May and October "Seasons," in all the divisions with winter rains in the North Eastern and Northern Divisions and Summer or Autumn rains in the West Central and Southern Divisions. As exceptions to the general rule it may be pointed out that the fall for October in the Northern Division was deficient, being less than that for September in the same Division and that the October seasons extended into November in the West Central and Southern Divisions. It is also to be noted as regards total fall that while the North Eastern and West Central Divisions come first and second as usual the Southern takes third place instead of the Northern Division, which usually has a greater fall than the Southern.

The greatest fall for the year was 177.34 in., and was recorded at Fellowship in Portland, and the smallest, 34.29 in., was recorded at the Public Works Office in Kingston. The greatest fall at Fellowship was approached by the following falls of over 145 inches, viz:, Manchioneal, 166, Hordley, 158; Castleton, 158; Blue Mountain Peak, 157; Bath, 155; Port Antonio, 148; while Cinchona Plantation which came next had only 126.

Fellowship also had the greatest fall in 1892, viz:, 211 inches, but in that year Blue Mountain Peak ran a very close second with 203 inches, whereas in the year we are now dealing with viz:, 1893, the Peak came only fifth. In 1892 Followship exceeded the Peak by 4 o/o of the latters fall while in 1893 the similar excess was 13 o/o.

The greatest and smallest falls for the respective months of the year are shown in the following table from which it will be seen that the greatest monthly fall was 43.60 inches at Blue Mtn. Peak, in December and that no rain fell at Richmond Estate, in February, and at eleven places in March. If we except Blue Mtn. Peak, as not being a place of residence, we have the greatest monthly fall at Hordley in October, viz:, 43.53.

Month.	Greatest fall.		Least fall.	
	Amount.	Place.	Amount.	Place.
1893.	In.		In.	
January ...	11.72	Buff Bay.	0.15	Camperdown.
February ..	13.94	Castleton Gardens.	0 00	Richmond Estate.
March ...	8.38	Mt. Edgecombe.	0.00	Quebec, Richmond Estate, Llandovery, Braco, Lancaster, Lottery, Falmouth, Tilston, Orange Valley, Hope Gardens, and Public Works Office, Kingston.
April ..	23.75	Appleton.	0.10	Spring.
May ...	28.94	Bath.	1.49	Plumb Point Light House.
June ...	27.15	Fellowship.	1.20	Falmouth, P. W. D.
July ...	24.70	Blue Mountain Peak.*	0.85	Rose Hall.
August ...	20.75	Castleton Gardens.	1.34	Boston and Colchis Pen.
September ...	20.30	Lethe Bridge.	2.17	Cave Valley.
October ...	43.53	Hordley.	1.40	Round Hill.
November ...	37.03	Manchioneal.	1.47	Mount Carey.
December ..	43.60	Blue Mountain Peak.†	0.71	Manningsfield P. W. D.

* Maroon Town, 23.79 in July.
† Fellowship, 36.28 in Dec.

Further scrutiny of the above table brings out that the N.E. Division contained the station with the greatest fall in nine of the months, the West Central in two of the months and the Southern in one month, (March).

As regards the least fall the place of honour is to be given to the Southern Division in four months, (January, March, May and December); to the Northern Division in eight months, (Feb, March, April, June, July, August, Sept. and Oct.,) while the other two Divisions are each to be assigned one month, the N.En August, and the West Central November. In two cases two Divisions are equal which accounts for the months in question appearing twice.

The following are instances of the partiality of the falls of rain at places near to one another:—

North Eastern Division.—In January, Richmond and Highgate had 1.08 and 10.63 the distance between them being about 3 miles In June, at Boston, Port Antonio, Fellowship, and Blue Mountain Peak, the falls were respectively, 8, 17.27, and 12 inches, and in July, 9, 14, 22 and 25 inches, and in October, 25, 17, 10 and 21 inches. Boston is about seven miles to the East and Fellowship about three miles to the South of Port Antonio, while Blue Mountain Peak is about 10 miles distant from Fellowship and 7,000 feet higher. In a similar comparison in 1892, it appeared that Fellowship was always higher in its monthly fall than Boston or Port Antonio, and that the two latter frequently changed places in this respect. In 1893 the case was a little different, Boston had in October two and a half times the fall of Fellowship, although as a rule in 1893, Boston had the least of the three stations. So far as Fellowship and Blue Mountain Peak go it will be seen that their relative positions in June and October were reversed. In August, Annotto Bay had only 2.11 while Castleton Gardens, nine miles away, had 20.75, and in October Hordley had 43.53 against 25.20 at Manchioneal seven miles distant.

Northern Division.—Friendship, Providence and Montego Bay, (the two former being both between 4 and 5 miles from Montego Bay, but in diffierent directions) had respectively in May, 15, 6 and 18 inches, which exemplifies in an intensified degree the normal difference for the year as shown in the Rainfall Atlas. In December Southfield had 24.60, and Llandovery about 2 miles off 9.15 inches.

