

# BOTANIC STATION, BARBADOS.

## Occasional Bulletin of Miscellaneous Information, No. 10.

Since the hurricane of September 1898 I have had, on the appearance of atmospheric disturbances, so many applications for information relative to the likelihood of Barbados being visited by cyclones, that I asked Mr. E. L. Skeete, B.A., who takes a keen interest in Meteorology, to write a paper on the subject of hurricanes for distribution, so that persons may know what are the indications foretelling their approach.

Mr. Skeete has kindly complied with my request and I append his interesting article.

JOHN R. BOVELL,  
Superintendent.

On West Indian Hurricanes, with some observations on the hurricane of the 10th September 1898 at Barbados.

Now that the reports of the approach of hurricanes are regularly made in the West Indies through the various meteorological stations established throughout these islands by the United States of America, I have been asked as one who finds much interest in the subject, by Mr. J. R. Bovell, F.L.S., F.C.S., the Superintendent of the Botanical Station, to write an account of these hurricanes.

Some notes and observations on the hurricane of the 10th of September 1898 at Barbados are also appended.

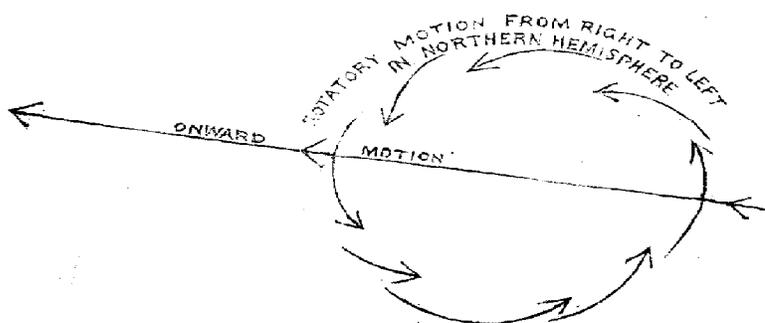
The subject of West Indian hurricanes has within the past two years been very forcibly brought to the attention of the inhabitants of these islands by the visitation of the hurricane at Barbados and St. Vincent in September 1898, and again in July 1899 at Montserrat, Antigua, St. Kitts and Nevis, Puerto Rico, and several of the other islands.

Within the next few months the so-called "Hurricane Season" will have come round again, and it is hoped that this attempt at stating a brief outline of the theory, facts, and laws relating to these storms may be of some interest.

### PART I.

The terrible atmospheric disturbances, which have been appropriately termed "hurricanes," are enormous whirlwinds of very great force, and are well exemplified on a small scale by the local whirlwinds which are to be noticed at times moving along the surface of the land.

The wind of the hurricane has a double motion (a) the rotatory or cyclonic whirl, and (b) the progressive or onward motion of the rotating mass. These two motions may be graphically illustrated by Fig. I.



The arrows indicate the direction of the motions.

(a). The former of these, that is the motion of the rotatory or cyclonic whirl of air, constitutes the severe and destructive wind of the hurricane. The direction of this wind is around the centre of the cyclone inwards and upwards, somewhat spirally and is always from right to left in the

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Northern hemisphere, or contrary to the motion of the hands of a clock, as seen in Fig. I.

One of the most prominent investigators of the theory of cyclones has been Professor Ferrel, late of the United States Signal service. The following paragraph embodying his theory taken from "Modern Meteorology" by F. Waldo, contains a very lucid description of the motion of the wind in a cyclone.

It should be explained here that there are two forces at work, separate and independent of each other, which combine to give effect to the movement of the wind in the cyclonic whirl of a hurricane. First, there is a force which causes the upward rush of the air, and secondly, there is another which brings about the rotatory whirl of the same air: these two forces have their resultant in a spiral rush of air.

Referring to the upward rush of the air in a cyclone Waldo writes:—

"When at any locality the air up to a considerable altitude becomes warmer than the surrounding air, there will arise an upward current in this warm mass of air, and an outflow, or perhaps a better expression would be an overflow, of air takes place aloft. This causes a decrease of air pressure in the warm area and an increase in the adjacent region which receives the overflow. This difference in pressure gives rise to a gradient of pressure at the earth's surface, in which the region of least pressure is within the warm area. There thus arises an inflowing current at or near the earth which acts as a feeder for the ascending current in the warm area. This circulation continues as long as the condition which gives rise to it exists."

From the above quotation it is to be inferred that the upward rush of air is merely the natural ascending movement of a column of warmer and consequently lighter air, which is surrounded by a cooler and heavier air. A similar action takes place when air ascends in a chimney, or on the same principle as a piece of wood floating in water; the lighter mass being forced upwards by the surrounding heavier mass.

When the ascending air is moist the rate of its upward movement is greatly accelerated. This is due to the fact that condensation takes place, the warmer column of rising air being surrounded by a cooler atmosphere. The moisture is precipitated in the form of rain while latent heat is given off causing an increase of temperature in the warm area and consequently a more rapid upward rush of the air.

The same author gives the following account of the second force that which causes the rotatory, or more correctly, the gyratory motion in a cyclone viz:—

"If the earth had no rotation upon its axis, the air moving in towards the warmer centre, where the air pressure is less, would move directly towards the centre, but the deviatory force due to the earth's axial rotation will cause it to move a little to the right of this centre in the northern hemisphere (and to the left in the southern), and there results a gyratory motion around the centre. The direction of this atmospheric circulation is then opposite to that of the hands of a clock, and this is to be seen on almost any chart of the surface winds in the region of a barometric depression or cyclone in the northern hemisphere. The velocity of gyration increases towards and becomes very great near the centre. The horizontal motion, however, ceases at some distance from the centre."

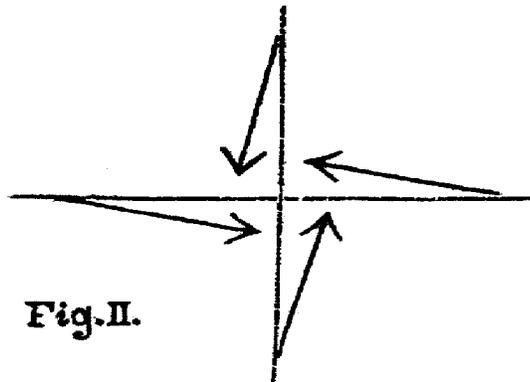


Fig. II.

effect caused by this deviatory force, namely, that of producing the whirling or gyratory motion of the wind in a cyclone from right to left in the northern hemisphere.

Mr. Watts, F.I.C., F.C.S., in a paper by him on these storms, after quoting Ferrel's theory (the substance of which is contained in the passage just adduced) namely, that there is a force arising from the rotation of the earth on its axis which causes bodies on its surface to deflect to the right in the northern hemisphere, shows by a figure graphically the effect that this deviatory force would have on such a mass of air as that in a cyclone, which rushes from all directions of the compass to a common centre. This figure is reproduced as figure II., and well serves to bring out the idea of the

It may be conveniently mentioned here that at the centre of the whirling mass of air of a hurricane, at the earth's surface, there is a calm area which varies in size with the individual hurricane. This calm area appears to be brought about by the fact that the force which gives rise to the motion of the wind diminishes at a comparatively speaking short distance from the centre of the hurricane and disappears as that point is neared and reached, and so a calm prevails.

(b) So far then, of the two motions of the wind in a hurricane, that of the cyclonic or rotatory whirl has been discussed. The other, namely, the onward or progressive motion of the whirling mass of air is simply the advancing movement of the cyclone along the surface of the globe describing a course which is generally known as the "hurricane track." This motion may be aptly compared to the onward motion of a spinning top. A top may be spinning round at a very great rate, while at the same time it has an onward movement from place to place (corresponding to the progressive motion of a cyclone) along the surface on which it is spinning. Professor Ferrel says of this progressive motion (Modern meteorology, F. Waldo p. 383).

"Ordinary cyclones are never stationary and the direction in which their centres move, and their velocities, vary not only in different latitudes and regions of the globe, but in the same place at different times. In general their tendency in lower latitudes is westerly and in the middle and higher latitudes easterly. There are several circumstances which control to a greater or less extent the progressive motions of cyclones. The principal one of these is undoubtedly the general motion of the atmosphere in which they exist, not at and near the earth's surface merely, but at high altitudes where the centre of energy is. This carries them along as a stream of water carries along the small whirling eddies which are formed in it. This idea was first suggested by the writer (Ferrel) more than a quarter of a century ago. Tropical cyclones move westward, or at least have a large west component, because the general motion of the atmosphere there, up to a certain altitude, is westerly, while in higher latitudes cyclones move in an easterly direction with much greater velocities, because there the general motion at all altitudes is easterly and the velocity, especially at high altitudes, is comparatively great."

To summarise the foregoing paragraph by Ferrel the course or track followed by hurricanes is directed chiefly by the prevailing current of wind corresponding to the latitude in which they are advancing. In the tropics or the latitude of the West Indies they move generally speaking westward while in northern latitudes they go eastward.

## PART II.

Having briefly outlined the theory underlying the motion of the wind of a cyclone, the following extracts taken from Mr. Watt's article, already alluded to, enumerate the more prominent features and characteristics which are known to accompany these hurricanes.

"These storms commonly occur during the months of August, September and October and the Pilot Chart of the North Atlantic for July 1891 contains the following note as to their frequency." The especially dangerous hurricane months are indicated by the following easily remembered lines:—

June, too soon,  
July, stand by,  
August, look you must,  
September, remember,  
October, all over."

"The following table, however, gives a more exact idea of the relative frequency of hurricanes:—

June	...	...	...	1	—
July	...	...	...	4	—————
August	...	...	...	10	—————
September	...	...	...	8	—————
October	...	...	...	7	—————

"The horizontal lines indicating the proportion graphically.

"In Scott's Meteorology (International Scientific Series) p. 368 the following tables of recorded West Indian hurricanes during a period of 300 years is given on the authority of the Royal Geographical Society.

January	...	...	5	July	...	...	42
February	...	...	7	August	...	...	96
March	...	...	11	September	...	...	80
April	...	...	6	October	...	...	69
May	...	...	5	November	...	...	17
June	...	...	10	December	...	...	7

"A total of 355.

" It is probable, however, that this table while representing the relative frequency by no means represents the actual number of storms during the 300 years for many, particularly in earlier years, would pass unrecorded.

" West Indian history teems with the accounts of the destructive violence of these storms, the force of which is sometimes incredible, and the havoc wrought truly awful. The wind velocity reaches as high as 100 miles per hour thus exerting a pressure of 50 lbs. per square foot on any surface directly opposed to it. It has been found impossible to obtain exact measurements of the velocities and pressures of wind in West Indian hurricanes on account of their fearful violence." Thus Scott (Elementary Meteorology p. 375) writes " observations fail us if we wish to ascertain the actual phenomena occurring at the height of one of the West Indian hurricanes. At such times houses are unroofed and the general destruction to property and danger to life is so great that in several instances the observers have had to leave their posts, and self recording anemometers for registering the direction and force of the wind have been damaged by the fury of the storm.

" Velocities of 120 miles per hour and pressures of 70 lbs. per square foot have been recorded, and it is possible that these figures are below the limit.

" Careful comparison of the records of many of these storms revealed the fact that they all have features in common. The wind begins to blow from a direction varying from N. E. to N. W., and steadily shifts as the storm progresses.

" either from N. E. to E. and dies away in S. E. or S.  
" or from N. W. to W. and dies away in S. W. or S.

" or else the wind remains fairly constant in direction somewhere between N. E. and N. W. but increasing in violence until all at once there comes a sudden calm often with clear sky overhead; this calm may last from a few minutes to over an hour, when suddenly the wind begins to blow furiously again, but now proceeding from a direction opposite to that from which it blew before, coming now from between S. W. and S. E. (It will be understood here and generally throughout this article that the conditions described are those prevailing in the West Indian Islands.)

" Another distinctive feature is that as the hurricane approaches, the barometer falls and continues to fall until the calm period has passed, or until the wind begins to blow from E. S. E. or W. S. W., and then steadily rises as the storm sweeps onward. Owing to the fact that the barometer in the West Indies rises and falls very slightly,—one-tenth of an inch would be a noticeable movement—this fall of the barometer constitutes a most valuable warning of approaching danger.

" In their progressive movement cyclones are fairly constant in the path they follow. Usually beginning in the mid-Atlantic in about Lat. 10° N. they sweep westward or north westward towards and often over the West Indian Islands. As they pass to the West, the path gradually curves to the North until about Lat. 20° to 30° N., the course lies from south to north; after this they sweep eastward and often recross the Atlantic and die away to the North of the British Isles.

" While proceeding westward the cyclone usually travels at the rate of about 17 miles per hour (it will be remembered that the wind in the cyclone may be blowing around the centre with a velocity of upward of 100 miles per hour). During the time it moves northward (the time of recurvature) the velocity is much slower being from 5 to 10 miles per hour, while it increases to 20 or 30 miles per hour after it has recurved and assumed its north eastern course across the Atlantic.

" This usually followed course has grave consequences for it lies across the West Indies, then northward along the track of shipping between the principal ports of the United States on the Atlantic, and the West Indies and other southern ports, and after recurving its eastern path carries it across the crowded track of shipping between the United States and Northern Europe.

" In low latitudes the cyclone is usually of comparatively small diameter, the destructive portion increasing from 80 to 150 miles and upwards in diameter—a fact which has been frequently illustrated in these islands, when one island has suffered severely while those north and south of it have escaped with a severe but not destructive gale. The hurricane crossing Martinique on August the 18th and 19th, 1891, may be taken as an example. The destruction of life and property in Martinique was terrible, while St. Lucia and Dominica escaped serious injury.

" After recurving the hurricane enlarges in area the intensity diminishing somewhat, so that in higher latitudes the destructive area may measure 600 to 1000 miles across.

PART III.

Two most important characteristics of these hurricanes to be borne in mind, because they form the basis from which conclusions may be drawn to aid in locating an approaching or passing hurricane; are

(1). That in the West Indies (these islands being in the northern hemisphere) hurricanes whirl or rotate from right to left or contrary to the motion of the hands of a clock.

(2). That in the latitude of the West India Islands as far north as about 20° hurricanes advance in a westerly or north westerly direction or in other words that they approach these islands from an easterly or south easterly direction.

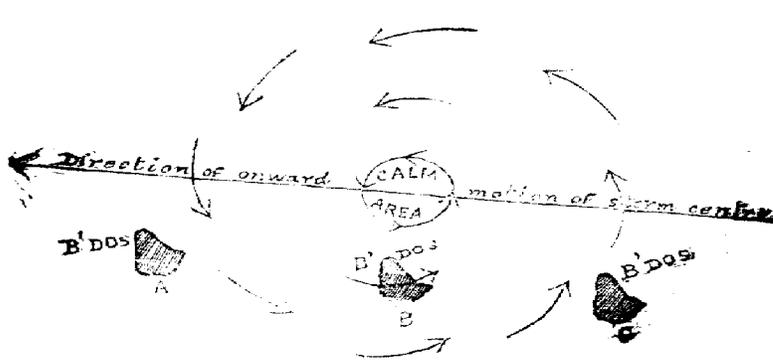
The motions here indicated have already been illustrated in figure I.

There are three heads under which approaching hurricanes may be conveniently classed in relation to any place to the south of 20° north latitude and within the limits of their tracks. Any approaching hurricane must come under one of these heads.

Firstly, those whose centres pass northward; secondly, southward; and thirdly those whose centres pass directly over that place.

Having in view the fact that hurricanes approach from an easterly or south easterly direction, the three conditions just stated may easily be understood from the following diagrams. In these diagrams the island of Barbados is taken as an instance of a place within the limits of the track and is shewn in each case in three positions A, B, C, D, etc. in relation to the cyclonic whirl, which is denoted by arrows representing a somewhat circular area.

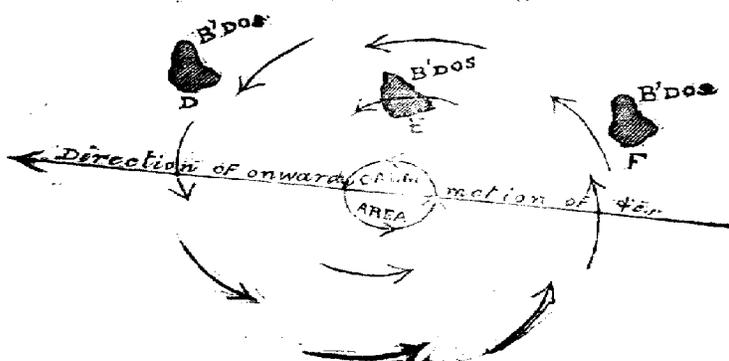
Taking the first of the three conditions (that in which the centre of the hurricane passes northward of the island), a glance at the diagram Fig. III. shows



Second condition, in which centre of storm passes north of the island.

that when the hurricane is approaching the island in position A, the wind is blowing about North West-erly;—that as the hurricane passes over the island and the island is about mid-way in it, position B, the wind is blowing about westerly — that as the hurricane is leaving the island, now in position C, the wind is blowing about South West-erly. Thus it is, that when the wind

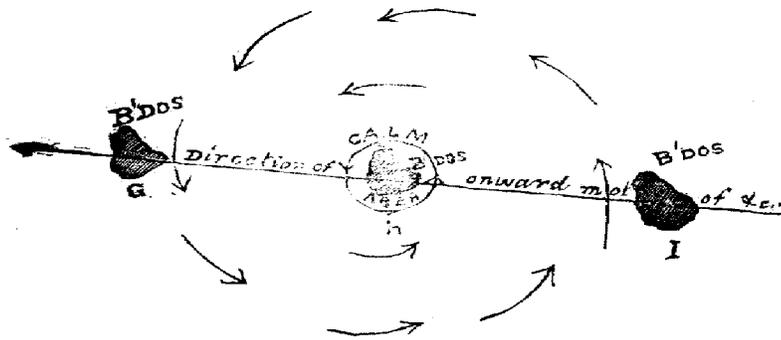
of a hurricane commences to blow North West-erly it indicates that the hur-ricane is approaching with its centre about to pass northward of the island, and that as the hurricane passes over the wind will become westerly and then south westerly as the hurricane is leaving the island.



Second condition, in which centre of storm passes south of the island.

Similarly, the second condition Fig. IV (that in which the centre of the hurri-cane passes south-ward of the island) shows that as the hurricane is approaching the island, position D, the wind is blowing about North Easterly; that as the island is about midway through it, position E, the wind is blowing about Easterly; and that as the hurricane is leaving the island, position F, the wind is

blowing about South Easterly. Consequently when the wind of a hurricane commences to blow about North Easterly, it indicates that the hurricane is approaching with its centre to pass southward of the island, and that the wind will veer from North East to East and then South East on the hurricane leaving. This is what took place at Barbados when visited by the hurricane of the 10th September 1898.



Third condition, in which the centre of storm passes *directly* over the island.

force, but continue to blow from the same direction, until its greatest force is reached; then follows suddenly a dead calm. The hurricane has now advanced till its centre and calm area are directly over the island, position H. As the calm area passes over, a look at the diagram will best show how it is, that the wind will suddenly begin to blow, and with great fury, from an exactly opposite direction to that in which it was blowing before the calm, namely, about Southerly. It will continue blowing from this direction and diminishing in force till the hurricane is over and the island is then in position I. Thus when the wind of a hurricane commences to blow about northerly it indicates that the hurricane is advancing with its centre coming over the island. The wind will continue in this direction increasing all the while in force, till there is suddenly a dead calm. The calm is ended by the wind suddenly commencing to blow from the opposite direction about southerly; it continues from this direction and gradually diminishes in force until the hurricane is over.

