2

Granada

Mil. Serv. 84129 agu

231.

Richmond Hill

METEOROLOGICAL OBSERVATIONS, 1920.

Meridian of longitude adopted for calculation of time adopted as standard in the Colony ... ... 61°. 45′. 57″ W.

Hours slow of Greenwich mean time ... ... 4 hrs. 7 mins.

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March 28, 2002

1920

STATION—RICHMOND HILL. Lat. 12°.5′.2″. N. Long. 61°.45′.55″. W. H=507 ft.

Months.	Mean Pressure.	Air Temperature.									Tension of Vapour.			Relative Humidity.		
		9 a.m.	6 p.m.	Mean.	Means of		Absolute Min. and Max.				9 a.m.	6 p.m.	Mean.	9 a.m.	6 p.m.	Mean.
					Min.	Max.	Min.	Date.	Max.	Date.						
January ...	29.946	77.0	81.0	79.0	72.0	83.0	69.0	21st	88.0	12th	.703	.701	70·2	76.0	75.0	76.0
February ...	29.932	77.0	84.0	80.0	72.0	83.0	70.0	6th	89.0	9th	.701	.707	70·4	74.0	74.0	74.0
March ...	29.982	77.0	83.0	80.0	72.0	82.0	69.0	8th	85.0	30th	.659	.673	66·6	68.0	73.0	76.0
April ...	29.969	77.0	83.0	80.0	73.0	83.0	70.0	2nd	87.0	6th	.680	.686	68·3	66.0	70.0	68.0
May ...	29.962	80.0	84.0	82.0	74.0	84.0	71.0	15th	86.0	4th	.730	.741	73·5	69.0	76 0	77.0
June ...	29.697	79.0	84.0	82.0	74.0	84.0	72 0	24th	86.0	5th	.755	.751	75·3	72.0	74.0	73.0
July ...	30.003	79.0	84.0	82.0	74.0	83 0	71.0	11th	87.0	7th	.787	.795	79·1	78.0	79.0	78.0
August ...	29.897	77.0	80.0	78.0	74.0	85.0	70.0	19th	89.0	26th	.768	.785	77·6	72.0	77.0	75.0
September ...	29.928	80.0	86.0	83.0	75.0	85.0	72.0	2nd	89.0	5th	.824	.815	81·9	78.0	80.0	79.0
October ...	29.919	70.0	83.0	76.0	75.0	85.0	72.0	9th	90.0	17th	.812	.805	80·8	78.0	80.0	79.0
November ...	29.951	70.0	83.0	76.0	74.0	82.0	73 0	S.D	90.0	27th	.812	.787	79·9	80.0	81.0	80.0
December ...	29.959	78.0	83.0	80.0	74.0	83.0	72.0	S.D	88.0	15th	.703	.719	71·1	70.0	75.0	73.0
Year ...	29.929	77.0	83.0	80·0	73.0	83.0	71.0	...	88.0	...	.744	.747	74·6	74.0	76.0	75.0

H =Height above mean sea level.

ht.=5 feet. *hr.*=2 feet. RICHMOND HILL STATION.