West Central Division.—In April Appleton and Elim, (five miles) had respectively 24 and 15 inches, while in May their relative positions were exactly reversed, the figures being respectively 14 and 24 inches. In July Maroon Town had 24 and Kempshot (6½ miles) only 8 inches. In September Copse and Cacoon Castle (4 miles) had 20 and 9 respectively. In October Brokenhurst Pln. had 17 and Farm Pln. (about 3 miles) only 9; and Kempshot had 18 against the 8 at Maroon Town thus changing the relative positions taken in July.

Southern Division.—In May Bethlehem on the top of the Santa Cruz Mountains had 7 inches while Santa Cruz Village, (P. W. D.), on the plain about 6 miles away recorded 19 inches; and in July the same thing occurred again, the respective falls at Bethlehem and Santa Cruz P. W. D. being 8 and 19 inches. In August Long Hill had only 1.68 while Pepper 3 miles away had 10.35 inches. The very large difference shown between Sav-la-Mar P. W. D. and Windsor (Sav-la-Mar) in November can only I think be due to error. The detailed return showing the fall for each day in November has been forwarded by the Sav-la-Mar P. W. D. and the total of 27.09 inches must, I think, be accepted as correct. The same remarks apply to the fall at the latter place in December.

In the Report for 1892 it was stated that "the new station Mount Carey in St. James, where the "record begins with September, shows very large excesses over all the other stations in this Division "in the months of September, October and November." This remark does not hold good for 1893, as in only one month (June) was the Mount Carey rainfall the highest in the Division and the total for the year was actually a little less than the mean for the Division.

The following Tables show the total rainfall for 1893 for those stations which can show a complete record for the year, together with the average annual rainfall taken from the Tables published in January, 1892, as No. 124 (A) of the present series of reports. In obtaining the mean rainfall for the year from the numbers in the first columns only those stations are considered for which the average rainfall has been given in the second columns; so that the results of these two columns are directly comparable. These results are more clearly shown in the comparative table at the end of these rainfall returns. It will be seen that from this limited comparison the excess of 1893 over the average appears at only eleven inches as against nineteen and a half shown by the more extended tables. The mean for the year 1893, is in both cases much about the same however, viz.; about eighty six and a half inches.

RAINFALL, 1893.

North Eastern Division.	1893.	Average.	North Eastern Division.	1893.	Average.
Hordley ...	158.18	118.25	Albany, P. W. D. ..	61.27	
Manchioneal, P. W. D. ...	166.35		Quebec ...	79.41	70.54
Bath, P. W. D. ...	155.18		Richmond, P. W. D. ...	70.99	
Port Antonio, P. W. D. ...	147.59	139.67	Highgate, P. W. D. ...	77.62	
Fellowship, P. W. D. ..	177.34		Gayle ...	92.87	89.49
Blue Mountain Peak ...	157.20	197.38	Lucky Hill, P. W. D. ...	85.17	
Cinchona Plantation ...	125.87	105.57	Rio Hoe ...	77.50	90.28
Buff Bay, P. W. D. ...	97.98		Unity Valley ...	83.59	79.97
Cold Spring ...	91.70		Moneague, P. W. D. ...	78.99	
Rose Hill ...	104.55		Claremont ...	82.21	
Annotto Bay, P. W. D. ...	70.65		Albion ...	90.24	74.67
Stony Hill Reformatory ...	97.26	84.25	Averham Park ...	70.62	75.75
Belle Vue ...	80.13		Ballintoy, P. W. D. ...	65.72	
Castleton Gardens ...	168.19	110.01			
Lawrence's Tavern, P. W. D.	105.64		Mean ...	111.55	102.99

RAINFALL, 1893.