When the hurricane has commenced, the rate of barometric fall will increase in proportion as the point of observation is nearer the centre of the storm, and will reach its lowest when the centre passes. After this, the mercury will rise until the storm is over. If the centre of the storm and consequently the calm area passed directly over the point of observation, it will be found that the barometer reading remains constant during the calm. It may therefore be safely concluded that when the barometer begins to rise and continues to do so, the centre of the storm and the severest portion has passed.

It should be carefully noticed that in each of the above cases the wind at the commencement of the hurricane is found to be blowing from some northerly direction, and a close observation of the diagrams (bearing in mind the direction of the progressive and rotatory motions of the wind) will bring out the fact that in every conceivable case, the wind at the commencement of a hurricane must begin to blow from some northerly point generally speaking between N.E. and N.W. It has often been heard that persons are terrified at reports of approaching hurricanes, and yet if the direction of the wind be observed, it will be found to be perhaps blowing from some southerly direction; proving at once that the report must be incorrect.

As at the commencement of a hurricane the wind is always from some northerly direction, so at the termination of the hurricane, the wind is always from some southerly direction, generally speaking between S.E. and S.W. And so when storm conditions are known to be existing and the wind is blowing from some southerly direction, it may safely be concluded that the centre of the hurricane has passed and the worst is already over.

While treating of the wind direction as one of the factors in determining the location of a hurricane, the simple but useful rule of Buys Ballot which is also quoted from Mr. Watts' article may be appropriately mentioned. It is as follows:—

“If you stand with your back to the wind the centre of the storm will be on your left hand in the northern hemisphere.”

The third condition is the most perilous one (that in which the centre of the hurricane passes directly over the island) Fig V. In this case as the hurricane approaches with the island in position G, the wind will be blowing about Northerly. As the hurricane comes over the island the wind will increase in

As the extent of area at the earth's surface disturbed by a hurricane is considerable, having diameters of one or two hundred miles, and as their onward motion is only about fifteen miles per hour in these latitudes, at any place within the disturbed area, the wind of an approaching hurricane must be blowing from some northerly point for some time before the more severe portion of the storm approaches. Hence, when a hurricane is approaching there could not be a sudden shifting of an ordinary wind from some other point to a northerly one, so as to commence blowing suddenly and furiously from the latter with hurricane force. There will always be a wind from some northerly direction for some hours at least before the severe portion of the storm bursts on any place.

To those islands of the West India group which have an extreme easterly situation, this matter of observing the wind direction as a warning note before a hurricane is known to be approaching, is of importance, because while in the case of those islands with a more westerly situation the news of an approaching hurricane can easily be telegraphed owing to observations being taken at other more windward islands, in the case of an island located as Barbados, no such timely notice can be looked for.

Together with the condition of the wind blowing from some northerly point when the approach of a hurricane is suspected the condition of the sea should be noticed. This is a very significant factor where practicable in making premonitory observations. In advance of a hurricane the sea is always very much disturbed, and unusually rough.

The behaviour of the barometer during these symptoms would also be unusual, showing an abnormal and continuous drop which would increase with the approach of the hurricane.

The existence of the foregoing conditions, namely, a strong and gusty wind from some northerly point, an unusually rough and boisterous sea and falling barometer, combine to give very strong indications of an approaching hurricane at no great distance off. The absence of anyone of these three features must indicate that there is no approaching storm.

To quote once more from Mr. Watts' interesting article: he writes with regard to the precursory indications of hurricanes as follows:--

"Much is heard about the prediction of hurricanes: it should be clearly understood what is meant by such an expression. The prediction of a hurricane weeks or months before its formation is clearly a thing impossible in the present state of our knowledge. All that can be done is to ascertain the existence and predict the probable course of a cyclone already existing. We have seen that a cyclone is built on certain definite lines and certain phenomena invariably attend its approach.

"The following premonitory indications are largely taken from the United States Pilot Chart for August 1891. Before a hurricane the barometer is somewhat higher than usual, with cool, very clear, pleasant weather; there is a long low swell from the direction of the distant storm; the sky is covered with a quantity of light feathery cirrus clouds (Mare's tails) radiating from a point on the horizon, where a whitish arc indicates the bearing of the centre. If the cirrus plumes are faint and opalescent in tint fading gradually behind a slowly thickening haze or veil, the approaching storm is an old one of large area. If snowy whiteness, projected against a clear blue sky, it is a young cyclone of small area, but great intensity. Great activity of movement of the upper clouds while the storm is still distant indicates that the hurricane is of great violence."

"As the storm approaches the following unmistakable signs display themselves: the barometer falls rapidly; halos are seen around the sun and moon; the ocean swell increases, the weather becomes hot, moist and oppressive with light variable winds; deep red and violet tints appear at dawn and sunset, tints which assume a coppery glare of ominous aspect, a heavy mountainous cloud bank on the distant horizon indicates the position of the approaching storm; the barometer falls more rapidly, and finally if the observations are made on or near the storm track in the West Indies, the wind begins to blow in a direction between the North East and North West soon arising to hurricane force, increasing till the central calm passes, then breaking out with violence from the South to South East.

#### SUMMARY.

1. Hurricanes rotate from right to left in the Northern Hemisphere.
2. Hurricanes approach West Indian Islands (situated to the south of about the 20° of latitude) from the east or southeast.
3. The wind of an approaching hurricane always begins to blow from some northerly point generally speaking between N.E., to N.W.

4. When the wind at the commencement blows from N.E., it will veer to E., and then S.E., as the hurricane dies away.

5. When the wind at the commencement blows from N.W., it will veer to W., and then S.W., as the hurricane dies away.

6. When the wind at the commencement blows from about N., it will continue in that direction till the centre and calm area is reached. Then it will blow from about S., and keep this direction till the hurricane dies away.

7. Preceding a hurricane there are three necessary premonitory features: a falling barometer, abnormally so; a strong wind from some northerly point; and an unusually heavy sea.

#### PART IV.

##### NOTES ON THE HURRICANE OF THE 10TH SEPTEMBER, 1898 AT BARBADOS.

So long a period as sixty seven years having elapsed since this island was visited by a severe hurricane, it seems as if the danger which threatened its inhabitants on the afternoon of the 10th September, 1898, was scarcely believed, and not realised. Accordingly observations preceding and during the hurricane are not so numerous and comprehensive as they might have been, had these hurricanes been of more frequent occurrence—a circumstance, however, not to be desired.

Being resident at Dodds Botanical Station at the time this hurricane occurred, I had the pleasure of assisting Mr. J. R. Bovell, F.L.S., F.C.S., the Superintendent, in making a record of observations, and the substance of these notes is derived principally from those records. The barometric readings are corrected for temperature and reduced to sea level. I am indebted to Mr. P. McDonough, the observer at the office of the Bureau of the United States of America in Bridgetown, Barbados, for generously affording the use of some of his valuable observations, and also to the Hydrographer of the Hydrographic Office at Washington for a copy of the interesting Pilot Chart of the North Atlantic Ocean for November, 1898, from which information regarding this hurricane has been obtained.

##### PREMONITORY INDICATIONS.

A perusal of the meteorological readings taken at Dodds Botanical Station for the few days preceding this hurricane, shows that there was a gradual barometrical fall from the 4th to the morning of the 10th, the date of the hurricane, covering a range of .118 inch, and taking the majority of the readings of the wind direction during the same period the wind blew from the north side of east, while previous to these few days it had been from some southerly point. On the whole the winds may be said to have been variable during these days before the hurricane.

The depression of the mercury on the day preceding the date of the hurricane would seem undoubtedly to be directly caused by it, but the depression during the days from the 4th need not necessarily have been due to this cause, for the reason that there are many occasions when equally low barometrical readings are recorded, which show a similar depression, and no hurricane has occurred. Hence it appears that a gradual depression for days such as preceded this hurricane cannot be taken as a decided forewarning. The fall, however, from 9 a.m. on the 9th to the same hour on the 10th was .058 inch, or nearly equal to the fall during the five preceding days. This was noticeable, and no doubt directly caused by the hurricane, and may be taken as one of the factors indicating its approach. On the 9th the diurnal range from 9 a.m. to 3 p.m. was .02 above the average.

Mr. McDonough's journal entries from the 5th September are very interesting and give detailed accounts of the weather in the days preceding the hurricane. By his kind permission they are made use of.

"*Monday 5th.*—Light showers began and ended during the night 10.15 a.m. to 10.20 a.m.; 12.36 p.m. to 12.43 p.m.; and 2.50 p.m. to 3.02 p.m. The morning was generally partly cloudy with cirrus clouds moving from the south, the direction changing to east about 7.30 a.m. with increasing cumulus clouds from the east during the afternoon, the direction changing to northeast in the evening and cirrus clouds moving from the southeast. The day was generally partly cloudy with fresh northwest winds prevailing."

"*Tuesday 6th.*—Partly cloudy in the early morning with cirrus clouds moving from the southeast and cumulus from the northeast. Threatening weather from about 9 a.m., with showers during the night; 5.25 a.m. to 5.28 a.m.; 9.38 to 10.05 a.m.; 11.56 a.m. to 11.57 a.m.; 12.08 p.m. to 3.30 p.m.; and from 8.40 p.m. to 9.30 p.m. Slightly falling barometer from 10.30 a.m. Generally gentle north east winds."

" *Wednesday 7th.* Showers began and ended during the night; 5.30 a.m. to 6.33 a.m.; 8.12 a.m. to 9.05 a.m.; 10.15 a.m. to 10.35 a.m. and from 2.25 p.m. to 6.45 p.m. Very unpleasant weather. Generally cloudy with winds fresh, and gentle from the northeast.

" Thunderstorm first heard at 4.15 p.m.; loudest at 4.18 p.m.; last heard at 4.20 p.m.; storm moved from the southeast to the northwest; temperature before the storm was 86, and it fell to 72 during the storm; direction of the wind before the storm was southeast; after northeast; maximum velocity of the wind was 9 miles, northeast; amount of precipitation from the storm, 0.32 inch.

" *Thursday 8th.* Light showers began and ended during the night. Generally clear in the morning with cumulus clouds moving from the northeast, wind very light and from the north. Very muggy. Cirrus clouds moving from the southwest appeared at 7.30 a.m. with wind northeast, and cumulus changing direction to southeast, weather becoming threatening, with showers 8.20 a.m. to 8.30 a.m., 9.20 a.m. to 1.30 p.m.; 2.30 p.m. to 4 p.m.; 7.30 p.m. to 9.05 p.m.; and from 10.50 p.m. to 11.20 p.m. Excessive rainfall occurred between 12.00 p.m. and 12.30 p.m. 0.51 inch falling during that time. Very unpleasant weather all day. Gentle northeast winds prevailed.

" *Friday 9th.* Clear immediately before the a.m. observation, but cloudy formation rapid shortly after the observation with showers 8.55 a.m. to 10.05 a.m., 1.30 p.m. to 2.40 p.m., 4.35 p.m. to 5.09 p.m.; and 8.20 p.m. to 8.45 p.m.

On Saturday, the 10th September, at Dodds Botanical Station at 9 a.m. the reading of the barometer was 29.840 and at 3 p.m. 29.680, giving a range of .160 inch more than double the average.

From about midday the wind blew from N.E. with light drizzly rain and during the afternoon came in fitful gusts from the same quarter. The sea was observed to be unusually rough on the coast line. It was generally cloudy, and a conspicuous cloud bank was noticed to the southeast about 4.30 p.m. and the general appearance was very threatening. From 3 p.m. to 6 p.m. the barometer reading showed a fall of .083. This was good evidence of coming danger, as at this time of the day the barometer does not show a downward tendency.

Mr. McDonough's record on this day was as follows—viz. :—

" *Saturday 10th.* A thunderstorm is reported to have occurred during the night, but nothing could be learned as to time or direction of movement. Light rain began during the night and ended 4 a.m. Drizzling rain from 10.50 a.m. to 12.30 p.m. Rain began at 1.15 p.m. and continued becoming excessive at 8.15 p.m. and 10.15 p.m.; the tilting bucket rain-gauge being upset at 10.18 p.m., there is no actual record as to the hourly amount which fell subsequent to that time, but it is estimated to be much greater than in the hours preceding.

" During the morning cirrus clouds were observed moving rapidly from the south, changing formation to strata cumulus, and nimbus in the north-east early in the forenoon. Very muggy during the day but not with abnormally high temperatures. The winds were generally from the northeast, backing to the north. The barometer rose slightly until about 9 a.m., and began to fall from 11 a.m., the weather in the meantime becoming very threatening, with light sprinkling rain. A heavy sea swell was reported from the southeast.

" At 6 a.m., the barometer read 29.894, noon 29.87; 12.40 p.m., 29.808, and from 1 p.m. to 6 p.m., it fell at the rate of 0.02 inch per hour, being 29.70 at the latter hour. It fell 0.12 inch from 6 to 7 p.m.; 0.03 inch from 7 to 8 p.m., and reached its lowest 29.462 at 9.20 p.m. The rise from 9.20 p.m. to 6 a.m., of the 11th was nearly uniform when the reading was 29.803.

In these observations we have recorded three forcible indications which combine to give evidence of an approaching storm. 1st a wind from some northerly point, 2nd a rapidly falling barometer and 3rd a boisterous and heavy sea, and these conditions were in existence for many hours before the severe portion of the hurricane was felt.

#### OBSERVATIONS DURING [THE HURRICANE.

As often happens when a hurricane occurs the observations taken while it was raging, were rendered incomplete owing to its severity. It was about 6.15 to 6.30 p.m., that the outer edge of the severe portion of the storm burst on this part of the island. This was very noticeable from the distinctly greater force of the wind which came with a terrific gust and there was a corresponding drop of the mercury, nearly  $\frac{1}{10}$  of an inch in fifteen minutes. From this hour till about 9.30 the wind gradually increased in force with a diminishing barometric record. At the latter hour the

barometer at this station recorded its lowest during the hurricane, being 29.404 inches, a fall of .167 inches from 6.15 p.m., to 9.30 p.m. From this time a rise was noted being more rapid from 10 to 10.30 p.m. After this hour it was more gradual and at about 12.30 to 1 a.m., the hurricane may be said to have been over.

The following is the barometrical record taken every quarter of an hour from 6.15 p.m., on the 10th to 12.30 a.m. on the 11th.

BAROMETRICAL RECORD. DODDS BOTANICAL STATION—

10TH SEPTEMBER, 1898.

6:15 p.m.	...	...	29.581 inches
6:30 "	...	...	29.481 "
6:45 "	...	...	29.513 "

BAROMETRICAL RECORD. DODDS BOTANICAL STATION—

10TH SEPTEMBER, 1899—*Continued.*

7:00 "	...	...	29.505 "
7:15 "	...	...	29.509 "
7:30 "	...	...	29.499 "
7:45 "	...	...	29.497 "
8:00 "	...	...	29.489 "
8:15 "	...	...	29.481 "
8:30 "	...	...	29.455 "
8:45 "	...	...	29.433 "
9:00 "	...	...	29.424 "
9:15 "	...	...	29.420 "
9:30 "	...	...	29.404 "
9:45 "	...	...	29.480 "
10:00 "	...	...	29.430 "
10:15 "	...	...	29.475 "
10:30 "	...	...	29.519 "
10:45 "	...	...	29.527 "
11:00 "	...	...	29.539 "
11:15 "	...	...	29.537 "
11:30 "	...	...	29.588 "
11:45 "	...	...	29.592 "
12:00 Midnight	...	...	29.552 "
12:15 a.m.	...	...	29.616 "
12:30 "	...	...	29.624 "

There being no self recording vane at this station the direction of the wind could only be roughly judged by glimpses from the sheltered side of the house, and then from the quarter in which the wind blew when it had sufficiently abated. At the commencement and during the first part of the hurricane it blew generally speaking from N.E. and at about midnight it was noticed from the S.E.

It kept a continuous roar and came with awful gusts at short intervals. To these no doubt is due the great damage which is seen to follow in the wake of one of these hurricanes. The traces of the hurricane in the shape of debris and trees showed that the severest wind (the first part of the hurricane) must have been northeasterly, comparatively few objects being observed to be blown from a southeasterly direction, though the latter were to be seen. The average velocity of the wind at this station from 5 p.m. on the 10th to 8 a.m. on the 11th was 42.7 miles per hour. As the hurricane practically only lasted about 6 hours of this time the intensity of the wind force may be imagined.

The lightning was incessant throughout the storm and flash after flash appeared in rapid succession. No thunder was heard probably on account of the roaring noise kept by the wind.

The rainfall registered at this station was 4.36 inches from 6 p.m. on the 10th to 6 a.m. on the 11th. Much heavier falls were however registered at other stations; the more so further south or nearer in the direction of the hurricane centre.

The following is quoted from Mr. McDonough's notes, viz:—

"During the afternoon the winds were generally north but without any decided increase in force. At 6.10 p.m. the wind changed to northeast with increased velocity and at 6.30 it began to blow a gale from the same direction increasing in force every minute thereafter and at 10.18 p.m. it had attained such a great velocity that it blew the instrument shelter and supports from the roofs, blew down the wind vane and anemometer support, which upset the self-registering rain gauge.

"The wind although apparently increasing steadily in force as shown by the anemometer record sheet, yet throughout the storm there were terrific instantaneous gusts, the velocities of which must have been very great. It was one of these violent gusts that blew the apparatus down. At 5 p.m. there was 13 miles of wind, 6 p.m., 17, 7 p.m., 31, 8 p.m., 36, 9 p.m., 48, 10 p.m., 54. The greatest velocity for 5 minutes was 62 miles per hour, northeast 10.01 p.m., to 10.06 p.m., and the greatest for 1 minute 75 miles, 10.17 p.m. The velocity of the wind was much greater between 10.18 p.m., and midnight than at any other time previous, and must have attained a rate of from 90 to 100 miles per hour. It abated considerably after midnight but blew a strong gale until after the morning observation of the 11th. During the storm there was a remarkable electric display over the entire heavens, but no thunder was heard. In the southwest at a great distance there appeared a brilliant permanent light during the night, but no explanation of this phenomenon can be given. Many persons report having experienced an earthquake shock, but none was felt at this office.

Attached herewith is a comparative chart of the barometric readings during the passing of the hurricane, at Dodds Botanical Station, Barbados, and the Botanical Gardens in St. Vincent, the centre of the hurricane having passed over the latter island.

The idea of the chart is to place together as nearly as possible those readings which were taken at the corresponding stages in the progression of the hurricane, at the two islands. The most striking feature is the much greater severity of the hurricane at St. Vincent as compared with Barbados. While at Barbados the total drop of the mercury during the hurricane was about two-tenths of an inch, at St. Vincent a fall of over one inch is recorded.

This chart also affords the means of ascertaining the diameter of the destructive portion of the hurricane, more conspicuously from the readings taken at St. Vincent.--The hurricane commenced severely at Barbados about 6.30 p.m. on the 10th and reached St. Vincent about 9 to 10 a.m. on the 11th. Mr. H. Powell, the Curator of the Gardens there, says in his official report on the hurricane: "At 10 a.m. the barometer had fallen to 29.539 and it was at this hour that the storm was seen to have commenced in earnest." Thus in passing from Barbados to St. Vincent, a distance of about ninety-five miles, the hurricane occupied about fifteen hours or it travelled during that time at about the comparatively slow rate of  $6\frac{1}{2}$  miles per hour.

Assuming that the hurricane commenced at from 9 to 10 a.m. which is evident from Mr. Powell's account, and also from the graphic illustration of the chart, it is also evident that it was practically over about 3 to 4 p.m. Mr. Powell says that at 3 p.m. the usual hour for recording observations the barometer had risen to 29.533 "and the storm had so abated as to render it safe to go outside." Consequently the severe and destructive portion of the hurricane seems to have lasted at St. Vincent about 6 hours. This compares favourably with the experience at Barbados.