Months.	Amount of Cloud.			Rainfall.			Weather. No. of days of						Wind. No. of Observations of								
	9 a.m.	6 p.m.	Mean.	Total	Max.	Date.	Rain	Snow Hail.	Thunder Storms.	Clear sky.	Over cast.	Gales	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W	Calm.
January ...	4.0	2½.0	3¼.0	4.86	0.82	7th	19	...	...	24	7	...	...	2	46	...	...	...	...	...	14
February ...	5.0	3.0	4.0	1.40	0.28	9th	12	...	...	18	11	...	...	2	42	...	...	...	...	...	10
March ...	3.0	4½.0	3¾.0	2.51	0.55	26th	17	...	...	7	24	...	...	10	40	..	...	...	...	...	12
April ...	4.0	3.0	3½.0	0.30	0.09	3rd	7	...	...	20	10	...	...	12	31	10	...	...	...	...	7
May ...	5.0	5.0	5 0	1.35	0.52	15th	13	...	...	19	12	...	...	2	50	5	...	...	...	...	5
June ...	5·0	6.0	5½.0	3.61	0.50	10th	21	...	...	19	11	...	...	...	53	2	...	...	...	...	5
July ...	5.0	6.0	5½·0	11.39	1.35	22nd	28	...	...	12	19	...	...	...	50	...	...	...	...	...	12
August ...	7.0	7.0	7.0	7.10	1.57	22nd	18	...	2	21	10	...	...	...	21	...	...	...	...	...	41
September ...	4.0	5.0	4½.0	7.61	1.05	12th	21	...	...	21	9	...	...	...	27	...	...	...	...	...	33
October ...	5½.0	4½.0	5.0	12.98	4.35	24th	22	...	2	20	11	...	...	...	28	9	...	...	...	...	25
November ...	5.0	5.0	5.0	11.49	2.80	15th	24	...	1	20	10	...	...	...	25	5	...	...	...	...	30
December ...	3½.0	4.0	3¾.0	4.06	2.30	15th	14	...	...	25	6	...	...	1	35	1	...	...	...	...	25
Means ...	4½.0	4½ 0	4½ 0	68.66	1.34	...	216	...	5.0	226	140	...	...	29.0	448	32	...	...	...	...	221

ht.=Height of the Thermo. above the ground in feet. *hr.*=Height of the Raingauge above the ground in feet.

GRENADA.

METEOROLOGICAL REPORT FOR 1920.

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MAR 22 1924

RICHMOND HILL,
GRENADA,
20th April, 1921.

Sir,—I have the honour to forward herewith the Annual Meteorological Return for the Richmond Hill Station for the year 1920.

The Rainfall was 68.66 inches, 4.43 less than 1919 and 7.68 less than the average for the past 3 years.

The maximum temperature in the sun was 144 on 15th August, 13th October and 15th of December, and in the shade 90 on the 17th October and 27th November.

The minimum in the shade was 69 on the 8th March.

I attach the monthly rainfall for the past 29 years.

I have, etc.,

P. GORDON NOOTT,
Met. Observer

Hon'ble,
COLONIAL SECRETARY,
Grenada.

MONTHLY Rainfall of this Station for 29 years—1892-1920.