	1893.	Average.
Northern Division.		
Port Maria, P. W. D. ...	60.80	69.30
Drax Hall ...	60.05	67.15
St. Ann's Bay ...	54.00	
Seville ...	49.76	65.55
Richmond Estate ...	61.25	68.11
Llandovery ...	49.71	64.26
Brown's Town ...	68.42	
Home Castle ...	58.53	54.79
Richmond Pen ...	59.52	56.40
Mahogany Hall ...	66.34	58.62
Braco ...	46.11	46.27
Arcadia ...	44.93	50.64
Harmony Hall ...	49.09	42.47
Lancaster ...	52.09	49.63
Vale Royal ...	57.90	57.80
Colchis Pen ...	61.71	48.81
Hyde ...	74.56	65.64
Steelfield ...	51.56	51.84
Oxford ...	55.41	49.59
Cambridge ...	55.42	54.31
Dry Valley ...	54.63	
Lottery ...	51.97	49.20
Falmouth ...	49.28	42.20
Falmouth, P. W. D. ...	36.67	
Holland Pen ...	49.07	41.58
Pembroke ...	42.47	50.34
Golden Grove ...	64.22	55.50
Green Park ...	60.29	46.87
Tilston ...	65.50	55.28
Weston Favel ...	76.16	68.01
Orange Valley ...	66.72	42.66
Kent ...	69.48	45.46
Dundee ...	60.71	50.65
Phœnix ...	79.45	69.94
Gales Valley ...	66.55	59.56
Greenwood ...	59.53	40.53
Canaan ...	62.26	.
Belfield ...	58.01	
Guilsbro ...	57.42	62.12
Leogan ...	66.58	57.14
Cinnamon Hill ...	51.65	34.52
Rose Hall ...	44.56	37.41
Running Gut ...	44.32	38.33
Spring ...	47.00	
Ironshore ...	55.98	44.95
Friendship ...	76.74	
Providence ...	51.58	45.58
Montego Bay, P. W. D. ...	70.97	55.93
Catherine Hall ...	88.80	60.45
Round Hill ...	60.80	47.66
Flint River ...	62.71	
Tryall ...	74.33	52.11
Sandy Bay ...	67.81	
Kew ...	89.41	69.31
Lucea, P. W. D. ...	74.12	
Haughton Court ...	75.77	59.52
Orange Cove ...	85.89	62.97
Central Sub-Division.		
Headworks, R. C. C. ...	53.51	62.36
Linstead, P. W. D. ...	99.41	70.51
Harker's Hall ...	94.81	
Chapelton, P. W. D. ...	53.37	65.44
Cave Valley ...	58.29	70.12
Mean ...	61.00	54.71

	1893.	Average.
West Central Division.		
Farm Plantation ...	91.36	80.12
Brokenhurst Pln. ...	85.09	100.68
Christiana, P. W. D. ...	87.28	
Kendal ...	99.22	
Mandeville ...	94.37	88.14
Marshall's Pen ...	105.01	78.13
Ulster Spring ...	96.01	
Troy ...	116.76	
Windsor Pen ...	97.59	83.68
Balaclava ...	94.74	
Elim ...	119.00	
Appleton ...	113.69	88.35
Maggotty ...	122.92	
Kempshot ...	105.23	73.61
Kepp ...	12[illegible].63	92.89
Kew Park ...	115.53	86.26
Mount Carey, P. W. D. ...	107.32	
Darliston, P. W. D. ...	134.31	
Lethe Bridge ...	112.06	
Haughton Grove ...	112.32	81.03
Cacoon Castle ...	113.34	83.40
Golden Grove ...	141.47	98.03
Great Valley ...	115.56	105.51
Georges Plain Estate ...	73.48	
Kings Valley ...	119.58	94.44
Abingdon ...	101.24	78.90
Mean ...	108.80	87.54
Southern Division.		
Morant Point L. H. ...	81.68	72.08
Morant Bay ...	94.42	
Lyssons ...	101.70	
Easington, P. W. D. ...	91.28	
Abbey ...	93.60	77.53
Bull Bay, P. W. D. ...	36.53	
Gordon Town ...	73.41	
Hope Gardens ...	62.60	52.83
Hope Reservoir ...	56.9[illegible]	
King's House ...	55.72	49.20
Constant Spring ...	78.01	
Monaltrie ...	62.65	45.30
Half-way Tree, P. W. D.	45.47	
Camperdown ...	47.58	
Public Works Office Kingston	34.29	37.96
Plumb Point L. H. ...	38.04	36.84
Ferry, P. W. D. ...	46.51	
Spanish Town, P. W. D. ...	43.43	48.31
Windsor Park ...	42.39	45.44
Hog Hole Pen, P. W. D. ...	51.98	54.20
Old Harbour, P. W. D. ...	54.32	54.17
May Pen, P. W. D. ...	60.76	
Hermitage ...	77.05	
Denbigh ...	72.15	49.01
Manningsfield, P. W. D. ...	56.40	
Stones Hope ...	86.47	74.41
Newport, P. W. D. ...	78.35	
Alligator Pond, P. W. D. ...	58.77	
Potsdam ...	52.09	60.84
Long Hill ...	64.31	71.36

RAINFALL, 1893.

	1893.	Average.
SOUTHERN DIVISION, (contd.)		
Pepper ...	83.98	69.27
Torrington, P. W. D. ...	65.57	
Santa Cruz, P. W. D. ...	100.43	
Black River, P. W. D. ...	75.20	51.44
Font Hill ...	68.65	
Peters Ville ...	96.82	
Mount Edgecombe ...	81.95	61.35
Sweet River ...	78.82	62.92
Windsor (Sav-la-Mar) ..	58.59	63.52
Sav-la-Mar, P. W. D. ...	89.96	
Retreat ...	72.86	
Mean ...	63.86	56.90

COMPARATIVE TABLE. *Based upon the Average stations only.*	1893	Average.
North Eastern Division ...	111.55	102.99
Northern " ...	61.00	54.71
West Central " ...	108.80	87.54
Southern " ...	63.85	56.90
Mean ...	86.30	75.54

ROBT. JOHNSTONE,
31st October, 1894.

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