Calculating the rate of the onward movement of the hurricane to be  $6\frac{1}{2}$  miles per hour as above, and assuming this rate at St. Vincent, it is readily seen that, as the centre of the hurricane passed over St. Vincent, and it took 6 hours to do so, the diameter of the destructive portion of the hurricane was about  $6 \times 6\frac{1}{2}$  miles or 38 miles. It is thus seen that it was a very small hurricane but at the same time a very severe one, as depicted by the awful havoc and destruction wrought at St. Vincent.

#### TRACK OF HURRICANE.

The earliest record that I have been able to obtain bearing on the track of the hurricane is taken from the Barbados *Advocate* Newspaper of the 17th September, 1898. It reads

"The log of the French barque 'Touney' which arrived here on Monday reporting having encountered the hurricane 300 miles from Barbados is as follows:--'Mid-day 9th September, point observed latitude 12.2, longitude 54.2 (Paris) wind blowing N. E. Strong wind, Heavy, barometer 29.6 (corrected 29.85) winds became stronger after mid-day. At 4 p.m. barometer fell  $\frac{1}{16}$  per hour, and at 7 p.m. it was at 29.1 (corrected 29.35), wind altering from N. E. to N. N. E. After mid-night 9th September barometer 29.5 (corrected 29.75).'"

The barque "Touney" appears to have encountered the hurricane about 24 hours before it reached Barbados at a distance as recorded above of 300 miles, making its average rate of advance for those 24 hours to be a little over 12 miles per hour, moving from about an East-South-Easterly direction.

Its centre having passed about 15 miles south of the most southerly point of Barbados it continued its course in a direct line to the island of St. Vincent, at a considerably slower rate between Barbados and that island, calculated as mentioned before to be about  $6\frac{1}{2}$  miles per hour.

The Pilot Chart of the North Atlantic Ocean issued in November 1898, and which was kindly supplied from the Hydrographic Office at Washington U.S.A., contains a detailed account of the track of this hurricane between the 10th and 20th September, 1898, at which date it was on its easterly course in the Mid-Atlantic. I have annexed a copy of Chart III,\* taken from Reid's Law of Storms showing the recorded tracks of some ten hurricanes, and giving a general idea of the course these hurricanes usually take. The track of this hurricane has also been traced on that chart from the data given as observed on the barque "Tourney" and from the United States Pilot Chart. From this Chart the following extracts are taken giving a detailed record of the hurricane track viz:—

"The track of the West Indian Hurricane of September 10—20 is shown upon the main Chart. The approach of this hurricane was indicated at Barbados by dark lowering weather, and falling barometer during the forenoon of Saturday, September 10th. The centre passed to the southward of this island at 9.30 p.m.—12.30 p.m. of the same day; lowest barometer 29.40; Winds N.E. shifting S.E.

"At 12 noon, September 11th, the storm was central near Kingstown, St. Vincent.

"From St. Vincent the hurricane moved N.W., at the low rate of 6 miles per hour; winds with force of gales within seventy five miles from its centre. On the 12th and 13th it was central to the west of the Lesser Antilles, turning to the northward on the latter date. On the 14th, it resumed its north west course, recurving to the northeast on the 17th near latitude 30° N., longitude 71° W."

The British Steamship "Irrawaddy," Port-of-Spain to New York, encountered the hurricane on the 11th and kept within the storm area until the 18th. She had strong winds to gales of hurricane force throughout this period, experiencing some very bad weather.

"On 18th and 19th the storm pursued a northeasterly course moving at the rate of twenty-five to thirty miles an hour; its area being increased considerably.

"The last report of the storm received was that of British steamship "Hesperia." She reports latitude 42° N., longitude 42° W., a.m. 20th, winds S.S.W. force 10, shifting N.W.; lowest barometer 29.62; squalls blowing with terrific force; sea at times mountainous."

The irregularity of the first half of the course of this hurricane as compared with the others recorded on Reid's Chart is very conspicuous, and it appears inexplicable why it changed its course so suddenly at St. Vincent from an almost westerly to a north westerly.

It seems to have followed then a direction corresponding to the chain of West India Islands until about west of Antigua when it took a more northerly turn, steering its way between the northernmost islands of the Lesser Antilles on the east and the Virgin Islands on the west.

Its northerly course continued till between the dates of 14th and 15th when it changed again to a northwesterly, gaining its westerly limit on 17th at a latitude of 30° N. It then assumed a northeasterly direction which was followed during the next three days. No further record of its track has been obtained.

Dodds,  
26th April, 1900.

E. L. SKEETE.

\* Not printed.



METEOROLOGICAL REPORT FOR 1898. DOIDDS BOTANICAL STATION, BARBADOS.

(Height above Sea-level 210 feet.)

Months.	Barometric Pressure reduced to Sea-level and 32° Fahrenheit.			Temperature.								Tension of Vapour.			Humidity.		Wind		Rainfall for 1898.	Number of wet days.	
	9 a.m.	3 p.m.	Mean.	Maximum mean.	Minimum mean.	Maximum extreme.	Minimum extreme.	Maximum blackened bulb (ft. from ground in vacuo.	Mean for month.	Range.	Dew Point 9 a.m.	Dew Point 3 p.m.	9 a.m.	3 p.m.	Mean.	9 a.m.	3 p.m.	Mean.			Velocity miles per hour.
January	29.983	29.890	29.941	83.2	73.2	85.0	67.7	118.9	78.2	17.3	69.6	70.1	723	736	729	70.0	68.8	69.4	8.6	1.74	16
February	29.957	29.873	29.915	82.6	72.1	84.8	65.4	146.9	77.5	19.4	69.9	67.3	659	668	663	60.1	63.2	64.6	8.9	1.21	10
March	29.920	29.846	29.883	82.5	72.1	85.3	65.9	150.4	77.4	19.4	68.0	69.8	681	728	706	68.4	70.7	69.5	8.8	4.34	14
April	29.963	29.917	29.955	83.5	73.5	86.1	68.7	149.5	78.5	17.4	68.7	68.9	701	706	703	65.9	65.5	65.7	12.5	1.24	10
May	29.970	29.898	29.934	85.3	70.2	87.0	69.8	115.0	80.7	17.2	70.4	70.1	741	736	740	65.8	63.4	64.6	10.1	.65	8
June	29.977	29.922	29.949	85.6	70.2	88.4	69.9	144.0	80.9	18.5	71.9	71.7	782	777	779	69.1	67.6	68.3	12.5	3.72	17
July	29.971	29.917	29.944	84.6	73.4	86.9	70.3	146.6	80.0	16.6	72.6	72.4	801	796	798	73.3	70.8	72.0	9.3	5.78	27
August	29.948	29.880	29.919	84.8	75.0	87.3	69.9	146.6	74.9	17.1	73.6	74.2	829	846	837	74.7	73.2	74.9	8.7	7.11	25
September	29.927	29.856	29.891	83.7	74.5	86.5	69.5	152.9	79.1	17.0	73.6	73.1	829	815	822	76.6	74.9	75.7	6.9	16.77	17
October	29.989	29.852	29.895	84.4	75.3	80.5	69.3	116.3	79.8	17.2	73.2	72.1	818	788	803	73.9	71.2	72.5	6.1	9.42	21
November	29.904	29.823	29.863	82.7	74.5	85.3	69.8	118.0	78.6	15.5	72.6	72.1	801	788	794	78.8	75.5	79.1	7.5	6.01	18
December	29.979	29.902	29.940	81.9	73.8	84.8	68.7	113.9	77.8	16.1	70.4	69.7	744	726	735	73.8	70.7	72.2	8.6	6.53	22
	29.956	29.883	29.919	83.7	74.4	80.4	68.7	117.4	78.6	17.4	71.0	70.9	760	760	759	71.2	69.8	70.4	9.0	64.55	205

JOHN R. BOVELL,  
Superintendent.

METEOROLOGICAL REPORT FOR 1899. DODDS BOTANICAL STATION, BARBADOS.

Height above Sea Level 210 feet.

Months.	Barometric Pressure reduced to Sea level and 32° Fahrenheit.			Temperature.								Tension of Vapour.			Humidity.			Wind.		Rainfall for 1899.	Number of wet days.
	9 a.m.	3 p.m.	Mean.	Maximum mean.	Minimum mean.	Maximum extreme.	Minimum extreme.	Maximum blackened bulb 4 ft. from ground in vacuo.	Mean for month.	Range.	Dew Point 9 a.m.	Dew Point 3 p.m.	9 a.m.	3 p.m.	Mean.	9 a.m.	3 p.m.	Mean.	Velocity miles per hour.		
January	29.989	29.925	29.962	80.7	72.4	83.1	67.6	144.0	76.5	15.5	69.1	68.4	71.1	69.4	70.2	74.4	70.1	72.2	10.8	2.04	19
February	29.925	29.946	29.985	80.4	71.9	84.5	67.8	142.5	76.1	16.7	69.8	68.7	71.0	71.0	70.8	77.5	71.0	74.2	10.7	3.16	22
March	29.901	29.920	29.960	80.6	71.5	83.0	67.2	144.2	76.0	15.8	71.1	72.5	70.9	70.9	78.0	81.2	81.4	81.3	9.6	2.88	12
April	29.900	29.916	29.973	82.9	73.4	85.3	67.2	142.2	78.1	18.1	...	...	...	...	...	...	...	...	9.0	.48	6
May	29.979	29.934	29.967	84.6	74.9	85.3	71.5	143.0	79.7	13.8	71.0	70.6	75.9	74.9	75.1	66.6	65.1	65.8	10.0	.95	10
June	29.979	29.926	29.952	81.7	75.1	87.0	70.5	143.8	79.9	16.5	72.9	72.3	81.0	79.3	80.1	72.2	69.6	70.9	9.8	3.54	17
July	29.949	29.901	29.925	84.8	75.2	86.8	71.2	143.5	80.0	15.6	78.2	78.9	80.5	87.7	87.6	88.1	86.6	87.3	11.7	3.42	24
August	29.929	29.899	29.905	85.2	76.1	87.7	72.0	146.0	80.6	15.7	77.7	77.9	84.9	93.5	93.2	83.6	82.8	83.2	9.8	4.05	18
September	29.957	29.882	29.919	85.6	76.1	88.2	70.0	144.0	80.8	18.2	75.1	74.3	87.1	84.8	85.9	75.6	73.0	74.2	6.5	2.41	13
October	29.905	29.822	29.863	84.5	76.3	86.0	70.0	145.0	80.4	16.9	73.5	73.4	82.6	82.3	82.4	73.9	71.8	72.8	5.8	7.05	18
November	29.911	29.830	29.870	83.5	76.6	86.2	71.7	141.0	80.1	14.5	74.5	74.0	85.1	84.0	84.7	77.4	75.6	76.5	7.6	5.70	17
December	29.918	29.832	29.875	82.0	75.4	85.3	71.9	144.0	78.7	13.8	71.4	71.2	76.9	76.4	76.0	74.9	79.8	77.3	7.2	11.74	15
	29.961	29.892	29.927	83.3	74.6	85.8	69.8	143.8	78.9	15.9	73.1	72.9	81.7	81.5	81.5	76.8	75.2	76.0	9.0	49.55	191

JOHN R. BOVELL,  
Superintendent.

BARBADOS RAINFALL FROM JANUARY TO DECEMBER, 1898.

Name of Station.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Totals.		
	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	
I. DISTRICT "A."																											
St. Michael, Leeward.	237	1.85	10	1.97	12	4.28	9	1.34	7	4.5	15	6.00	18	5.85	23	7.00	18	11.20	13	7.42	14	8.22	19	6.04	165	61.11	
Lower Estate	152	1.50	10	1.50	10	1.16	5	1.00	8	1.17	12	4.51	19	6.00	22	6.00	16	22.27	13	7.56	15	7.12	24	6.10	158	68.05	
Hagart Hall	216	1.07	6	1.06	8	3.14	3	1.13	1	1.06	9	3.63	13	5.99	17	2.34	17	21.26	13	9.70	10	7.38	12	8.62	113	61.80	
Clayton	90	1.49	6	1.49	12	4.29	13	1.85	1	2.0	9	4.66	25	7.18	20	2.58	20	28.00	18	12.10	18	12.10	20	5.83	101	82.58	
Government House	97	1.86	5	1.86	9	4.32	5	1.85	2	1.0	10	4.64	19	5.27	23	4.12	17	19.21	13	7.71	15	8.33	18	4.38	118	60.22	
District A.	13	1.08	9	1.08	11	5.22	8	1.08	3	1.22	14	5.05	17	5.73	20	4.55	20	14.31	13	7.80	13	7.27	20	4.70	162	58.53	
Central Police Station	110	1.76	8	1.76	12	3.63	7	1.76	6	1.25	14	5.83	20	5.18	24	5.50	19	19.10	15	9.22	14	7.77	22	5.65	175	60.03	
Bush Hall	223	1.10	7	1.10	7	3.85	4	1.10	3	1.41	11	5.38	16	5.40	20	5.55	15	23.05	10	9.22	14	10.55	14	7.09	111	67.03	
White Hall	70	1.84	10	1.84	5	4.13	8	1.84	6	1.08	13	4.96	13	4.85	14	1.00	13	15.22	12	7.15	10	7.49	14	4.07	91	52.53	
Grazetts	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dayrells	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Fairfield	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Waterford	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Queens House	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Jackmans	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lower Brney	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Windsor Cot.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	154	20.47	119	20.85	154	64.55	107	14.53	58	4.28	165	73.91	260	93.31	323	88.13	250	300.11	191	122.94	200	125.04	262	74.24	2,278	1,001.70	
	10.26	1.30	7.41	1.30	9.62	4.08	6.70	9.1	3.87	29	12.19	4.62	17.33	5.85	20.19	5.53	15.62	18.76	12.73	8.14	13.33	8.31	18.71	5.30	117.99	64.41	
II. DISTRICT "B."																											
Christ Church, Leeward.	150	2.20	4	1.90	8	3.90	4	1.39	2	1.63	7	3.89	13	6.50	16	6.04	11	15.02	11	11.23	9	4.95	13	4.70	107	62.23	
Woodbourne	220	1.50	9	1.80	9	4.18	5	1.71	5	1.35	13	5.21	18	6.12	14	6.22	15	10.80	16	11.08	18	5.08	17	4.04	165	58.36	
Lowthers	254	1.91	8	1.21	10	5.24	5	1.11	4	1.50	10	5.74	14	5.07	23	6.55	16	10.32	17	13.18	12	5.31	16	3.71	111	63.90	
Coveley	183	1.44	8	1.44	8	3.27	5	1.58	2	1.14	6	4.99	12	7.03	17	6.98	11	18.22	14	10.71	8	5.93	11	7.17	110	69.12	
Hannays	283	1.71	9	1.71	8	3.22	6	1.14	2	1.14	2	4.70	16	7.50	20	7.70	16	20.54	15	10.25	10	5.30	19	5.37	140	70.75	
Searles	135	1.87	10	1.87	13	2.88	8	1.11	3	1.11	3	4.14	13	4.14	24	5.00	25	18.22	14	10.25	16	5.82	18	4.08	175	66.82	
Falls	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gibbons	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Newton	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lower Greys	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bannatyne	207	1.07	6	1.07	10	2.23	8	1.07	4	1.07	6	4.09	14	8.56	16	7.22	15	13.69	15	10.38	12	6.01	17	5.69	139	60.83	
Maxwells	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hastings	362	1.47	5	1.47	6	2.49	4	1.47	1	1.47	6	3.94	12	6.17	20	6.40	14	10.35	13	9.52	14	6.76	16	3.76	137	64.38	
Durants	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ridge	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Beutley	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Maynards	169	1.52	5	1.52	5	1.80	4	1.52	3	1.52	4	4.13	10	5.57	25	6.45	16	10.63	15	9.55	11	5.91	18	7.51	138	67.21	
Spencers	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wilcox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hope	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Little Four Square	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Isleworth Hasting	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pilgrim Place	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	263	40.40	164	31.11	211	71.61	144	25.07	69	8.86	239	83.28	356	136.17	443	133.49	349	420.28	319	230.10	257	115.03	341	108.27	3,158	1,410.27	
	11.13	1.76	7.13	1.35	9.59	3.25	6.55	1.14	3.14	40	10.86	4.24	16.18	9.19	20.14	6.16	13.80	19.10	15.10	10.96	12.24	5.31	16.38	5.15	144.09	65.22	
St. GEORGE, Highlands.																											
Lennon Arbor	720	1.84	6	2.03	8	6.08	4	2.20	3	1.70	8	3.84	11	5.75	23	8.20	9	18.08	8	9.70	8	11.25	12	6.06	103	75.63	
Ashbury Cottage	720	2.07	8	1.85	16	7.36	9	1.60	5	1.40	15	3.47	22	5.91	24	7.56	17	15.01	12	10.10	14	11.25	21	7.02	174	75.95	
Groves	717	2.47	12	2.90	12	5.81	8	2.47	6	1.39	14	5.37	21	8.08	22	9.01	17	13.87	14	8.13	17	12.96	21	9.78	181	91.24	
Moonsbite	537	2.40	11	2.97	13	6.46	12	3.76	4	1.48	18	9.18	22	7.03	18	26.69	15	16.32	16	10.32	16	13.62	22	8.09	181	97.32	
	11	2.45	5	1.95	9	5.11	10	2.53	4	1.83	12	5.37	16	6.27	17	6.51	17	19.55	10	7.47	12	9.39	17	6.55	140	74.18	

\* Rain Gauge overlaid on 10th.