Year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
1892	4.37	0.81	6.82	5.38	10.79	18.80	15.10	8.86	11.31	6.58	6.28	10.79	105.89
3	3.80	4.19	1.11	5.93	10.80	8.12	14.31	10.59	5.20	4.00	9.48	6.99	81.52
4	3.11	2.71	3.36	2.32	1.99	4.30	3.53	6.78	12.16	10.55	9.23	7.84	67.88
5	5.09	4.87	3.43	4.05	3.41	6.20	7.89	6.00	11.83	5.94	14.61	5.07	78.47
6	4.35	3.45	3.70	5.91	10.16	8.16	10.75	8.81	8.94	4.14	20.90	11.12	99.94
7	6.10	2.03	6.04	2.06	5.88	8.15	7.51	8.16	11.55	5.23	9.01	11.92	83.64
8	2.65	2.16	1.41	1.66	0.77	10.09	10.24	19.11	12.02	7.74	7.57	6.33	81.75
9	9.10	7.16	2.85	1.05	0.49	6.14	6.67	8.89	5.31	5.68	6.03	4.82	64.29
1900	3.58	4.31	1.94	2.38	7.51	6.90	8.81	7.40	4.79	5.23	4.44	6.16	63.45
1	5.93	1.33	2.17	0.71	4.87	8.28	12.58	9.90	8.29	9.66	10.26	18.17	92.15
2	4.22	1.58	1.33	2.08	2.80	9.18	12.02	12.12	7.08	5.63	7.85	4.80	70.19
3	5.09	2.27	2.48	0.65	1.42	8.73	10.09	14.59	9.51	9.11	2.55	12.49	78.89
4	5.62	3.33	4.40	3.55	3.26	7.31	8.67	10.78	9.14	1.57	5.39	6.59	69.61
5	2.92	2.11	4.70	2.95	4.61	6.64	10.28	11.64	5.12	8.73	12.23	5.66	77.89
6	2.02	1.92	1.68	0.46	5.48	12.90	11.18	11.87	4.27	14.20	9.89	7.40	83.27
7	2.54	2.54	3.04	1.29	4.44	6.10	10.73	5.65	8.36	2.90	6.08	5.37	59.04
8	2.72	1.78	1.19	1.10	4.71	6.04	7.37	6.86	6.71	11.40	4.59	13.17	68.44
9	4.61	5.15	1.02	3.82	5.79	12.20	12.42	7.70	6.86	11.84	5.03	4.10	80.54
1910	4.68	5.36	6.65	2.90	8.36	10.62	8.64	14.32	7.05	10.39	9.44	5.74	91.15
1	5.00	2.77	0.96	1.67	3.41	19.36	5.52	7.93	7.86	3.15	5.86	5.64	69.13
2	4.16	2.12	1.99	1.19	3.64	7.20	11.39	6.07	6.35	4.72	6.11	9.04	63.98
3	9.77	3.26	3.42	1.07	1.18	6.55	4.23	9.44	9.06	10.98	10.39	5.50	74.85
4	1.80	2.09	2.61	2.59	3.95	6.85	6.72	6.86	6.63	8.44	7.77	5.56	61.87
5	5.66	1.23	1.02	3.9[illegible]	3.75	4.62	12.22	13.01	5.72	6.98	9.10	5.93	72.37
6	4.20	2.63	2.74	1.88	3.52	7.13	10.2[illegible]	7.69	11.32	4.57	15.10	6.04	76.96
7	3.73	2.89	2.95	0.17	2.12	5.83	17.85	10.58	6.89	7.92	6.54	7.08	74.55
8	6.16	3.35	2.49	1.69	7.93	10.26	10.57	6.55	9.80	11.76	6.54	4.39	81.40
9	2.81	1.90	0.64	0.85	5.92	4.39	8.09	16.10	11.05	9.10	7.96	5.28	73.09
1920	4.86	1.40	2.51	0.30	1.35	3.61	11.39	7.10	7.61	12.98	11.49	4.06	68.66
21	2.86	2.37	4.07	1.82	3.26	9.81	7.09	10.60	9.80	12.04	4.81	10.18	78.71
Average	4.50	2.83	2.81	2.26	4.63	8.30	9.89	9.67	8.17	7.62	8.54	7.34	76.58
mean 1920	4.45	2.81	2.77	2.25	4.59	8.25	9.98	9.70	8.22	7.77	8.42	7.43	76.65

SUMMARY OF OBSERVATIONS AT FIXED HOURS.

Year 1920.

Temperature Scale used below—Fahrenheit

Station—Richmond Hill, Grenada, B. W. Indies. Lat. 12° 5′ 2″ N. Long. 61° 45′ 55″ W.

Hours of Observation I.—9 A.M., 9 h. II.—6 P.M., 18 h.

	Barometer.		Stevenson's Screen.		Raingauge.		Anemoter.	
Height above M. S. L. ...	Cistern	509 ft.	Site	507 ft.	Site	507 ft.	Head	520 ft.
Height above ground ...	... ...	5 ft.	Bulbs	5 ft.	Rim	2 ft.	Head	13 ft