**BARBADOS RAINFALL FROM JANUARY TO DECEMBER, 1898.**

Name of Station.	Elevation. Feet.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Totals.			
		Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.		
<b>II. District "B."</b>																													
St. George.																													
<i>Highlands (Contd.)</i>																													
Golden Ridge	877	18	2-72	16	7-05	13	3-56	5	4-0	15	4-60	24	8-15	23	8-48	16	24-38	16	10-30	18	12-46	26	8-31	203	83-13	176	69-57		
Woodland	...	7	1-11	11	5-11	11	1-50	4	4-4	13	3-85	21	5-67	23	6-41	18	18-92	15	8-47	15	10-41	21	6-47	140	69-57	176	69-57		
Fair View	...	9	3-22	5	2-41	14	6-13	7	1-96	6	4-35	11	5-80	...	7-04	17	26-16	10	8-95	10	10-63	13	7-55	48	80-36	48	80-36		
Newbury	...	16	3-69	7	2-20	10	6-50	10	1-80	5	4-10	16	6-15	22	8-20	15	20-91	12	8-22	16	12-16	22	8-79	160	84-07	160	84-07		
Harmey Cot	...	131	24-05	83	21-82	116	60-25	90	23-36	39	5-31	106	44-48	160	68-28	178	69-34	144	22-16	118	117-96	175	78-81	1,481	826-04	1,481	826-04		
...	...	13-10	2-40	8-30	2-18	11-60	6-03	9-00	2-84	8-90	5-3	11-78	4-44	17-78	0-83	22-25	6-68	16-00	22-22	12-56	9-02	11-70	19-14	7-88	159-71	82-50	159-71	82-50	
<b>St. George.</b>																													
<i>Lowlands.</i>																													
District B	...	9	1-30	0	1-50	10	3-78	8	1-07	4	4-1	15	4-75	18	4-53	23	6-79	17	17-37	18	6-47	20	8-65	164	65-46	164	65-46		
Constant	...	18	1-94	9	1-84	10	5-89	5	1-59	7	7-8	12	4-60	12	6-96	20	6-18	15	16-04	20	7-94	18	7-36	184	68-23	184	68-23		
Brighton	...	18	2-03	5	1-41	13	5-86	11	1-57	7	4-8	16	4-81	27	7-19	26	8-03	21	10-03	20	8-38	17	5-97	146	57-27	146	57-27		
Valley	...	162	10-144	8	1-57	11	4-71	7	1-41	6	5-9	14	4-10	18	5-61	22	6-58	14	22-08	14	9-78	12	8-53	17	7-76	191	78-43		
Windsor	...	22	2-09	10	1-14	16	4-80	12	1-53	6	3-4	14	4-10	17	5-39	17	5-03	10	28-37	14	8-02	14	4-68	122	69-04	122	69-04		
Salters	...	8	1-54	6	1-37	9	4-31	5	1-15	4	5-0	9	3-74	17	5-39	25	7-74	17	15-16	10	8-02	22	6-48	105	68-37	105	68-37		
Frenches	...	11	2-08	6	1-46	11	5-25	7	1-72	3	3-1	10	4-69	18	6-55	22	7-20	15	14-62	11	9-88	14	6-26	116	61-73	116	61-73		
Byde Mill	...	9	1-86	6	1-03	13	5-24	7	1-06	1	1-3	10	4-17	19	5-10	22	7-20	15	14-62	11	9-88	14	6-26	116	61-73	116	61-73		
Carnicheals	...	14	1-86	7	1-58	10	4-71	4	9-8	3	4-3	12	4-10	16	6-02	20	5-46	15	19-53	12	9-19	16	8-13	141	69-10	141	69-10		
...	...	100	15-87	66	12-90	103	43-05	66	12-41	41	8-97	107	40-43	162	54-68	199	60-24	144	171-95	126	74-56	141	54-30	1,306	611-43	1,306	611-43		
<b>III. District "C."</b>																													
St. Philip.																													
<i>Highlands.</i>																													
District C	...	12-11	1-76	7-32	1-43	1-14	4-78	7-33	1-38	4-35	4-1	11-90	4-40	18-00	0-07	22-11	6-09	16-00	10-10	14-00	8-28	7-45	16-00	6-03	144-80	67-90	144-80	67-90	
Hill View	...	505	1-61	9	1-48	17	4-42	11	1-64	6	6-5	15	8-81	21	4-98	23	7-81	18	16-18	19	10-88	17	9-89	22	6-25	162	68-35		
Mount Pleasant	...	507	1-92	6	1-58	12	4-67	8	1-54	6	5-8	13	8-31	25	5-10	24	7-64	...	...	...	...	...	...	...	...	...	151	50-50	
...	...	...	1-55	...	94	...	4-13	...	1-81	...	1-9	2-73	...	6-81	...	6-81	...	...	...	...	...	...	...	...	...	...	...	48-35	
...	...	25	5-08	15	4-00	29	13-22	19	4-79	12	1-42	28	9-85	46	10-93	47	22-06	18	10-18	32	28-19	35	27-97	37	18-01	343	167-20		
...	...	12-30	1-69	7-50	1-33	14-50	4-41	9-50	1-59	6-90	4-7	14-00	8-12	23-00	5-61	23-50	7-35	18-00	10-18	16-00	9-39	9-32	18-50	6-00	180-50	66-49	180-50	66-49	
<b>St. Philip.</b>																													
<i>Lowlands.</i>																													
Bayleys	...	128	4	1-38	5	4-85	4	1-14	1	1-8	7	2-46	11	3-33	17	5-27	13	15-68	13	7-03	9	6-00	13	4-11	101	52-68	101	52-68	
Golden Grove	...	113	8	1-18	10	4-70	12	1-75	12	1-75	17	4-82	22	4-32	24	5-79	15	22-47	17	8-08	10	7-91	21	4-75	181	87-18	181	87-18	
Eastbourne	...	...	6	8-4	4	3-37	5	5-5	3	1-0	8	3-2	30	4-38	22	5-81	19	26-80	24	7-04	13	7-75	16	5-89	148	68-14	148	68-14	
Mapps	...	...	8	1-03	6	1-17	9	1-33	4	3-0	10	1-81	21	3-55	22	5-41	14	22-87	14	4-38	16	6-58	16	3-85	147	57-21	147	57-21	
Willshires	...	121	6	1-33	7	4-77	7	1-65	3	4-8	8	2-16	10	4-05	19	5-65	15	19-29	11	7-84	12	8-40	13	3-76	113	50-26	113	50-26	
Three Houses	...	135	7	1-24	6	9-7	9	1-53	3	3-5	13	2-75	15	4-67	20	6-59	15	19-29	11	7-84	12	8-40	13	3-76	113	50-26	113	50-26	
Sandy Hill	...	125	8	1-55	4	1-06	11	3-99	6	4-3	13	3-72	14	5-01	20	7-14	16	13-01	13	9-28	11	5-79	15	5-06	135	57-05	135	57-05	
Kirton	...	74	12	1-80	8	1-41	9	3-65	4	4-5	10	1-80	10	4-45	16	6-41	13	24-42	12	9-81	12	6-47	14	4-77	136	72-22	136	72-22	
Fortescue	...	150	10	1-34	7	1-78	13	4-32	6	3-8	5	2-1	13	4-44	14	5-09	20	6-41	13	9-28	11	5-79	15	5-06	135	57-05	135	57-05	
Thicket	...	213	12	1-28	6	1-09	12	4-23	10	1-89	2	3-1	14	4-70	18	7-11	15	23-08	14	8-04	13	5-96	18	5-57	144	64-18	144	64-18	
Rushy Park	...	161	10	1-20	8	1-31	14	3-96	10	1-91	5	4-08	17	5-64	22	7-15	17	19-02	15	10-25	14	6-11	16	4-81	159	70-00	159	70-00	
Congo Road	...	110	10	1-76	6	1-35	14	6-23	9	1-91	5	4-08	17	5-64	22	7-15	17	19-02	15	10-25	14	6-11	16	4-81	159	70-00	159	70-00	
Senhouse Grove	...	105	11	2-16	4	1-11	11	5-78	5	1-58	4	5-1	11	3-95	16	5-35	23	7-06	17	12-30	15	...	...	...	...	117	40-61	117	40-61
Oughlerson	...	201	16	1-32	5	1-15	12	4-03	9	1-38	3	3-2	16	3-80	18	4-88	20	6-28	18	20-67	13	7-20	20	6-82	162	68-26	162	68-26	
Dockds	...	210	16	1-71	10	1-21	14	4-34	10	1-21	8	4-6	17	3-72	27	5-78	25	7-14	16	28-52	12	9-42	13	6-44	150	64-55	150	64-55	
Sunbury	...	108	9	1-17	11	1-44	16	4-71	9	1-54	4	3-6	21	4-90	21	5-76	22	6-68	17	26-17	14	4-88	16	6-12	148	62-31	148	62-31	
Hampton	...	116	9	1-42	10	1-48	12	4-65	7	1-45	5	4-5	14	3-8	18	4-38	23	7-38	17	22-90	13	5-99	18	6-12	164	71-33	164	71-33	
Carringtons	...	228	10	1-89	9	1-71	14	4-74	9	1-48	7	4-4	14	5-28	23	7-38	24	9-08	16	19-83	16	5-99	22	6-82	177	75-40	177	75-40	

\* Rain Gauge overflooded on 10th.

BARBADOS RAINFALL FROM JANUARY TO DECEMBER, 1898.

Name of Station.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Totals.		
	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	
III. DISTRICT "C." St. Philip. Leicesters. (Contd.)																											
Hulton	10	1.90	10	1.37	15	4.88	10	1.32	7	.86	14	4.59	22	5.94	25	7.73	17	19.17	21	9.81	19	5.85	24	5.83	200	68.31	
Edgemoor	11	1.41	8	.88	10	2.91	8	1.37	4	.28	11	4.46	17	9.26	23	6.46	16	10.60	19	9.48	13	4.80	19	4.77	139	61.08	
Fouquieria	11	1.71	10	1.60	11	4.08	7	1.60	3	.88	14	4.28	15	5.85	25	6.08	16	10.80	10	10.80	6	2.80	10	4.16	137	39.08	
Summersville	6	1.29	6	.98	12	3.79	8	1.37	5	.42	13	2.86	20	4.44	22	6.11	17	17.23	15	9.90	15	7.39	22	6.17	161	62.25	
Marchfield	15	8.12	8	1.57	10	5.52	10	1.80	7	.52	16	4.30	23	7.27	23	7.92	11	18.01	14	10.84	12	6.19	...	...	100	67.71	
	236	36.94	171	29.02	276	107.02	190	33.94	104	10.00	203	84.10	417	120.72	5.01	100.15	371	481.43	355	211.45	285	148.00	371	118.00	3573	1,554.30	
	9.83	1.54	7.13	1.21	11.50	4.46	7.02	1.41	4.52	.42	12.74	3.51	18.13	5.28	21.78	6.97	10.20	20.78	15.43	8.94	12.95	6.46	17.07	5.30	155.80	65.47	
St. JOHN. Highlands.																											
Monnetville	12	.98	6	1.30	13	5.87	7	2.45	3	.64	15	3.27	21	5.22	21	7.28	17	23.73	14	9.82	13	9.12	17	4.78	159	74.56	
Society	9	1.18	12	1.95	13	5.90	6	1.05	5	.50	14	2.92	17	5.51	21	6.01	15	39.17	17	8.75	12	9.34	10	5.30	163	67.46	
Guinea	338	9	1.18	12	5.51	11	1.87	9	1.05	6	.60	12	2.76	30	6.03	25	7.47	15	24.53	17	6.80	15	9.22	20	6.50	107	73.18
Cliff	534	14	1.82	11	1.40	14	5.70	8	1.30	5	.87	12	3.42	22	6.39	24	7.44	16	35.72	17	6.80	15	9.30	22	6.23	187	71.81
Colleton	707	8	1.13	9	2.05	14	5.08	12	2.86	3	.48	12	2.89	20	6.14	24	9.85	10	28.53	21	10.32	10	11.38	18	3.20	153	76.62
Ashford	606	14	2.11	12	1.38	10	6.24	12	2.91	2	.66	14	3.20	20	5.50	23	6.04	19	20.21	18	10.91	14	12.41	23	6.37	185	70.92
Pool	716	14	1.67	12	1.97	13	6.35	11	2.68	5	.43	16	4.26	21	7.29	24	8.05	11	42.07	20	10.54	11	12.41	23	6.40	193	89.23
Renley	553	13	2.45	14	2.04	13	6.16	11	1.45	5	.58	15	3.01	23	6.40	22	9.11	11	47.97	20	10.42	13	12.08	22	5.20	171	74.52
Hothersal	712	14	1.42	13	1.92	15	6.11	8	1.80	2	.40	15	2.74	25	6.40	25	7.21	11	47.97	17	10.61	15	12.07	18	5.70	171	80.24
Raynesfield	707	12	1.55	10	1.87	11	6.40	11	1.87	7	.89	16	3.56	25	6.80	22	7.74	19	22.79	17	10.92	16	11.47	18	6.82	171	84.27
Malvern	900	11	1.75	12	2.49	15	6.16	11	2.56	4	.89	13	3.57	20	6.80	22	7.74	19	22.79	17	10.92	16	11.47	18	6.82	171	84.27
Kendal	544	13	2.28	9	1.74	16	7.04	8	1.45	2	.83	11	3.66	18	5.30	18	5.08	13	23.44	14	8.46	12	11.47	16	5.15	157	62.36
Claybury	750	9	1.51	13	1.95	15	5.19	10	1.24	6	.29	14	3.36	14	5.84	23	6.50	19	25.00	13	8.05	13	10.47	23	5.06	171	75.78
Raynes Hill	165	22.49	142	25.77	206	84.54	138	26.88	63	6.23	195	46.21	276	87.01	316	91.21	234	298.62	280	137.75	186	135.61	281	84.46	2,441	1,070.41	
	11.70	1.61	10.14	1.81	14.71	6.04	9.80	1.92	4.50	.41	15.93	3.30	19.71	6.20	22.57	6.73	16.71	21.33	17.07	9.84	19.20	11.11	20.97	6.03	174.85	76.45	
St. JOHN. Lowlands.																											
Codrington College	8	1.21	9	1.20	16	4.60	12	1.14	0	.41	16	3.26	18	5.81	22	6.41	18	22.31	19	18.18	14	9.04	15	4.22	173	67.70	
College	4	.50	7	.58	11	2.61	5	.30	3	.34	7	1.40	9	2.70	12	2.82	12	15.36	10	6.57	10	9.04	11	4.88	103	35.83	
Newcastle	238	16	1.81	13	1.74	18	4.88	9	.80	7	.58	14	3.02	22	5.06	23	5.31	21	15.40	11	9.14	15	9.21	23	5.27	108	63.87
Bath	8	1.59	7	.40	13	4.95	8	1.90	4	.20	14	3.13	12	5.42	18	5.80	13	20.08	11	8.00	12	6.68	15	4.42	137	63.75	
	36	4.70	36	4.42	58	17.05	31	3.30	20	1.62	51	10.81	61	19.05	75	10.84	66	72.75	56	31.89	41	20.93	67	18.70	601	231.24	
	9.00	1.18	9.00	1.11	14.50	4.26	8.50	.85	5.00	.40	12.75	2.70	15.25	4.76	18.75	4.96	16.50	18.10	14.00	7.97	19.25	6.73	10.75	4.70	150.25	57.81	
IV. DISTRICT "D." St. Thomas. Highlands.																											
Monnet Wilton	12	1.73	11	2.60	16	6.55	14	2.65	7	.42	14	3.90	22	7.30	23	7.60	18	20.85	14	8.92	14	13.98	21	8.13	186	84.21	
Bloonsbury	1085	23	2.04	11	2.20	15	7.11	12	2.30	6	.40	17	3.82	22	7.55	23	8.08	21	40.20	16	8.11	21	12.80	28	7.60	225	63.80
Stunges	965	21	2.51	9	2.77	17	6.35	12	2.80	9	.43	16	3.10	25	7.40	25	8.00	20	23.80	19	8.74	20	13.30	29	8.12	226	60.32
Westwood	1062	16	2.11	11	2.06	13	6.94	12	2.62	6	.83	13	4.18	20	7.80	25	9.61	15	24.44	15	8.76	17	13.58	23	9.04	183	68.26
Lion Castle	900	16	1.92	14	2.69	18	5.80	17	3.21	6	.39	18	4.48	28	8.33	27	9.38	17	23.03	16	8.05	19	15.20	28	7.84	220	60.38
Canefield	1024	13	2.42	12	3.00	13	6.45	9	2.27	7	.73	18	4.48	26	8.35	25	7.45	19	22.67	14	7.00	26	7.14	26	7.14	158	47.48
Dunnscombe	850	13	2.42	11	2.38	14	6.47	8	2.27	9	.80	11	4.87	26	7.30	25	8.05	15	10.83	13	9.72	15	11.27	19	8.15	148	55.02
Farmers	903	9	2.93	11	2.53	11	6.47	8	2.27	9	.80	11	4.87	26	7.30	25	8.05	15	10.83	13	9.72	15	11.27	19	8.15	148	55.02
Dukes	10	2.53	12	2.53	15	5.71	12	3.05	6	.28	17	5.01	22	7.14	26	9.46	10	23.76	18	8.34	17	14.51	27	7.41	207	82.00	
District D	678	13	2.92	10	2.95	12	6.59	13	2.94	6	.37	16	4.50	22	7.28	24	8.65	19	24.37	18	8.41	19	13.75	27	8.27	204	90.40
	157	22.00	108	28.15	131	65.00	112	28.04	58	4.08	124	37.46	168	70.19	221	84.08	161	218.26	143	84.93	142	121.22	238	70.21	1,781	849.31	
	15.70	2.21	10.80	2.82	14.50	6.50	12.44	2.80	6.44	.41	15.50	4.16	21.78	7.02	24.35	8.17	17.80	24.25	13.80	8.40	17.75	13.47	25.33	7.92	198.63	80.12	

\* Rain Gauge overflowed on 10th.

BARBADOS RAINFALL FROM JANUARY TO DECEMBER, 1898.