1920.	Mean Pressure. At Station Level at hours of Observation.	Mean Pressure. Deg's from Normal.	Temperature I.	Temperature II.	Humidity. Depression of Wet Bulb. I.	Depression of Wet Bulb. II.	Vapour Pressure. I.	Vapour Pressure. II.	Percentage. I.	Percentage. II.	Amount of Cloud 0-10. I.	Amount of Cloud 0-10. II.	Number of days of Clear sky.	Number of days of Overcast.	Wind. No. of Observations. Wind Force 8 and above.	Strong Wind (4-7).	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
January ...	29946	...	...	...	5.0	5.0	703	701	76.0	75.0	4	2½	24	7	...	...	14	...	2	46	...	...	...	...	...
February ...	29932	...	...	...	5.0	5.0	701	707	74.0	74.0	5	3	18	11	...	...	12	...	2	42	...	...	...	...	...
March ...	29982	...	...	...	7.0	6.0	659	673	68.0	73.0	3	4½	7	24	...	...	12	...	10	40	...	...	...	...	...
April ...	29969	...	...	...	7.0	6.0	680	686	66.0	70.0	4	3	20	10	...	...	7	...	12	31	10	...	...	...	...
May ...	29962	...	...	...	6.0	4.0	730	741	69.0	76.0	5	5	19	12	...	...	5	...	2	50	5	...	...	...	...
June ...	29697	...	...	...	5.0	5.0	755	751	72.0	74.0	5	6	19	11	...	...	5	...	...	53	2	...	...	...	...
July ...	300.3	...	...	...	4.0	4.0	787	795	78.0	79.0	7	7	12	19	...	...	12	...	...	50	...	...	...	...	...
August ...	29897	...	...	...	6.0	4.0	768	785	72.0	77.0	4	5	21	10	...	...	41	...	...	21	...	...	...	...	...
September ...	29928	...	...	...	4.0	4.0	824	815	78.0	80.0	5½	4½	21	9	...	...	33	...	...	27	...	...	...	...	...
October ...	29919	...	...	...	4.0	4.0	812	805	78.0	80.0	5	5	20	11	...	...	25	...	...	28	9	...	...	...	...
November ...	29951	...	...	...	4.0	4.0	812	787	80.0	81.0	6	5½	20	10	...	...	30	...	...	25	5	...	...	...	...
December ...	29959	...	...	...	6.0	5.0	703	719	70.0	75.0	3½	4	25	6	...	...	25	...	1	35	1	...	...	...	...
Total ...	359145	...	...	...	63.0	56.0	8934	8965	881.0	914.0	57	55	226	140	...	...	221	...	29	448	32	...	...	...	...
Means ...	29.929	...	...	...	5.0	4.0	744	747	74.0	76.0	4½	4½	19	12	...	...	18	...	3	37	3	...	...	...	...

1920

CLIMITOLOGICAL SUMMARY.

STATION.—RICHMOND HILL, GRENADA, B. WEST INDIES.

Lat. 12° 5′ 2″ N. Long. 61° 45′ 55″ W. Observations at 9 h, and 18 h. Temperatures for 24 hours ending 18 h.

Height {of rain guage above mean sea level} H 507 ft. Heights {above ground} Therms. $^{h}_{t}$ = 509 ft., Sun Recorder, $^{h}_{s}$ = Nil. ft., Rain gauge, $^{h}_{r}$ = 507 ft.