Name of Station.	Elevation. Feet.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Totals.		
		Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	
<b>IV. District "D."</b>																												
St. Thomas.																												
Loxlands (Conall).																												
Fisherpond	725	10	2.33	11	1.85	11	6.22	13	2.29	4	3.33	17	1.28	24	7.19	20	7.90	19	25.90	13	9.24	15	13.24	19	6.14	179	80.07	
Bushy Park	700	11	2.21	9	2.90	11	5.90	10	3.61	5	7.8	13	4.45	23	8.07	23	9.45	11	17.46	16	10.30	16	14.75	21	8.58	107	88.52	
Oliver Branch	680	11	2.23	10	3.37	18	6.91	13	3.28	8	3.22	19	5.21	24	7.01	27	9.09	20	21.72	19	9.93	22	13.19	26	7.85	180	90.32	
Edgill	534	27	2.52	14	2.54	18	5.52	13	2.52	6	3.2	11	5.65	15	6.71	19	7.54	13	25.30	12	6.77	11	10.12	14	4.36	228	90.10	
Wetleys	433	9	2.23	7	1.70	10	5.68	6	1.33	1	6.8	11	5.04	15	4.56	22	6.56	15	29.28	12	7.52	16	8.91	19	3.28	141	71.20	
Bennetts	350	19	2.03	9	1.97	14	5.36	12	1.94	2	2.7	18	5.02	22	7.08	22	8.23	18	24.82	12	7.35	18	10.68	26	6.32	197	81.44	
Grand View	...	8	1.82	8	1.00	8	6.19	8	1.37	3	2.1	11	6.80	13	6.48	22	9.15	16	25.02	15	10.14	16	10.69	18	6.38	142	86.44	
Mangrove Pond	...	17	2.63	12	1.43	11	6.31	12	2.05	2	2.4	13	4.07	23	5.64	21	6.64	18	12.12	...	7.67	17	12.24	25	5.26	171	54.03	
Strong Hope	590	16	2.33	11	2.49	11	5.70	10	2.47	3	3.3	17	5.58	17	6.98	21	9.39	19	15.27	...	10.92	16	12.90	23	7.58	183	87.21	
Exchange	...	17	2.23	9	2.24	14	5.92	8	2.21	5	5.6	16	5.51	21	6.94	26	8.65	18	22.48	...	8.85	16	10.42	18	6.40	180	83.52	
Chifton	...	18	2.23	19	2.41	16	6.80	14	3.30	9	4.1	18	4.29	23	6.90	24	7.97	16	21.81	...	10.97	18	14.84	24	7.78	203	91.54	
Totals																												
180 28.36 126 26.38 156 76.00 130 29.15 55 4.49 136 67.48 261 86.77 300 107.44 205 279.71 177 107.60 216 135.17 282 83.97 2,296 1,033.55																												
<b>St. James.</b>																												
Highlands.																												
Springhead	800	11	1.69	6	1.78	12	6.72	9	1.58	5	3.2	15	3.95	23	7.06	22	6.56	13	15.90	...	10.24	13	8.92	18	5.00	101	70.45	
Taunt-	684	12	2.00	6	1.60	13	5.91	10	3.7	6	3.1	16	5.01	23	7.16	21	6.12	16	15.38	...	9.55	13	7.97	20	5.16	177	65.52	
Sion Hill	618	7	1.58	6	2.01	11	5.94	8	1.33	4	2.7	12	3.31	15	7.02	21	5.77	15	21.20	...	10.92	13	10.92	15	5.16	147	77.82	
Totals																												
33 5.36 18 5.45 36 18.60 27 3.88 15 1.10 43 10.17 61 21.78 70 18.45 44 55.50 46 26.81 39 27.41 53 15.92 485 213.79																												
<b>St. James.</b>																												
Loxlands.																												
Blowers	...	12	1.58	10	3.02	12	6.71	9	2.23	2	3.0	14	4.19	17	6.12	23	7.31	18	32.50	...	6.83	16	11.31	18	6.14	104	88.86	
Westmoreland	332	7	1.57	6	1.99	18	4.50	2	1.28	3	1.0	10	2.42	17	4.87	20	5.01	15	29.50	...	6.80	13	7.06	18	4.12	145	59.82	
Carlton	130	14	1.63	7	1.66	11	5.82	2	1.78	1	2.0	17	4.39	20	6.03	29	7.17	21	29.74	...	6.65	17	8.19	19	4.57	122	66.41	
Porters	...	20	1.62	10	1.88	11	6.31	10	1.39	4	3.5	14	3.69	18	5.18	25	8.06	19	21.65	...	6.79	19	7.28	26	4.40	190	68.83	
Hole-Town Police Station	...	10	2.07	5	1.55	13	7.27	8	2.33	4	3.2	11	3.10	16	5.73	10	5.05	12	22.98	...	8.72	16	13.71	19	6.08	160	68.83	
Plum Tree	...	10	1.91	6	1.55	10	5.58	7	1.40	5	3.1	10	3.01	16	5.73	10	5.05	12	22.98	...	8.05	14	9.50	15	5.91	130	70.93	
Ayres Hill	...	13	1.91	6	1.55	10	5.58	7	1.40	5	3.1	10	3.01	16	5.73	10	5.05	12	22.98	...	8.05	14	9.50	15	5.91	130	70.93	
Sandy Lane	...	11	1.70	7	1.62	10	5.94	8	1.67	4	3.0	12	3.57	17	5.18	25	7.22	15	20.77	...	6.46	12	7.56	16	5.99	144	66.08	
Trents	...	11	1.74	8	1.37	11	4.31	7	1.41	9	3.0	13	3.43	18	5.82	21	6.28	18	31.02	...	6.97	17	8.34	23	4.50	147	70.16	
Prior Park	...	5	1.80	4	1.81	7	1.69	6	1.64	2	2.6	13	3.43	18	5.82	21	6.28	18	31.02	...	6.97	17	8.34	23	4.50	147	70.16	
Mount Standfast	198	118	16.91	79	19.86	127	60.69	82	18.62	34	3.08	118	42.52	190	61.43	243	72.69	181	207.43	...	81.52	167	98.79	219	53.46	1,748	709.17	
Totals																												
10.73 1.45 7.18 1.80 10.91 5.52 7.45 1.60 3.09 28 13.15 3.86 17.27 5.86 22.51 6.61 16.73 24.31 14.43 7.42 15.78 8.98 19.91 4.80 138.89 72.61																												
<b>V. District "E."</b>																												
St. Peter.																												
Highlands.																												
Nicholas Abbey	824	9	1.73	8	3.08	7	4.02	4	1.02	3	7.2	4	1.92	18	8.93	12	4.82	12	27.03	...	8.01	8	6.11	11	2.56	105	69.05	
Orange Hill	836	10	1.91	8	1.80	5	3.92	5	1.25	5	4.1	14	5.09	21	6.93	16	3.99	16	15.90	...	7.90	12	4.69	12	2.94	141	52.53	
Rock Hall	...	12	2.07	9	3.19	15	5.39	8	1.60	5	3.1	14	5.67	22	6.13	18	5.33	16	19.33	...	9.43	14	6.87	20	5.00	171	67.74	
Mangrove	...	9	1.88	6	2.19	12	6.17	9	1.95	8	2.8	11	3.17	18	7.13	13	7.15	14	27.70	...	10.97	13	7.80	15	5.32	143	89.63	
Black Bass	581	10	2.30	9	1.99	10	5.80	6	1.76	3	4.5	6	2.03	13	5.82	14	5.82	14	22.52	...	11	8.79	13	9.25	18	5.51	194	99.61
The Castle	700	10	1.97	9	2.03	10	4.36	7	1.16	2	3.0	13	2.99	22	6.91	19	4.26	17	17.70	...	8.40	12	4.30	21	8.76	156	58.20	
Preston Hall	...	21	2.38	9	2.77	11	4.93	7	1.56	5	2.8	6	2.58	16	5.78	17	6.41	18	25.68	...	9.30	21	8.16	17	3.97	137	74.53	
Porthead	...	11	2.33	7	2.94	11	4.63	7	1.18	5	7.0	11	2.73	21	5.68	18	5.08	15	23.83	...	8.23	14	5.70	16	8.58	150	66.63	
Totals																												
90 13.46 70 24.72 90 46.42 64 13.12 38 4.94 85 23.81 168 59.27 159 47.86 133 109.15 123 55.55 121 61.40 145 38.92 1,300 622.92																												
11:00 2.95 7.77 2.73 10.90 5.16 7.11 1.40 4.22 35 9.44 2.70 18.66 6.58 17.05 5.32 14.77 22.13 14.22 9.28 13.41 6.82 19.11 4.32 144.40 69.18																												

\* Rain Gauge overflooded on 10th.

**BARBADOS RAINFALL FROM JANUARY TO DECEMBER, 1898.**

Name of Station.	Elevation. Feet.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Totals.	
		Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.
<b>V. DISTRICT "E."</b>																											
St. Peter.																											
Lowlands.																											
Alleyrtaile	358	10	1.81	5	2.42	13	3.80	6	1.30	2	1.10	10	2.12	19	4.32	17	4.35	11	2.07	10	3.77	18	2.40	18	1.88	51	28.97
Bakers	380	8	1.87	7	1.87	13	4.41	6	1.75	2	1.10	10	2.91	15	5.51	16	4.69	11	2.07	10	7.99	8	0.87	18	4.27	124	68.25
Maynards	66	18	1.84	9	3.08	10	4.21	8	0.98	10	3.33	16	1.91	17	18.40	17	18.40	17	18.40	17	8.31	13	5.60	14	2.62	158	57.36
District E.	150	15	2.01	7	3.64	14	6.33	10	1.72	2	1.10	10	3.89	24	5.82	24	6.16	17	20.58	10	9.90	12	6.88	25	4.15	182	70.10
Ashton Hall	...	8	1.89	7	3.45	7	3.45	7	1.72	2	1.10	10	3.89	19	5.37	13	23.69	19	23.69	10	9.90	12	6.88	25	4.15	139	60.22
Six Mens	...	4	3.80	10	3.65	6	3.64	4	1.11	1	1.11	11	2.03	11	4.21	19	5.37	13	23.69	10	9.90	12	6.88	25	4.15	105	44.82
Heywoods	...	8	2.49	6	3.12	5	4.65	5	1.42	1	1.11	11	2.03	11	4.21	19	5.37	13	23.69	10	9.90	12	6.88	25	4.15	92	33.48
Gibbes	50	10	1.41	7	2.05	12	5.22	8	1.12	4	2.0	16	3.50	21	7.65	21	6.81	15	21.80	18	8.75	12	8.57	19	5.21	166	74.81
Mount Brevitor	...	14	1.84	9	2.99	10	4.95	7	1.03	3	2.22	18	4.52	18	4.52	13	4.95	11	17.60	11	6.98	11	6.63	11	5.25	128	59.43
...	...	95	15.25	67	26.90	77	42.52	55	11.12	21	2.71	91	25.51	160	46.59	162	44.69	111	161.45	89	60.11	82	51.72	126	30.83	1130	522.44
...	...	10-56	1.70	7-44	2.99	9-42	4.72	6-87	1.24	2-62	3-0	11.37	2-83	17.78	5-18	18.00	4-96	13-88	20-56	12-71	7-51	10-25	3-75	15-75	3-12	136-85	61-16
<b>St. Lucy.</b>																											
Lowlands.																											
Lamberts	350	19	1.45	11	1.29	11	3.67	10	0.92	5	3.3	12	2.17	23	5.38	18	2.97	19	20.80	10	7.63	12	3.66	19	3.55	175	60.02
Mount Gay	...	11	1.15	9	1.76	8	3.87	6	0.85	5	2.6	14	2.28	22	6.41	20	4.18	18	17.50	13	7.55	14	4.28	14	3.56	138	53.73
Pickering	71	9	1.05	8	1.14	10	3.08	6	0.52	4	3.3	10	2.57	21	5.07	20	3.14	19	17.50	13	7.63	15	4.12	12	3.90	148	55.25
Springhall	...	12	1.70	9	1.17	13	4.64	6	0.52	7	3.8	14	2.78	23	5.65	21	3.99	19	19.12	12	10.42	13	3.73	22	2.45	150	52.40
Hope	...	9	0.95	8	2.16	7	3.76	4	0.42	10	3.5	13	2.50	18	5.70	19	3.62	16	13.78	13	6.52	12	3.10	13	2.93	164	58.84
Checker Hall	181	11	1.14	10	2.38	8	4.66	7	0.42	5	2.8	19	2.18	26	6.19	18	3.24	18	17.30	14	8.06	14	3.33	19	3.14	169	53.33
Husbands	...	13	1.66	9	1.84	8	3.82	7	1.35	2	3.0	11	2.71	20	6.15	17	3.45	17	29.60	14	7.65	11	3.50	20	4.93	148	66.83
Collins	...	12	1.41	8	1.84	12	3.82	8	0.57	6	2.8	12	2.88	20	6.21	18	3.45	21	19.68	18	8.18	12	2.71	20	3.21	167	54.67
Friendship	...	5	3.2	6	1.60	5	3.81	4	0.51	3	3.6	10	2.45	20	5.34	17	3.65	16	31.53	14	9.99	9	3.68	13	3.38	124	65.59
Lowlands	...	109	11.76	87	18.56	86	41.06	65	7.30	41	6.42	128	25.90	212	60.45	181	33.67	183	209.26	147	80.91	125	34.53	175	36.75	1,539	566.29
...	...	10-90	1.18	8-70	1.86	8-60	4.11	6-50	0.73	4-55	7-1	12.80	2-50	21.20	6-01	8-37	8-37	18-60	20-63	14-70	8-09	12-30	3-45	17-50	3-68	151-05	56-71
<b>VI. DISTRICT "F."</b>																											
St. Joseph.																											
Highlands.																											
Buckden	1030	11	1.90	10	2.54	15	6.73	11	2.12	3	2.4	15	2.73	19	6.07	24	6.07	15	25.13	13	9.31	12	13.74	18	6.11	163	84.84
Little Island	910	14	1.73	11	3.03	15	6.28	13	2.54	6	3.4	17	3.35	25	6.32	21	6.04	17	25.72	13	8.23	19	12.17	20	7.46	199	72.13
Blackmans	960	15	1.88	12	2.76	13	6.49	13	2.78	7	3.1	15	3.68	26	7.36	23	6.04	19	25.09	12	8.35	17	11.85	20	7.52	206	81.25
Blackmans House	1079	10	1.70	10	2.84	14	6.24	7	2.08	4	4.6	19	2.71	19	6.02	23	6.20	16	19.42	10	7.40	14	11.36	17	4.69	238	90.30
Castle Grant	780	10	1.61	8	3.01	15	7.37	9	2.44	5	6.6	12	4.13	23	8.30	22	8.11	17	10.31	15	11.32	14	14.30	19	6.95	169	68.42
Andrews	1040	10	1.64	9	2.64	12	6.36	13	2.49	3	4.0	7	3.09	23	6.09	23	6.07	16	19.22	14	8.27	16	11.15	19	9.90	163	59.01
Lammings	...	15	2.19	11	2.06	17	7.15	10	2.80	7	7.6	11	4.81	25	8.73	24	9.04	18	21.52	16	10.47	21	13.11	27	8.27	208	79.48
Retreat	...	10	3.65	7	2.11	12	6.54	6	1.82	7	3.9	6	1.54	19	6.24	21	6.61	12	11.17	12	8.32	16	13.65	16	5.69	141	65.91
Saltram	...	113	18.00	93	24.83	131	60.78	97	22.70	50	4.52	118	29.89	205	65.13	214	61.65	152	173.73	141	81.48	151	119.67	190	59.62	1,655	721.19
...	...	12-56	2.91	10-33	2.76	14-56	6.75	10-78	2.52	5-56	3-0	13.11	3-32	22.78	7-21	23.78	7-12	16-80	19-30	15-67	9-03	16-78	13-26	21-10	6-29	183-90	80-12
Friezers	...	10	1.88	10	2.45	12	5.50	6	1.52	4	3.8	11	3.47	19	6.50	25	6.91	17	30.74	14	8.51	15	9.22	17	4.71	159	78.11
Melwones	...	10	1.14	7	1.06	13	4.87	7	1.08	2	3.2	13	2.12	21	1.33	23	1.96	17	18.14	11	8.25	15	7.08	11	3.97	173	68.11
Bissex Hill	723	15	2.18	7	1.06	12	7.30	7	1.08	2	3.2	13	2.12	21	1.33	23	1.96	17	18.14	11	8.25	15	7.08	11	3.97	173	68.11
District F.	966	15	1.28	8	1.88	18	5.31	10	1.92	5	2.3	11	1.93	20	3.78	23	2.96	18	11.87	17	6.52	12	5.71	11	2.71	172	61.38
Parks	...	17	0.97	9	2.62	11	5.31	5	1.32	4	4.3	12	3.42	19	4.31	23	4.44	21	31.88	16	7.53	16	7.23	19	7.85	175	53.90
Spa	...	11	3.17	7	2.11	11	5.67	11	2.97	3	3.9	12	3.44	19	4.84	23	4.44	18	21.69	10	6.83	16	7.23	19	7.85	175	53.90
Poster Hall	103	20	2.43	7	1.86	14	6.30	7	2.11	2	3.1	12	2.25	19	4.84	23	4.44	18	21.69	10	6.83	16	7.23	19	7.85	175	53.90
Joes River	421	11	2.06	9	2.13	13	6.36	7	1.32	4	3.1	11	3.91	16	5.71	23	6.81	16	24.82	10	7.92	9	9.27	19	3.72	139	74.67
...	...	99	15.11	67	15.57	105	44.48	59	10.61	30	2.88	88	22.19	144	41.73	175	40.75	137	179.62	118	61.29	87	33.80	116	33.82	1,225	521.65
...	...	12-37	1.80	8-37	1.95	13-12	5.56	7-37	1.33	3-75	3-1	11.00	2-77	18.00	5-22	21.88	5-09	17-13	22-15	11-75	7-06	12-13	7-40	11-50	4-23	151-67	66-18

\* Rain Gauge overflowed on 10th.

**BARBADOS RAINFALL FROM JANUARY TO DECEMBER, 1895.**

Name of Station.	Feet.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Totals.		
		Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	
V.L. District "F."		11	2.18	9	1.97	15	0.46	12	1.06	3	.88	14	2.01	30	5.50	22	0.36	16	10.86	10	8.80	14	9.03	21	5.25	176	70.91	
St. Andrew.		6	1.14	7	1.45	12	4.71	10	1.43	4	.42	10	2.70	22	5.03	22	0.20	16	15.02	14	8.03	13	6.94	16	4.61	152	60.60	
Highlands.		10	2.03	11	2.57	11	5.38	11	1.89	3	.22	10	2.81	19	7.06	23	0.71	18	25.12	17	8.93	17	10.22	22	6.12	180	78.70	
Grogg Farm		7	1.22	4	.92	11	5.59	9	1.01	6	.88	10	3.67	15	3.31	19	8.19	13	20.40	15	11.13	13	10.07	11	4.00	133	71.40	
Swans		11	1.44	8	1.90	11	4.00	5	.40	1	.13	8	2.28	17	4.85	14	4.16	13	21.41	10	7.63	19	6.13	15	2.08	121	58.51	
Spring Vale		11	1.41	5	1.28	12	5.16	8	1.30	3	.20	13	3.32	19	6.77	19	5.41	15	20.13	16	7.06	10	7.50	11	2.72	142	63.36	
Turners' Hall		62	9.63	44	10.18	72	31.90	55	8.49	20	2.18	65	17.59	112	34.82	122	30.33	90	127.07	91	51.72	76	50.08	96	25.08	305	405.07	
Cleland		10-33	1.40	7-33	1.09	12-00	5.32	9-17	1.41	3-33	.36	10-83	2.93	18-07	5.80	20-33	0.95	15-00	21.18	15-17	8.02	12-07	8-35	10-00	4-28	150-83	67.50	
Scitons		7	1.30	8	1.71	9	4.18	8	.28	4	.58	10	2.18	20	5.33	10	4.50	10	47.51	12	7.19	9	4.42	14	2.05	125	41.28	
St. Andrew.		5	.71	5	1.02	11	4.00	3	.70	..	..	5	2.08	14	5.33	15	5.13	12	19.04	9	5.94	8	6.04	12	3.72	103	55.55	
Lowlands.		12	1.88	7	2.02	10	4.54	6	.88	6	.61	12	2.86	18	5.90	18	6.07	15	23.03	18	9.00	11	6.00	13	1.00	147	67.41	
Morgan Lewis		24	3.89	20	4.75	30	13.32	12	1.92	10	1.22	31	7.70	52	16.50	52	15.70	38	50.17	39	22.73	28	16.16	20	9.77	375	161.19	
Haggatts		8-00	1.20	6-07	1.58	10-00	4.44	4-00	.04	5-00	.01	10-33	2.57	17-33	5.62	17-33	3.23	12-06	16.72	13-00	7.57	9-33	5-10	13-00	3-26	126-05	54.02	
Overhill																												

\* Rain Gauge overflowed on 10th.

THE SUMMARY OF BARBADOS RAINFALL FROM JANUARY TO DECEMBER, 1898.

Name of Station.	Number of Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Totals.	
		Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.
I. District "A." St. Michael (Lowlands.)	16	10-26	1-36	7-41	1-30	9-62	4-63	6-70	9-1	3-37	29	12-19	4-62	17-33	5-33	15-62	18-76	12-76	8-14	13-33	8-31	18-71	5-30	14-7-69	61-41		
II. District "B." Christ Church. (Lowlands.)	23	11-43	1-76	7-13	1-35	9-59	3-29	6-55	1-14	3-11	4-0	10-86	4-24	10-18	6-10	20-14	6-16	15-86	10-10	15-10	12-24	5-51	16-28	5-15	14-69	65-22	
b. St. George. (Highlands.)	10	13-10	2-40	8-30	2-18	11-40	6-03	9-06	2-34	3-00	3-8	11-78	4-44	17-78	6-33	22-25	6-93	16-00	22-22	12-56	9-02	11-79	19-41	7-88	15-71	82-59	
b. St. George. (Lowlands.)	9	12-11	1-76	7-33	1-43	1-14	4-78	7-33	1-38	4-55	1-4	11-90	4-49	18-00	6-07	22-11	6-69	16-00	10-00	14-00	8-28	14-33	7-45	16-00	6-03	14-86	67-90
III. District "C." a. St. Philip. (Highlands.)	3	12-50	1-60	7-50	1-33	14-50	4-41	9-50	1-59	6-00	4-7	14-00	3-12	23-00	5-64	23-50	7-35	18-00	16-18	16-00	9-39	17-50	9-32	18-50	6-00	18-50	66-49
a. St. Philip. (Lowlands.)	24	9-33	1-54	7-13	1-21	11-50	4-49	7-92	1-11	4-52	1-2	12-74	3-51	18-13	5-28	21-78	6-67	16-26	20-18	15-43	8-94	12-05	6-46	17-67	5-39	15-86	65-47
b. St. John. (Highlands.)	14	11-79	1-61	10-11	1-84	14-71	6-04	9-86	1-92	4-50	1-4	13-93	3-30	19-71	6-26	22-57	6-73	16-71	21-33	17-07	9-84	13-29	11-11	20-07	0-03	17-135	76-45
b. St. John. (Lowlands.)	4	9-00	1-18	9-00	1-11	14-50	4-29	8-50	8-5	5-00	1-0	12-75	2-70	15-25	4-76	18-75	4-06	16-50	18-19	14-00	7-97	10-25	6-73	16-75	4-70	15-0-25	57-81
IV. District "D." a. St. Thomas. (Highlands.)	10	15-70	2-21	10-80	2-32	14-56	6-50	12-41	2-80	6-44	1-1	15-50	4-16	21-78	7-62	21-55	8-47	17-80	24-23	15-89	8-19	17-75	13-17	25-33	7-92	19-63	89-12
a. St. Thomas. (Lowlands.)	13	14-31	2-19	9-69	2-03	12-00	5-91	10-16	2-24	4-23	3-4	15-08	5-20	20-08	6-67	23-08	8-26	17-08	23-31	14-73	8-97	16-61	11-94	21-69	6-44	17-0-06	83-50
b. St. James. (Highlands.)	3	11-90	1-79	6-00	1-82	12-00	6-20	9-00	1-29	5-00	3-7	14-33	3-40	20-33	7-26	23-33	6-15	14-06	18-52	15-33	9-94	13-00	9-14	17-06	5-31	161-64	71-28
b. St. James. (Lowlands.)	11	10-73	1-45	7-15	1-80	10-91	5-52	7-45	1-69	3-09	2-8	13-45	3-80	17-27	5-36	22-54	6-61	16-73	24-31	14-45	7-42	15-18	8-98	19-91	4-86	158-89	72-64
V. District "E." a. St. Peter. (Highlands.)	9	11-00	2-05	7-77	2-75	10-00	5-16	7-11	1-46	4-22	5-5	9-44	2-76	18-66	6-58	17-66	5-32	14-77	22-13	14-22	9-28	13-14	6-82	16-11	4-32	144-40	69-18
a. St. Peter. (Lowlands.)	9	10-56	1-70	7-44	2-99	9-62	4-72	6-87	1-24	2-62	3-0	11-37	2-33	17-78	5-18	18-00	4-96	13-88	20-56	12-71	7-51	10-25	5-75	15-75	3-42	136-65	61-16
b. St. Lucy. (Lowlands.)	10	10-90	1-18	8-70	1-86	8-60	4-11	6-50	7-3	4-55	7-1	12-80	2-50	21-20	6-01	18-10	3-37	18-06	20-93	14-70	8-09	12-56	3-45	17-50	3-68	154-05	56-71
VI. District "F." a. St. Joseph. (Highlands.)	9	12-56	2-01	10-33	2-76	14-56	6-75	10-78	2-52	5-56	5-0	13-11	3-32	22-78	7-24	23-78	7-12	16-80	19-30	15-67	0-05	10-78	18-26	21-10	6-29	183-90	80-12
a. St. Joseph. (Lowlands.)	8	12-37	1-89	8-37	1-95	13-12	5-56	7-37	1-33	3-75	3-4	11-00	2-77	18-00	5-22	21-88	5-06	17-13	22-45	14-75	7-66	12-43	7-69	14-50	4-23	154-07	66-18
b. St. Andrew. (Highlands.)	6	10-33	1-00	7-33	1-69	12-00	5-32	9-17	1-41	3-33	3-6	10-33	2-93	18-67	5-80	20-33	6-05	15-00	21-18	15-17	8-62	12-67	8-35	16-00	4-28	150-33	67-50
b. St. Andrew. (Lowlands.)	3	8-00	1-20	6-67	1-58	10-00	4-44	4-00	6-4	5-00	6-1	10-33	2-57	17-33	5-32	17-33	5-23	12-66	16-72	13-00	7-57	9-33	5-19	13-00	3-26	126-65	54-92
Totals	104	217-48	32-06	154-25	35-86	214-53	97-46	150-51	28-89	89-27	8-18	237-39	66-90	359-26	115-82	401-87	117-65	305-64	388-72	277-62	165-14	257-83	161-05	342-07	100-40	3007-72	1318-74
		11-45	1-72	8-12	1-88	11-29	5-13	8-24	1-52	4-38	4-3	12-50	3-52	18-91	6-10	21-15	6-10	10-09	20-46	14-61	8-69	13-57	8-48	18-00	5-29	153-31	69-41

**BARBADOS RAINFALL FROM JANUARY TO DECEMBER, 1899.**

Name of Station.	Elevation.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Totals.			
		Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.		
<b>I. District "A."</b>																													
St. Michael.	287	16	3.56	17	3.53	14	3.73	8	1.10	8	.58	19	4.55	21	5.72	19	4.34	15	3.46	14	5.69	16	4.64	11	4.00	169	40.87		
Lower Estate	132	15	2.97	12	1.97	12	2.79	6	1.28	10	1.28	14	4.92	17	4.89	17	1.85	15	7.39	13	4.37	19	4.82	13	3.85	168	50.235		
Brigade Hall	210	8	2.20	12	2.35	9	2.35	5	1.98	10	1.04	14	4.92	17	4.89	12	3.04	13	6.35	13	3.07	15	6.92	9	1.93	128	38.91		
Clapham	40	20	3.00	21	2.82	14	3.31	8	.91	7	1.13	16	5.81	28	5.32	21	4.78	16	6.73	17	4.90	23	8.60	13	2.23	200	50.24		
Government House	97	17	2.35	19	2.22	14	2.22	7	.74	7	.80	15	4.29	24	3.47	13	3.75	16	4.92	14	4.37	21	7.61	10	2.02	174	38.38		
District A.	10	19	2.38	16	2.35	8	1.96	7	1.10	8	1.38	10	4.87	25	3.35	19	3.77	17	6.93	12	6.19	19	7.15	11	2.49	178	44.30		
Central Police Station	110	18	2.40	20	2.01	12	1.97	7	.56	8	.46	17	4.56	21	3.39	17	4.07	17	3.53	17	6.72	21	6.72	11	2.54	189	34.99		
Bush Hall	228	15	2.33	15	2.80	8	2.30	3	.36	3	No Rain	12	2.91	21	3.13	13	3.13	14	2.90	15	3.07	16	7.06	12	3.17	146	33.50		
White Hall	70	19	1.63	21	3.05	14	3.98	6	1.22	7	.85	17	4.32	23	5.71	14	4.37	16	5.29	15	5.22	19	8.96	12	4.72	188	50.83		
Grazettes	...	17	2.72	19	2.81	13	2.19	6	.65	1	.19	12	4.75	23	3.82	16	3.13	17	3.53	14	2.53	19	7.34	11	2.29	168	37.69		
Daybells	...	14	2.78	17	2.29	9	2.16	3	.71	3	.42	10	4.45	22	3.78	13	3.97	15	1.38	12	3.65	16	8.97	10	2.44	142	39.28		
Waterford	...	23	3.12	27	2.58	10	2.31	2	.30	6	.44	14	2.65	19	4.39	8	3.19	11	2.37	14	3.21	17	7.39	11	4.50	137	39.72		
Queen's House	...	13	2.48	13	2.77	9	2.77	3	1.39	6	1.23	14	4.66	19	4.89	12	4.87	12	7.11	12	3.29	16	9.45	7	2.74	133	48.55		
Johnnans	...	17	3.38	19	3.07	15	2.63	8	1.20	7	1.21	14	4.48	21	5.35	19	3.97	17	6.87	14	1.65	20	7.96	13	2.61	182	48.10		
Lower Binney	...	12	2.38	16	3.00	11	3.02	4	.69	6	1.10	8	4.91	16	2.68	9	3.92	12	9.22	8	6.78	16	7.81	2	1.72	111	49.00		
Windsor Cot	...	18	3.07	23	2.96	16	3.25	6	.88	7	.85	16	4.11	23	3.47	15	3.96	11	1.97	14	6.29	17	6.16	15	3.58	184	42.85		
The Garden	...	251	46.94	271	42.63	185	42.71	89	14.11	102	11.36	228	71.13	331	60.77	231	65.33	238	81.29	217	71.71	299	125.97	171	46.84	2,604	688.56		
Warrens	...	15-68	2.89	16-94	2.66	11-56	2.97	5-36	.88	6-40	.80	14-25	4-41	20-69	4-14	14-31	1-08	11-87	3-07	13-36	4-18	18-12	7-87	10-69	2-93	162-76	43-00		
<b>II. District "B."</b>																													
Christ Church.	150	17	3.01	15	2.27	13	3.22	13	1.55	7	.82	17	4.67	22	4.71	16	3.12	17	3.88	18	5.02	21	6.50	15	5.01	184	44.68		
Woodbourne	220	14	3.70	7	2.53	6	3.19	3	.70	4	.94	13	5.28	19	4.01	13	3.92	12	2.86	11	4.30	16	6.77	9	4.22	131	41.71		
Lower Hills	251	20	1.91	17	2.62	11	2.73	7	1.30	5	1.04	20	3.25	25	4.08	20	1.35	19	3.38	15	4.50	19	8.51	11	5.30	181	42.33		
Seawall	183	13	3.67	11	1.92	7	3.19	4	1.40	4	1.70	11	4.39	15	5.38	11	1.60	8	2.94	12	6.40	16	3.11	15	8.10	12	4.02	148	44.71
Coventry	283	13	3.63	11	2.00	10	2.57	7	1.47	6	1.93	10	4.49	17	4.57	15	3.05	19	3.91	18	3.94	21	7.19	12	2.85	200	40.54		
Hennays	270	23	3.62	21	2.42	13	2.54	10	.88	11	1.22	21	4.21	24	4.21	19	2.51	21	5.24	16	4.27	18	6.92	12	2.78	203	42.62		
St. Ann's	155	13	3.31	15	2.72	12	2.48	6	.70	6	.78	13	4.53	23	4.03	14	1.69	13	4.09	12	3.31	17	8.09	9	2.88	132	46.14		
Gibbons	267	10	4.00	14	3.15	13	2.63	6	1.01	6	1.46	14	5.44	16	3.12	13	3.78	13	5.07	12	3.38	18	10.02	8	2.55	152	50.91		
Lower Greys	20	21	2.70	13	2.68	12	2.62	7	.73	7	1.07	14	4.36	10	3.19	13	1.79	19	4.27	11	5.34	20	7.33	8	1.82	161	37.33		
Newton	363	11	3.03	8	2.04	8	2.06	3	.60	3	1.27	12	3.47	13	3.74	13	3.15	16	4.16	11	5.12	11	6.70	8	3.88	122	39.22		
Manxville	169	13	3.02	13	3.03	12	2.81	9	1.92	7	1.06	16	4.47	10	4.73	12	2.81	13	3.40	12	3.25	17	9.02	12	2.98	154	44.34		
Durans	...	13	2.28	9	2.54	10	2.74	10	.78	6	.56	14	4.73	10	4.73	10	2.34	13	3.14	11	3.80	10	7.78	15	6.77	150	49.60		
Penley	...	15	2.53	9	2.85	9	3.11	7	2.21	5	1.73	11	3.13	8	2.62	6	2.34	13	3.14	11	3.80	10	9.37	6	1.92	111	37.56		
Maynards	...	10	3.13	15	2.39	14	2.51	7	.82	7	1.22	15	4.33	18	3.97	11	2.05	18	5.89	11	3.44	18	5.41	12	1.47	115	34.48		
St. Ann's	...	16	2.60	15	2.48	8	2.10	4	1.44	7	1.22	16	4.01	12	3.97	12	3.73	12	3.66	13	3.02	17	8.00	6	2.07	138	38.98		
Hoop	...	16	2.47	19	2.21	14	1.56	10	.70	9	.80	17	4.01	21	3.81	15	3.16	13	4.03	11	2.22	21	7.38	6	2.20	174	34.02		
Little	...	18	3.86	8	1.87	8	1.92	4	.64	2	.83	9	2.86	16	3.43	13	2.97	17	3.40	16	3.65	11	6.91	12	3.02	136	34.76		
Idenworth, Hastings	885	78-91	280	55-30	226	53-94	101	19-70	137	22-35	312	92-07	373	87-41	297	77-54	317	83-19	271	84-76	356	153-58	210	67-80	3,232	875-80			
Pilgrims Place	15-95	3-48	13-81	2-61	2-97	5-98	9-4	6-32	1-06	1-86	4-88	17-76	4-16	14-11	3-60	15-09	3-96	12-90	1-94	19-95	7-55	10-50	3-30	151-38	41-86				
<b>St. George's Highlands.</b>																													
Leisure Arbor	720	5	2-20	4	2-00	5	2-23	1	.80	1	1-00	11	5-28	6	3-85	8	5-02	10	3-61	10	4-62	13	7-22	10	9-02	84	47-54		
Asbury	...	16	3-60	10	1-75	18	3-67	8	1-68	6	.57	16	5-14	24	3-73	22	4-82	20	6-53	17	4-49	21	8-04	18	9-22	194	54-18		
Goddard	720	15	4-81	17	4-46	15	4-50	10	1-26	7	1-08	19	5-25	22	6-87	13	4-61	16	4-19	16	4-36	20	8-33	20	6-73	200	58-82		
Groves	747	20	5-08	21	4-52	16	4-90	10	1-40	7	.97	19	6-27	21	5-49	13	7-49	19	4-43	21	4-36	23	8-85	22	7-75	217	61-60		

**BARBADOS RAINFALL FROM JANUARY TO DECEMBER, 1886.**

Name of Station.	Elevation. Feet.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Totals.					
		Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.				
<b>II. DISTRICT "B."</b>																															
St. George.																															
Highlands (Contd.)																															
Moonshine	587	15	3.84	18	3.17	14	4.02	5	1.04	81	14	3.87	10	4.55	18	6.22	10	2.58	13	5.80	15	7.81	16	6.83	162	50.73	61.63	217	49.41		
Golden Ridge	877	20	4.66	18	3.24	17	4.79	8	1.30	7	7.76	19	6.51	23	5.97	20	6.05	20	4.88	26	4.23	23	8.30	22	9.64	189	57.56	281.7	49.17		
Woodland		17	3.08	19	3.31	14	2.91	6	1.10	7	7.76	10	6.93	23	4.00	15	4.90	18	3.66	17	5.80	18	7.31	18	8.22	69	28.17	183	47.09		
Fair View		18	4.53	14	4.51	9	4.28	4	1.86	1	1.22	10	3.88	18	6.19	11	4.80	15	3.62	14	5.55	14	7.64	13	9.36	133	47.09	183	47.09		
Newbury		14	4.68	14	4.59	9	4.96	3	1.76	3	7.10	10	3.88	18	6.19	11	4.80	15	3.62	14	5.55	14	7.64	13	9.36	133	47.09	183	47.09		
Harmony Cot.		14	2.49	12	4.27	12	4.12	3	1.00	6	1.72	15	4.41	18	5.75	11	4.80	15	3.62	14	5.55	14	7.64	13	9.36	133	47.09	183	47.09		
Prerogative		151	40.06	142	41.51	120	39.87	56	12.05	49	9.92	139	48.92	156	45.70	125	52.21	128	38.08	126	44.10	148	71.09	139	75.40	1,465	510.73	1,465	510.73		
		15-40	4.00	15-78	4.15	13-33	3.98	6-22	1.20	5-41	9.0	15.44	4-80	19.50	5-08	15.62	5-80	16.00	4-01	15.75	4-91	18.50	7-00	17.37	8-38	174.85	58.26	174.85	58.26		
<b>St. George.</b>																															
Lowlands.																															
District B		17	3.31	16	2.89	12	2.29	6	.84	7	9.0	13	4.63	19	5.84	15	5.00	14	5.73	11	4.80	19	10.28	14	4.62	103	21.28	154	59.42		
Carmichael	194	13	3.58	16	3.88	10	3.07	4	.96	3	3.5	13	5.04	19	5.12	15	5.00	14	5.73	11	4.80	19	10.28	14	4.62	103	21.28	154	59.42		
Constant		15	3.98	19	3.97	9	3.31	5	1.33	6	5.6	17	5.57	24	5.57	21	4.35	19	3.06	16	5.26	24	8.69	17	7.02	192	54.84	244	64.34		
Brighton		18	3.68	10	3.16	9	3.53	4	1.45	6	4.8	13	5.31	16	5.31	17	5.41	16	4.06	15	5.47	18	11.69	14	4.39	142	53.17	142	53.17		
Valley	162	20	3.78	20	3.08	16	3.89	6	.80	10	1.6	18	4.52	21	3.14	17	5.31	16	4.06	15	5.47	21	8.15	18	6.58	205	54.78	205	54.78		
Windsor		9	2.93	16	2.66	9	3.70	5	.82	2	2.0	12	4.72	21	3.14	17	5.31	16	4.06	15	5.47	21	8.15	18	6.58	205	54.78	205	54.78		
Salters		18	3.96	19	3.78	12	3.81	5	.95	5	3.5	18	4.99	27	5.31	18	6.32	21	3.28	16	7.79	20	7.65	19	8.17	198	57.06	198	57.06		
Frenches		14	3.78	14	3.78	14	3.78	14	3.78	14	3.78	14	3.78	14	3.78	14	3.78	14	3.78	14	3.78	14	3.78	14	3.78	14	3.78	14	3.78	14	3.78
Byde Mill		105	24.92	116	24.02	77	23.40	35	7.15	39	4.12	104	35.21	148	36.60	92	33.41	98	21.93	91	33.36	114	54.85	102	37.92	1,121	339.80	1,121	339.80		
		15-00	3.56	16-57	3.43	11-00	3.34	5-00	1.02	5-57	5.86	14-86	5.03	21.11	5-23	15.38	5-57	16.33	4-15	13.16	5-56	19.00	9-11	11.37	5-41	169.53	57.23	169.53	57.23		
<b>III. District "C."</b>																															
(a) St. Philip.																															
Highlands.																															
District C	505	18	3.50	19	3.87	13	2.57	6	1.26	8	8.3	17	3.73	25	3.94	16	4.70	18	3.32	17	7.88	19	7.21	17	9.17	191	50.91	191	50.91		
Cliffden	507	10	2.94	22	3.41	17	2.98	5	1.34	9	1.00	15	4.29	24	4.30	16	4.44	20	3.51	18	7.55	19	7.05	15	9.05	190	52.29	190	52.29		
Hill View		14	3.43	17	3.36	8	2.88	5	1.24	4	6.5	17	3.10	20	4.73	15	5.30	11	3.08	13	6.70	19	6.96	15	8.32	127	34.70	127	34.70		
Mount Pleasant		42	12.88	58	13.13	38	10.91	16	4.60	21	8.11	49	15.68	67	15.10	47	18.86	52	11.17	48	28.12	38	21.25	32	26.51	508	184.11	508	184.11		
		14-00	3.22	19-33	3.28	12-66	2.65	5-33	1.15	7-00	7.7	16.33	3-92	22.33	8-70	15.96	4-71	17.33	3-51	16.00	7-03	19-00	7-08	16-00	8-51	180.97	49.98	180.97	49.98		
<b>(a) St. Philip.</b>																															
Lowlands.																															
Bayleys	128	6	1.89	9	2.14	5	1.85	2	1.07	3	5.6	14	3.86	18	2.50	12	3.95	12	2.89	12	3.22	19	3.55	12	9.31	124	38.72	124	38.72		
Mapps	150	18	2.23	19	2.26	16	2.21	6	1.68	8	3.3	15	3.02	27	2.84	17	3.70	14	3.25	16	2.76	21	4.09	17	8.51	197	39.28	197	39.28		
Golden Grove	113	18	2.35	17	2.61	13	2.80	5	1.16	2	4.9	15	3.35	20	2.51	13	2.65	11	3.39	12	3.06	19	5.29	11	6.09	150	35.50	150	35.50		
Rosetown	121	9	1.93	10	2.31	8	2.11	3	1.10	4	6.2	12	2.81	13	2.40	12	3.35	11	3.23	11	3.48	16	5.73	15	8.31	140	39.67	140	39.67		
Wiltshires	185	16	2.17	10	2.15	10	2.26	4	1.10	5	6.2	12	2.81	14	2.62	14	4.08	12	3.41	11	3.48	16	5.73	15	8.31	140	39.67	140	39.67		
Three Houses	125	11	2.83	16	3.15	16	2.65	5	1.37	9	1.11	13	4.15	17	4.18	11	2.67	15	3.21	11	4.11	16	4.07	14	6.48	157	40.91	157	40.91		
Sandy Hill	74	17	2.22	13	2.29	12	2.50	4	1.52	7	4.2	16	3.49	20	3.28	17	4.32	15	3.12	13	3.92	16	6.91	15	8.77	163	41.10	163	41.10		
Kirtou	150	16	2.63	12	2.52	9	2.85	7	1.22	6	4.6	12	3.70	23	2.92	10	3.81	15	3.17	14	3.69	18	6.13	14	10.56	171	45.17	171	45.17		
Fortescue	243	16	2.68	18	3.06	11	2.67	5	1.63	6	7.4	15	3.70	23	3.50	13	3.96	14	3.59	14	3.59	18	6.13	14	10.56	171	45.17	171	45.17		
Thicket	161	16	2.90	16	2.88	13	3.97	4	1.12	11	7.9	14	4.48	16	3.25	16	4.38	16	3.25	16	4.38	15	5.61	12	7.62	166	44.60	166	44.60		
Bushy Park	119	18	2.90	16	2.96	12	3.33	3	.83	10	1.01	13	5.09	13	4.04	12	5.48	16	3.25	16	4.38	15	5.61	12	7.62	166	44.60	166	44.60		
Congo Road	165	10	2.94	15	2.79	12	2.50	4	1.00	5	8.8	16	3.92	18	3.69	13	5.17	13	2.90	16	5.03	16	7.22	16	11.47	138	41.94	138	41.94		
Senhouse Grove	201	14	3.17	15	2.79	12	2.88	6	1.48	10	1.5	17	3.54	18	3.42	14	4.65	18	2.90	16	5.03	16	7.22	16	11.47	138	41.94	138	41.94		
Oughterson	210	19	2.94	22	3.16	12	2.88	6	1.48	10	1.5	17	3.54	18	3.42	14	4.65	18	2.90	16	5.03	16	7.22	16	11.47	138	41.94	138	41.94		
Dodd's	168	15	2.94	15	3.17	10	3.95	5	1.06	8	1.20	17	4.35	22	4.00	14	4.65	16	2.94	16	5.06	17	6.08	14	6.88	155	40.74	155	40.74		
Sunbury	108	17	3.70	18	3.76	12	3.30	5	1.06	7	7.1	17	5.17	22	4.00	14	4.65	16	2.94	16	5.06	17	6.08	14	6.88	155	40.74	155	40.74		
Hampton	110	17	3.70	18	3.76	12	3.30	5	1.06	7	7.1	17	5.17	22	4.00	14	4.65	16	2.94	16	5.06	17	6.08	14	6.88	155	40.74	155	40.74		
Carringtons	110	17	3.70	18	3.76	12	3.30	5	1.06	7	7.1	17	5.17	22	4.00	14	4.65	16	2.94	16	5.06	17	6.08	14	6.88	155	40.74	155	40.74		