	Air Temperature in Degrees Fahrenheit.													Rainfall.				Weather, No. of days of								Bright Sunshine.			
	Means of		Max. & Min. combined.	Diff from Normal.	Absolute Extremes.								Highest Wet Bulb.	Total.	Diff from Normal.	Max.	Day.	Precipitation.	Diff from Normal.	Snow.	Hail.	Thunder Storms.	Fog.	Ground Frost.	Total force 8 or more.	Daily Mean.	Total.	Per cent.	Total possible.
	Max.	Min			Highest Max.	Day.	Lowest Min.	Day.	Lowest Max.	Day.	Highest Min.	Day.																	
January ...	83.0	72.0	155.0	11.0	88.0	12th	69.0	21st	79.0	22nd	75.0	4th	75.0	4.86	...	0.82	7th	...	...	...	...	...	...	...	...	9½	284	...	310
February ...	83.0	72.0	155.0	11.0	89.0	9th	70.0	6th	81.0	5th	74.0	24th	75.0	1.40	...	0.28	9th	...	...	...	...	...	...	...	...	9	280	...	290
March ...	82.0	72.0	154.0	10.0	85.0	30th	69.0	8th	80.0	26th	75.0	9th	74.0	2.51	...	0.55	26th	...	...	...	...	...	...	...	...	9	280	...	310
April ...	83.0	73.0	156.0	10.0	87.0	6th	70.0	2nd	80.0	21st	75.0	S.D.	76.0	0.30	...	0.09	3rd	...	...	...	...	...	...	...	...	9	270	...	300
May ...	84.0	74.0	158.0	10.0	86.0	4th	71.0	15th	81.0	16th	76.0	28th	76.0	1.55	...	0.52	15th	...	...	...	...	...	...	...	...	9	279	...	310
June ...	84.0	74.0	158.0	10.0	86.0	5th	72.0	24th	81.0	4th	76.0	29th	76.0	3.61	...	0.50	10th	...	...	...	...	...	...	...	...	8½	259	...	300
July ...	83.0	74.0	157.0	9.0	87.0	7th	71.0	11th	80.0	22nd	77.0	17th	77.0	11.39	...	1.35	22nd	...	...	...	...	...	...	...	...	7¾	240	...	310
August ...	85.0	74.0	159.0	11.0	89.0	26th	70.0	19th	82.0	1st	76.0	S.D.	79.0	7.10	...	1.57	22nd	...	...	...	...	2	...	...	...	9	279	...	310
September ...	85.0	75.0	160.0	10.0	89.0	5th	72.0	2nd	79.0	2nd	77.0	26th	78.0	7.61	...	1.05	12th	...	...	...	...	...	...	...	...	9	272	...	300
October ...	85.0	75.0	160.0	10.0	90.0	17th	72.0	9th	80.0	3rd	77.0	S.D.	78.0	12.98	...	4.35	24th	...	...	...	...	2	...	...	...	9	279	...	310
November ...	82.0	74.0	156.0	8.0	90.0	27th	73.0	S.D.	82.0	S.D.	78.0	2nd	78.0	11.49	...	2.80	15th	...	...	...	...	1	...	...	...	9	270	...	300
December ...	83.0	74.0	157.0	9.0	88.0	15th	72.0	S.D.	80.0	6th	76.0	1st	76.0	4.06	...	2.30	15th	...	...	...	...	...	...	...	...	9½	285	...	310
Totals ...	1002	883	1885	119	1054	...	851	...	965	...	912	...	918	68.66	...	16.18	...	...	...	...	...	5	...	...	...	107¼	3277	...	3660
Means or Extremes	83.0	73.0	157.0	9.0	88.0	...	71.0	...	80.0	...	76.0	...	76.0	5.72	...	1.34	...	...	...	...	...	...	...	...	...	9	273	...	305

RAINFALL RETURNS FOR THE YEAR 1920.

Observation Stations.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Twelve months' total.	Maximum in one day and date.		No. of days on which rain fell.	Remarks.
	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Date.		
Richmond Hill ...	4·86	1·40	2·51	·30	1·35	3·61	11·39	7·10	7·61	12·98	11·49	4·06	68·66	4·35	Oct. 24	206	
Samaritan	3·99	3·80	2·64	·23	4·80	3·20	15·87	8·39	7·66	10·30	11·38	4·02	76·28	3·47	July 3	245	
Palmiste	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Returns incomplete
Plaisance (Sauteurs) ...	5·97	4·81	1·71	·67	5·29	3·63	14·24	10.41	9·18	13 79	14·55	5·34	89·59	2·98	May 15	173	
Belmont	4·01	3·41	2 40	·08	3 23	1·73	10·44	10·99	5·69	8·69	11·73	4·35	66·75	2·80	Aug. 9	156	
Bellevue	7·52	3·37	3·63	·29	3·35	6·02	18·27	11·23	12·40	11·25	18·45	6·64	102·42	3·10	Oct. 24	225	
Carriere Works ...	3 15	3·04	1·54	...	...	...	...	...	...	...	...	...	...	...	...	...	Do. do.
Mt. Pleasant ...	6·63	3·31	5·07	·58	4·47	5.64	18·15	11·48	12·29	10·93	17·69	7 66	103·90	2·68	July 22	245	
Dunfermline ...	3·15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Do. do.
Chantilly	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Do. do.
Annandale	8·09	4·35	8·55	1·47	4·35	6·81	25·85	13·63	15·43	12·01	20·28	8·85	129·67	3·40	July 23	249	
Grand Bacolet ...	5·20	1·88	2·76	·41	2 63	3·40	14·11	6·54	7·86	7·47	10·12	2·68	65·06	3·05	Oct. 24	172	
Mt. Edgecumbe ...	4 25	3 55	2 98	·61	2·22	4·71	14·55	8·85	9·27	10·52	15 45	5·79	82·75	3·07	Nov. 15	181	
Montreuil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Do. do.
Hope	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Do. do.
Plaisance (St. John's) ...	7·56	4·72	5·72	·76	6·01	7·15	21.27	11·77	11·77	16·78	18·38	7·31	119·20	3·92	Nov. 15	286	
Sauteurs	3·34	2·01	1·57	...	2 30	2·02	13·97	6·13	5·12	8·74	7·64	3·54	56·38	2·68	July 3	147	
Waltham	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	Do. do.
Balthazar	3·43	3·12	3 28	·18	3·39	3·79	15·25	7·66	8·35	11·38	13·84	6·02	79·69	2 46	July 24	180	
Tuilleries	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Do. do.
Carriacou	2·33	·93	1·54	·20	1·83	3·19	7·55	4·72	5·32	6 26	8·66	1·40	43·93	2·73	Nov. 16	195	
Morne Fendue ...	3·63	2·20	2·18	·11	3·21	2.15	13·99	7·65	6·26	7 33	8·05	2·56	58·52	2·76	July 3	161	
Mt. Nesbit	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Do. do.
Point Saline Lighthouse	4·48	·76	1·15	·06	·61	1·39	10·26	15·76	4·06	7·52	10·71	1·75	58·51	2·62	Oct. 6	193	
Woodford	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Do. do.
Dongaldsion ...	6·38	2·73	3·77	·51	3·29	6·11	19.10	10·12	13·13	13 29	16·16	6·29	100·88	4·32	Oct. 4	244	
Belvidere	5·69	4·34	6·34	·82	7·03	7·05	18·65	13·47	14 41	16·89	21·84	10·45	126·98	3·67	„ 24	256	
Les Avocats Wr. Works	7·79	3·22	5·14	·37	4·00	6·30	19·57	9·65	11·84	10·48	20·18	4·88	103·72	3·33	July 22	192	
Bon Accord ..	7·87	2·10	4·51	·80	3·77	5·95	17·73	10·90	11·35	7·80	19·85	4·90	97·53	2·80	Nov. 16	173	
Grand Etang ...	✓ 6·51	5·69	...	...	5·55	7·57	24·12	12·45	13·84	12·76	23·88	7·33	...	...	...	...	Do. do.
Nianganfoix ...	6·40	4·26	...	·48	4 98	6·71	18 39	10·35	11·16	11·69	16·69	7·02	...	...	...	...	Do. do.
Maran	6·11	3·32	3·58	·56	3·73	5,39	21 38	9·21	9·93	11·58	17·62	3·43	95·84	2·45	Aug. 18	171	
Mt. Horne	3·65	4·40	2·21	·45	...	...	..	...	...	...	...	...	...	...	...	...	Do. do.
Marli (Lower Sauteurs)	2·93	2 20	1·72	·09	3·04	2·26	14·42	7·65	5·16	8·65	7·74	3·62	59·48	3·21	July 3	184	
Nonpariel	...	...	...	..	...	...	15·70	9·88	7·52	11·99	12·72	4·53	...	...	...	...	Do. do.
Lower Market, Grenville	4·04	...	1·75	...	1·40	2·13	10·92	6·02	...	...	...	4·35	...	..	...	...	Do. do.
Mt. Cassel	5·23	2·72	3·63	·26	3·32	4·73	15·16	8·65	7·86	7·11	13·95	2·38	76·00	2·95	July 22	157	