**BARBADOS RAINFALL FROM JANUARY TO DECEMBER, 1899.**

Name of Station.	Feet.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Totals.	
		Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.
<b>III. DISTRICT "C."</b>																											
<i>(a) St. Philip.</i>																											
<i>Leeward.</i>																											
Chapel	288	17	8.13	21	3.06	16	8.13	6	.65	10	1.05	18	4.41	25	4.32	18	5.58	20	3.21	20	8.19	22	6.71	19	10.12	212	58.62
Halton	204	20	3.25	23	3.37	15	2.90	0	.72	8	.88	18	4.51	20	3.25	17	3.35	22	3.21	19	7.36	20	8.90	17	8.56	210	51.06
Edgewood	207	15	3.58	16	3.46	12	3.52	4	.90	8	.90	16	4.00	16	3.67	16	3.51	17	3.00	15	7.30	22	7.30	17	8.37	170	51.47
Northmore	...	12	2.58	16	2.97	...	...	0	.71	3	.66	13	3.32	22	3.08	13	4.65	14	2.67	13	6.98	16	10.26	18	6.40	150	46.75
St. Ann's	...	284	51.66	206	58.77	225	53.11	98	17.50	120	15.13	283	74.99	341	61.25	204	79.21	275	54.20	260	91.74	323	116.01	275	147.93	804.41	809.09
Marsfield	14.95	2.72	15.58	2.83	11.81	2.80	4.90	.92	6.79	.79	11.89	3.94	19.11	3.35	14.67	4.40	15.17	3.01	15.30	5.30	6.11	15.28	8.22	106.42	44.48	...	...
<i>(b) St. John.</i>																											
<i>Highland.</i>																											
Monteriffe	552	18	2.47	16	3.08	12	2.48	5	1.17	4	.58	14	3.34	15	2.98	13	3.17	14	3.49	15	7.88	18	6.78	14	8.17	161	45.24
Society	570	14	2.51	15	3.87	12	2.97	4	1.76	6	.53	16	4.37	22	4.23	15	3.10	15	3.67	15	7.31	20	8.90	16	8.64	170	54.90
Guinea	538	17	2.60	18	4.31	13	3.30	9	1.59	3	.31	14	3.67	23	3.30	14	4.78	16	4.14	16	6.73	18	8.26	17	8.99	179	52.92
Cliff	584	17	3.68	18	4.31	14	3.30	7	1.37	10	.96	17	4.08	23	3.23	18	4.78	19	4.08	19	6.82	20	7.73	17	8.68	191	51.91
Collon	767	14	3.30	15	3.92	11	3.47	6	1.22	7	.45	17	4.39	23	3.23	14	5.42	11	3.86	12	6.82	17	7.50	17	8.71	153	51.21
Ashton	608	14	3.30	19	4.03	14	3.47	6	1.22	7	.45	17	4.39	23	3.23	14	5.42	11	3.86	12	6.82	17	7.50	17	8.71	153	51.21
Peel	718	17	3.60	20	3.82	15	3.58	8	1.44	7	.95	13	4.42	24	4.39	13	6.01	16	4.80	12	6.17	20	8.20	19	8.67	191	56.66
Healey	533	19	4.63	21	5.31	14	4.21	9	1.60	7	1.02	17	4.42	24	4.39	13	6.01	16	4.80	12	6.17	20	8.20	20	8.77	198	55.07
Todd	742	11	2.75	16	3.92	11	4.37	6	1.35	10	.93	17	5.22	17	4.21	16	5.18	17	4.41	15	6.00	18	7.09	18	10.33	193	60.87
Botheral	707	12	2.47	18	2.56	13	2.40	0	1.48	11	.20	18	3.18	23	3.71	20	4.78	17	4.36	16	5.71	17	6.98	18	8.83	185	45.14
Hearnfield	900	16	2.34	16	3.56	16	5.08	7	1.48	11	.20	18	3.18	23	3.71	18	5.28	20	5.03	16	6.80	19	7.30	21	8.38	186	54.00
Malvern	544	18	3.38	21	4.67	13	3.53	7	1.60	9	.68	16	3.70	14	3.92	18	4.36	18	3.53	13	5.29	18	7.06	17	9.10	175	53.38
Kenald	750	15	3.41	17	3.35	14	4.33	8	1.68	5	1.93	16	3.20	16	4.37	13	5.16	16	3.47	17	4.69	18	6.71	17	8.59	197	52.83
Claybury	...	10	3.33	17	3.14	14	3.38	5	1.10	11	.65	19	4.18	21	4.07	17	4.20	19	3.90	15	6.41	19	6.57	15	7.41	191	48.67
Haynes Hill	224	17.39	284	30.10	186	52.82	90	17.75	102	10.58	213	61.17	205	37.90	225	71.98	233	58.92	212	60.37	260	104.87	242	122.82	2516	746.37	
...	16.00	3.38	18.00	3.83	13.20	3.77	6.92	1.36	7.20	.75	15.21	4.37	21.67	4.14	16.64	5.14	16.64	4.19	13.14	6.45	18.51	18.51	7.49	17.28	8.77	131.48	59.66
<i>(b) St. John.</i>																											
<i>Leeward.</i>																											
Codrington College	...	15	3.09	18	2.44	13	3.27	6	.82	7	.44	11	2.72	12	4.92	6	3.12	8	3.13	15	4.60	18	5.53	18	7.90	147	41.08
College	...	0	1.42	6	1.90	9	1.46	4	2.34	2	.19	13	1.96	0	2.91	11	2.11	12	2.44	12	2.78	15	3.40	12	5.56	114	21.97
Newcastle	288	20	2.18	16	1.99	12	3.03	7	.92	8	.80	13	4.07	18	3.58	10	4.33	20	4.18	10	8.47	25	5.20	20	6.16	202	45.68
Bath	...	14	2.29	15	2.19	13	3.10	4	.68	7	.51	16	3.10	20	3.52	15	3.50	13	3.15	15	4.90	19	3.71	15	5.70	166	38.53
...	58	8.68	55	7.52	47	10.92	21	2.66	24	2.00	58	12.45	59	13.13	51	13.14	58	12.90	61	20.81	77	20.43	65	25.32	620	150.20	
...	14.50	2.24	13.75	1.88	11.75	2.78	5.25	.66	6.00	.50	14.50	3.11	14.75	3.28	13.25	3.22	13.25	3.22	13.25	5.20	19.25	5.11	16.25	6.33	137.25	37.54	
<i>(c) St. Thomas.</i>																											
<i>Highland.</i>																											
Mount Wilton	987	14	2.97	20	6.38	15	5.58	14	2.83	6	.76	19	4.98	21	4.91	16	5.65	17	5.85	20	5.03	20	9.38	20	9.38	197	63.68
Bloombury	1,035	19	2.95	26	6.26	18	5.95	9	2.04	11	.92	21	6.21	26	5.87	22	9.29	21	5.86	18	6.91	23	9.75	23	9.65	230	72.02
Sturges	905	28	1.00	24	6.35	17	5.41	0	2.03	0	.86	20	6.12	20	5.71	20	8.19	21	5.86	16	8.20	22	10.70	21	8.25	230	69.85
Westwood	1,002	20	4.82	25	7.66	15	5.66	8	1.83	5	.82	16	5.92	25	6.31	17	6.84	17	6.65	16	5.98	19	7.14	19	11.70	203	71.21
Lion Castle	900	21	4.06	22	6.17	20	4.98	8	1.45	8	.80	19	5.72	23	3.90	22	7.37	23	5.90	18	6.78	21	12.10	21	7.15	225	67.18
Canefield	1,024	21	4.65	26	6.12	19	6.04	6	1.75	12	.90	17	5.85	28	5.09	20	7.47	20	4.62	19	7.06	16	10.54	18	7.01	220	67.00
Dunscombe	850	14	3.34	15	5.95	16	6.05	3	1.35	7	.77	17	6.01	20	5.74	18	8.53	20	5.85	22	7.20	16	11.63	18	8.15	220	72.10
Farmers	903	14	3.52	15	5.75	16	6.37	3	1.04	5	.95	17	6.57	17	5.67	13	6.89	18	5.31	22	7.20	16	11.83	17	7.06	177	68.66
Dukes	678	19	4.43	25	6.07	16	4.33	0	1.45	10	1.11	18	5.80	21	5.76	21	6.06	18	5.00	20	5.51	22	9.45	15	6.55	216	61.52
District D	678	19	4.24	24	6.77	17	6.14	6	1.48	6	.77	18	5.61	27	6.19	24	6.63	23	5.11	20	6.58	23	10.30	19	6.41	328	65.48
Lewis	692	17	3.64	24	5.95	20	6.05	6	1.35	6	.77	18	6.61	20	5.74	21	8.52	17	5.85	16	8.14	18	11.63	17	8.15	199	71.90

**BARBADOS RAINFALL FROM JANUARY TO DECEMBER, 1899.**

Name of Station.	Elevation. Feet.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Totals.		
		Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	
IV. DISTRICT "D." (a) St. Thomas, Highlands. (Contd.) Ashford Vaucluse	...	188	43.12	231	69.43	173	62.26	70	18.90	71	8.40	184	60.00	233	62.00	196	81.50	192	61.22	187	73.54	207	114.54	190	90.09	2.131	750.85	
(a) St. THOMAS, Lowlands. Fisherspond Bushy Park Olive Branch Hopewell Edgehill Welches Bennetts Grand View Mangrove Pond Strong Hope Exchange Clifton Selhams	725 700 680 534 453 398 350 ...	14 ...	2.34 ...	16 27 25 3 14 18 19 15 19 19 11 17	3.40 6.20 4.18 1.97 2.85 3.86 2.43 2.48 4.26 4.32 3.88 3.71 4.42	16 13 16 20 14 15 20 14 24 16 18 16 ...	5.46 5.50 4.72 4.13 2.83 4.31 2.75 4.71 4.71 3.60 4.18 3.40 ...	4 4 10 1 3 4 ...	-.72 1.75 1.94 -.43 -.56 -.88 ...	65 7 7 13 2 5 ...	10 7 9 18 5 10 ...	1.07 1.07 1.75 1.07 1.20 1.02 ...	19 17 21 18 18 16 ...	4.59 6.78 7.08 4.83 4.00 3.70 ...	22 22 26 26 20 22 ...	4.84 5.96 6.28 5.15 5.23 5.50 ...	17 19 16 26 13 19 ...	4.79 7.15 6.89 6.33 8.65 3.16 5.55 ...	15 14 14 23 15 13 ...	4.90 6.05 5.83 4.44 2.76 2.70 ...	14 11 15 13 13 10 ...	8.04 3.55 3.45 3.62 4.76 5.28 ...	20 21 26 25 11 14 ...	9.13 10.71 10.93 7.73 6.95 8.00 ...	19 16 19 22 14 19 ...	6.66 8.85 8.53 5.96 4.07 1.50 ...	186 160 220 530 110 154 ...	47.78 63.60 68.86 53.00 38.35 42.14 ...
(b) St. JAMES, Highlands. Springhead Talks Ston Hill	860 684 618	14 16 9	8.10 3.16 2.36	17 19 16	5.84 5.22 5.52	17 16 13	6.05 5.15 4.06	2 5 2	-.57 -.99 -.30	3 10 3	-.52 -.78 -.55	13 16 16	5.03 4.80 5.16	13 20 19	4.87 4.47 3.99	10 14 13	5.88 5.31 5.13	15 18 16	5.40 5.22 5.27	17 20 17	6.88 5.49 6.21	16 18 18	10.00 9.43 9.33	18 17 15	5.84 5.06 4.43	155 180 157	59.98 53.17 53.11	
(b) St. JAMES, Lowlands. Blowers Westmoreland Carlton Porters Hole Town Police Station Plum Tree Ayles Hill Sandy Lane Trents Prior Park Mount Standfast Husbands	...	16 12 13 20 22 ...	4.42 1.70 2.32 2.73 3.15 ...	23 15 14 25 25 ...	5.90 3.07 4.58 3.59 3.92 ...	19 18 10 21 18 ...	5.28 4.34 3.79 3.96 3.94 ...	4 4 4 5 8 ...	1.26 -.48 1.07 -.47 -.77 ...	3 4 4 7 5 ...	-.50 -.37 -.85 -.51 -.56 ...	16 18 17 18 17 ...	5.71 4.45 5.25 4.86 4.41 ...	21 20 16 24 24 ...	5.38 3.83 3.32 4.30 4.32 ...	16 15 9 21 20 ...	4.75 4.85 4.22 4.91 4.31 ...	17 17 14 16 16 ...	2.72 4.81 5.22 2.53 3.13 ...	17 16 15 20 19 ...	5.72 3.70 4.56 4.88 8.71 ...	19 16 12 17 18 ...	7.56 7.03 7.93 8.71 7.82 ...	14 14 15 20 15 ...	5.01 3.10 3.91 4.37 2.17 ...	128 177 151 175 174 ...	47.13 41.36 47.65 41.00 41.21 ...	
V. DISTRICT "E." (a) St. Peter, Highlands. Nicholas Abbey Oxford Orange Hill	824 836	8 12 12 14	2.40 2.20 2.20 4.95	12 12 12 22	6.11 3.15 6.74	10 9 15 5.49	3.02 1.80 1.85	3 3 3 8	1.17 1.25 1.17	4 7 9	-.47 -.65 1.07	12 13 16	6.24 4.70 5.85	16 14 22	6.91 4.42 4.59	9 9 14	2.68 1.75 3.94	10 12 16	4.24 4.20 4.85	15 16 18	10.66 7.79 10.63	15 14 17	9.01 4.07 7.32	17 18 18	8.09 5.18 5.88	131 139 181	61.80 41.56 41.56	

**BARBADOS RAINFALL FROM JANUARY TO DECEMBER, 1889.**

Name of Station.	Elevation. Feet.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Totals.	
		Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.
<b>V. DISTRICT "E."</b>																											
<i>(a) St. Peter.</i>																											
<i>Highlands. (Contd.)</i>																											
Rock Hall	581	13	4.57	16	6.27	14	6.94	1	.22	5	1.22	11	5.82	18	5.29	13	5.87	12	4.96	15	7.62	16	10.34	17	5.57	151	64.20
Mangrove	700	13	3.75	18	5.47	14	5.57	2	.72	5	.97	15	5.86	22	5.17	11	5.04	15	4.78	16	7.53	16	10.24	13	4.35	160	59.65
Black Bass	...	12	2.72	16	4.47	13	4.44	1	.82	4	.74	12	6.18	17	3.68	8	4.18	15	4.59	11	6.91	18	6.76	14	3.46	141	51.20
The Castle	...	15	2.07	13	3.60	12	2.47	3	1.40	6	.97	15	6.18	18	3.41	11	3.24	13	3.47	17	7.40	18	6.43	18	7.00	162	51.63
Pleasant Hall	...	18	4.83	17	5.56	20	6.66	5	1.44	8	1.18	16	7.46	18	5.88	17	3.16	17	3.50	19	9.09	17	6.56	16	3.93	191	58.45
Portland	...	18	3.66	17	3.96	17	3.92	5	1.08	8	.73	16	6.69	18	5.57	14	3.10	12	4.65	17	9.88	12	3.95	17	6.12	171	52.71
Totals	...	123	31.75	143	45.42	124	40.01	28	9.27	60	8.91	126	53.13	163	46.92	106	32.06	122	39.94	144	77.21	143	69.48	148	50.18	1,430	504.28
<b>(c) St. Peter.</b>																											
<i>Lowlands.</i>																											
Alleyndale	353	8	2.62	12	4.22	10	2.98	2	1.16	4	1.11	13	5.06	5	5.34	10	2.39	11	4.11	9	7.23	10	4.97	10	4.90	104	30.64
Bakers	380	13	2.99	13	3.90	16	4.55	6	1.41	7	.78	14	5.49	18	4.60	15	2.39	16	3.39	18	7.57	14	5.07	14	2.41	166	45.02
Maynards	60	17	3.42	13	3.90	17	5.94	4	.93	6	.94	17	5.71	21	4.90	12	4.21	17	5.75	19	9.48	18	7.43	29	4.20	180	57.18
District F.	150	18	3.56	17	5.09	17	5.34	4	.93	6	.94	17	5.71	21	4.90	12	4.21	17	5.75	19	9.48	18	7.43	29	4.20	180	57.18
Ashton Hall	...	11	3.56	17	5.09	17	5.34	4	.93	6	.94	17	5.71	21	4.90	12	4.21	17	5.75	19	9.48	18	7.43	29	4.20	180	57.18
Six Mens	...	11	3.56	17	5.09	17	5.34	4	.93	6	.94	17	5.71	21	4.90	12	4.21	17	5.75	19	9.48	18	7.43	29	4.20	180	57.18
Heywoods	...	8	2.54	9	3.15	11	3.48	6	1.31	7	.99	11	6.32	13	5.98	12	2.22	11	2.80	13	7.27	11	6.16	12	3.93	127	46.57
Griggs	...	8	2.54	9	3.15	11	3.48	6	1.31	7	.99	11	6.32	13	5.98	12	2.22	11	2.80	13	7.27	11	6.16	12	3.93	127	46.57
Mount Breivitor	50	18	3.35	21	5.47	17	4.72	2	.68	5	.93	15	5.90	18	3.49	13	5.17	18	4.90	12	4.00	12	5.09	12	5.09	110	43.15
Totals	...	10	3.07	12	3.56	11	4.16	4	.93	3	.60	10	4.44	16	4.17	10	3.06	11	3.36	12	7.31	13	5.48	12	3.28	124	43.17
<b>(b) St. Lucy.</b>																											
<i>Lowlands.</i>																											
Lamberts	350	16	2.14	22	3.36	15	1.75	8	1.60	6	.58	17	5.02	21	3.30	16	3.15	16	3.11	19	7.15	20	5.89	20	7.25	196	44.28
Mount Gay	...	11	2.85	12	3.16	9	1.25	4	1.91	4	.45	14	6.20	17	4.13	8	2.31	15	3.53	13	9.28	13	4.27	12	5.56	134	43.90
Pickering	...	13	1.24	18	1.83	9	1.13	3	1.74	4	.56	12	4.43	15	3.66	12	3.69	11	1.99	14	5.80	15	4.39	13	6.67	133	37.60
Springhall	...	71	1.12	18	3.55	9	.87	3	1.31	6	.84	14	5.13	22	3.60	15	4.00	13	3.87	14	4.00	18	6.10	11	7.80	158	43.85
Hope	...	12	2.43	13	2.87	16	1.92	3	.98	7	.84	15	4.51	17	3.81	15	2.37	14	3.52	14	5.47	17	4.92	14	4.50	152	38.23
Checker Hall	...	184	2.62	21	3.62	13	1.72	5	2.06	6	.94	16	5.73	18	4.28	17	3.99	14	3.68	14	6.48	16	5.63	12	6.40	164	47.15
Husbands	...	14	2.35	15	3.77	13	2.07	4	1.33	4	.71	14	5.62	16	4.22	12	3.04	12	2.81	20	6.90	14	5.55	14	6.06	152	45.33
Collyns	...	14	2.35	15	3.77	13	2.07	4	1.33	4	.71	14	5.62	16	4.22	12	3.04	12	2.81	20	6.90	14	5.55	14	6.06	152	45.33
Friendship	...	11	2.07	19	2.80	10	1.72	3	1.54	5	.62	13	6.14	17	4.72	11	4.95	8	2.18	12	5.46	16	6.47	12	7.71	128	46.98
Lowlands	...	102	18.86	125	24.00	88	12.48	36	12.17	42	5.94	115	42.78	143	32.02	108	27.50	103	24.19	120	51.41	129	43.52	108	52.62	1,217	317.91
Totals	...	1275	2.96	1562	3.12	1100	1.50	450	1.52	525	.67	1437	5.35	1737	4.00	1825	3.44	1287	3.02	1500	6.43	1012	5.44	1350	6.57	15210	43.48
<b>VI. DISTRICT "F."</b>																											
<i>St. Joseph.</i>																											
<i>Highlands.</i>																											
Buckden	1,050	16	8.48	16	6.00	11	4.69	5	.98	9	1.14	15	5.21	20	4.90	13	6.85	12	5.36	14	5.47	18	7.67	18	8.01	149	51.25
Jattle Island	900	22	2.37	24	5.43	15	4.85	10	1.76	10	.87	19	5.44	25	5.22	19	7.68	20	5.59	19	6.11	20	8.65	20	8.01	222	62.90
Blackman's	460	20	2.67	23	5.23	18	5.06	10	1.68	11	.88	18	5.77	24	5.28	23	7.27	18	5.68	21	5.16	21	8.51	21	8.99	227	61.58
Blackman's House	...	30	2.68	25	6.55	20	5.96	11	2.26	12	1.11	19	6.62	27	6.23	24	8.25	20	7.98	25	6.13	25	9.19	23	10.27	251	73.93
Castle Grant	1,079	12	4.58	17	5.93	14	5.66	7	2.50	6	.85	20	6.45	21	5.27	19	6.88	17	5.67	16	3.82	21	9.15	19	7.36	192	64.78
Andrews	780	15	4.52	16	5.48	15	5.42	7	1.78	7	1.00	18	5.60	20	5.60	22	7.83	14	5.87	9	5.01	19	8.64	19	9.26	178	64.00
Lennings	1,040	21	4.91	22	7.18	13	5.48	6	1.59	8	1.94	18	6.73	24	5.78	18	7.65	20	6.13	20	4.98	23	10.21	23	8.01	216	60.42
Retreat	...	12	3.07	19	4.00	16	6.18	5	.59	6	1.30	13	5.15	21	5.04	18	5.04	16	5.71	16	6.13	13	7.67	17	9.37	175	59.25
Saltram	...	140	29.16	162	45.85	121	43.80	58	13.14	60	8.19	140	47.22	182	48.52	156	56.95	137	40.59	137	42.81	166	70.80	142	60.34	1,010	507.96
Totals	...	1750	3.77	2025	5.02	1512	5.41	725	1.64	802	1.92	1750	5.90	2275	5.44	1050	7.12	1712	5.82	1712	5.35	2075	8.86	2075	8.62	20876	64.57

**BARBADOS RAINFALL FROM JANUARY TO DECEMBER, 1899.**

Name of Station.	Feet.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Totals.	
		Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.
<b>(a) St. Joseph.</b>																											
<i>Lowlands.</i>																											
VI. Distract "F."	...	18	2.62	19	3.53	13	5.28	4	.85	16	4.06	12	5.36	18	4.68	13	5.29	20	8.06	18	9.61	20	8.06	18	9.61	173	56.27
(1) St. Joseph.	...	16	1.97	19	2.88	18	4.00	7	.58	22	3.65	26	3.80	20	3.72	16	4.45	21	6.36	22	9.81	21	6.36	22	9.81	210	44.93
Melbourn	...	14	2.88	15	3.13	14	5.01	2	.57	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Bissex Hill	723	14	1.70	18	1.98	15	3.91	4	.57	18	2.91	18	3.86	16	3.20	19	6.56	18	6.44	23	8.82	18	6.44	23	8.82	192	43.08
District F	966	15	2.21	18	2.68	13	4.97	16	1.48	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Parks	...	10	2.86	16	4.82	14	4.65	5	2.89	14	4.88	11	5.70	13	4.91	10	6.80	15	8.47	15	6.60	15	8.47	15	6.60	439	59.00
Spa.	183	10	1.60	12	2.09	10	5.01	2	.52	17	3.79	10	6.13	15	4.11	14	5.61	18	7.88	13	6.58	13	7.88	13	6.58	113	50.06
Foster Hall	...	88	12.06	102	18.98	83	28.12	88	6.89	40	6.16	84	22.77	92	19.24	71	24.88	80	20.57	72	28.71	92	37.47	91	41.72	987	298.17
Joes River	424	13-83	2.16	17-00	3.16	13-83	4.02	6-33	1.15	8-17	1.03	14-00	3.79	3.85	14-20	4.97	10-69	4.11	14-10	5.74	18-40	7.49	18-20	8.31	172-76	19-81	
<b>(b) St. Andrew.</b>																											
<i>Highlands.</i>																											
Grege Farm	...	14	2.13	17	3.51	18	4.21	2	.47	7	.80	18	4.73	23	4.13	11	5.89	19	3.94	17	6.21	16	10.53	14	5.54	176	52.90
Swans	...	15	2.51	20	3.47	17	4.65	5	.36	4	.47	13	3.17	19	3.12	16	4.11	14	3.42	20	8.34	18	6.87	16	5.30	177	40.12
Spring Vale	...	13	3.15	14	3.75	12	5.10	2	.50	3	.99	14	4.67	17	4.68	9	4.99	15	5.29	11	8.08	11	9.13	15	6.00	136	50.48
Prince Vale	...	9	2.40	10	3.35	17	5.73	6	.79	4	.57	10	3.89	14	3.97	13	5.60	12	4.68	14	8.70	19	9.29	17	4.89	116	53.23
Turners' Hall	...	19	3.33	20	3.72	17	5.16	4	1.24	5	.83	13	5.23	17	4.78	14	4.18	17	4.10	15	10.67	13	6.85	14	7.18	168	57.37
Cleoland	...	18	3.00	22	4.24	16	5.81	1	.64	2	.31	15	5.16	17	4.24	13	5.22	15	4.91	11	7.66	17	7.38	19	7.78	196	50.65
Greenland	...	88	16.52	103	22.04	97	30.72	29	4.60	25	3.97	83	27.15	107	24.32	76	30.02	93	20.34	88	49.66	91	50.65	95	37.98	969	322.17
Seniors	...	14-06	2.75	17-10	3.67	16-16	5.12	3-33	.66	4-10	.66	13-83	4.57	17-33	4.65	12-06	5.06	13-50	4.30	13-63	8.28	13-06	8.34	15-83	6.18	161-11	33-67
<b>(c) St. Andrew.</b>																											
<i>Lowlands.</i>																											
Morgan Lewis	...	11	3.38	10	3.00	10	3.10	3	.33	8	.79	10	4.69	15	3.93	10	3.11	11	2.83	13	7.97	9	5.56	13	7.51	118	46.23
Haggrats	...	7	1.94	11	2.56	11	4.65	1	.38	6	.80	10	3.77	14	3.45	7	1.73	11	3.84	13	7.78	13	6.76	15	4.66	119	44.73
Overhill	...	10	4.30	12	2.85	9	4.70	4	.90	7	1.10	12	6.26	17	5.43	12	3.70	10	3.97	11	10.46	10	8.98	15	8.91	132	61.26
Totals	...	28	9.62	33	8.41	30	11.85	8	2.07	16	2.23	32	14.72	46	12.81	29	11.51	32	10.64	40	26.21	32	21.30	43	20.81	300	152.21
Totals	...	9-33	3-21	11-00	2-80	10-00	3-95	2-60	.69	5-33	.74	10-06	4-91	15-33	4-27	9-66	3-85	10-66	3-35	13-33	8-74	10-06	7-10	14-35	6-94	122-95	50-75

THE SUMMARY OF BARBADOS RAINFALL FROM JANUARY TO DECEMBER, 1899.

Name of Station.	Number of Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Totals.	
		Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.	Days.	Inches.
I. DISTRICT "A." a. St. Michael. (Lowlands.)	16	15-68	2-89	16-94	2-66	11-56	2-67	5-56	88	6-40	89	14-25	4-44	20-69	4-14	14-44	4-08	14-87	5-07	18-56	4-48	18-12	7-87	10-69	2-93	162-76	43-00
II. DISTRICT "B." a. Christ Church. (Lowlands.) b. St. George. (Highlands.) c. St. George. (Lowlands.)	21	15-95	3-48	13-81	2-64	10-90	2-57	5-00	94	6-52	1-08	14-86	4-38	17-76	4-16	14-14	3-69	15-09	3-66	12-96	4-04	16-93	7-55	10-50	3-39	154-33	41-86
III. DISTRICT "C." a. St. Philip. (Highlands.) b. St. Philip. (Lowlands.) c. St. Philip. (Lowlands.)	10	15-40	4-00	15-78	4-15	13-33	3-98	6-22	1-20	5-44	96	15-44	4-80	19-50	5-08	15-62	5-80	16-00	4-01	15-75	4-91	18-50	7-90	17-37	8-38	174-35	55-26
IV. DISTRICT "D." a. St. Thomas. (Highlands.) b. St. Thomas. (Lowlands.) c. St. Thomas. (Lowlands.)	7	15-00	3-56	16-57	3-43	11-00	3-34	5-00	1-02	5-37	58	14-86	5-03	21-14	5-23	15-33	5-57	16-33	4-15	15-16	5-56	19-00	9-14	14-57	5-41	169-53	52-62
V. DISTRICT "E." a. St. Peter. (Highlands.) b. St. Peter. (Lowlands.) c. St. Peter. (Lowlands.)	4	14-00	3-22	19-33	3-28	12-66	2-65	5-33	1-15	7-00	77	16-33	3-92	22-33	3-70	15-66	4-71	17-33	3-64	16-06	7-03	19-00	7-08	16-00	8-84	186-97	49-98
VI. DISTRICT "F." a. St. Joseph. (Highlands.) b. St. Joseph. (Lowlands.) c. St. Joseph. (Lowlands.)	19	14-95	2-72	15-58	2-83	11-84	2-80	4-90	9-2	6-79	79	14-89	3-94	19-11	3-85	14-67	4-40	15-17	3-01	15-30	5-39	17-94	6-11	15-28	8-22	166-42	44-48
VII. DISTRICT "G." a. St. James. (Highlands.) b. St. James. (Lowlands.) c. St. James. (Lowlands.)	14	16-00	3-38	18-00	3-85	13-29	3-77	6-82	1-36	7-29	75	15-21	4-37	21-07	4-14	16-07	5-14	16-64	4-19	15-11	6-45	18-57	7-49	17-28	8-77	181-48	53-66
VIII. DISTRICT "H." a. St. John. (Highlands.) b. St. John. (Lowlands.) c. St. John. (Lowlands.)	4	14-50	2-24	13-75	1-88	11-75	2-73	5-25	9-6	6-00	50	14-50	3-11	14-75	3-28	12-75	3-28	13-25	3-22	15-25	5-20	10-25	5-11	16-25	6-33	157-25	37-54
IX. DISTRICT "I." a. St. Thomas. (Highlands.) b. St. Thomas. (Lowlands.) c. St. Thomas. (Lowlands.)	11	16-80	3-62	23-10	6-81	17-30	5-66	7-90	1-69	7-89	84	18-40	6-00	23-80	5-64	19-69	7-42	19-20	5-56	18-70	6-68	20-70	10-41	19-90	8-19	213-39	68-32
X. DISTRICT "J." a. St. Peter. (Highlands.) b. St. Peter. (Lowlands.) c. St. Peter. (Lowlands.)	12	15-82	3-38	19-92	4-71	15-56	4-19	5-16	1-13	7-32	95	17-45	5-07	22-41	5-17	17-17	5-84	16-91	4-25	16-50	4-11	19-41	8-26	18-09	6-24	192-10	52-80
XI. DISTRICT "K." a. St. James. (Highlands.) b. St. James. (Lowlands.) c. St. James. (Lowlands.)	3	13-00	2-87	17-33	5-53	15-33	5-28	3-00	6-2	5-33	62	15-00	5-02	17-33	4-44	12-33	5-44	16-33	5-29	18-00	6-19	16-33	9-65	16-66	5-11	165-97	56-06
XII. DISTRICT "L." a. St. Peter. (Highlands.) b. St. Peter. (Lowlands.) c. St. Peter. (Lowlands.)	11	15-00	2-76	17-00	3-84	15-45	3-88	5-30	7-0	4-64	60	16-27	4-42	20-27	4-34	15-27	4-30	15-36	3-23	16-00	4-87	16-09	7-83	15-18	3-68	171-33	44-54
XIII. DISTRICT "M." a. St. Peter. (Highlands.) b. St. Peter. (Lowlands.) c. St. Peter. (Lowlands.)	9	16-66	3-53	15-89	5-05	13-78	4-44	3-11	1-03	6-97	39	14-00	5-30	18-11	5-21	11-78	3-66	13-55	4-44	16-00	8-58	15-89	7-72	16-44	5-57	138-88	56-02
XIV. DISTRICT "N." a. St. Peter. (Highlands.) b. St. Peter. (Lowlands.) c. St. Peter. (Lowlands.)	7	12-86	3-07	12-71	4-06	13-14	4-17	3-57	9-9	5-86	81	12-71	5-43	14-57	4-65	12-00	3-29	13-71	4-14	14-14	7-31	13-43	5-98	13-71	3-52	142-41	47-42
XV. DISTRICT "O." a. St. Peter. (Highlands.) b. St. Peter. (Lowlands.) c. St. Peter. (Lowlands.)	8	12-75	2-36	15-62	3-12	11-00	1-56	4-50	1-52	5-25	67	14-37	5-35	17-87	4-00	13-25	3-44	12-87	3-02	15-00	6-43	16-12	5-44	13-50	6-57	152-10	43-48
XVI. DISTRICT "P." a. St. Joseph. (Highlands.) b. St. Joseph. (Lowlands.) c. St. Joseph. (Lowlands.)	8	17-56	3-77	20-25	5-62	15-12	5-41	7-25	1-64	8-62	1-02	17-50	5-90	22-75	5-44	19-50	7-12	17-12	5-82	17-12	5-35	20-75	8-86	20-28	8-62	203-76	64-57
XVII. DISTRICT "Q." a. St. Andrew. (Highlands.) b. St. Andrew. (Lowlands.) c. St. Andrew. (Lowlands.)	6	13-33	2-16	17-00	3-16	13-33	4-02	6-33	1-15	8-17	1-03	14-00	3-79	13-40	3-85	14-20	4-97	16-00	4-11	14-40	5-74	18-40	7-49	18-20	8-34	172-76	49-81
XVIII. DISTRICT "R." a. St. Andrew. (Highlands.) b. St. Andrew. (Lowlands.) c. St. Andrew. (Lowlands.)	6	14-66	2-75	17-16	3-67	16-16	5-12	3-33	6-6	4-16	66	13-83	4-57	17-83	4-05	12-66	5-00	15-50	4-39	14-66	8-28	15-66	8-34	15-83	6-18	161-44	53-67
XIX. DISTRICT "S." a. St. Andrew. (Highlands.) b. St. Andrew. (Lowlands.) c. St. Andrew. (Lowlands.)	3	9-33	3-21	11-00	2-80	10-00	3-65	2-66	6-9	5-33	74	10-66	4-91	5-33	4-27	9-66	3-85	10-66	3-55	13-33	8-74	10-66	7-10	14-33	6-94	122-95	50-75
XX. DISTRICT "T." a. St. Andrew. (Highlands.) b. St. Andrew. (Lowlands.) c. St. Andrew. (Lowlands.)	185	278-09	59-27	310-74	72-59	252-94	72-19	90-23	20-04	120-75	15-13	284-53	90-44	364-52	84-28	276-10	90-50	291-80	78-95	292-91	115-34	330-77	145-33	299-16	121-33	3205-23	965-24
		14-97	3-12	16-67	3-82	13-81	3-80	5-06	1-05	6-35	30	14-98	4-76	19-19	4-43	14-53	4-70	15-36	4-15	15-41	9-07	17-41	7-65	15-75	6-39	168-99	50-80

