



*Official Weather Source
of the Cayman Islands*

ANNUAL SUMMARY OF WEATHER SYSTEMS AFFECTING THE CAYMAN ISLANDS 2019

January

Weather charts indicate that an upper level trough on January 05th 2019 supported cloudiness and showers with an accumulation of 1.37 inches of rainfall measured by the Cayman Islands National Weather Service at the Owen Roberts International Airport.

Weather charts indicate that a cold front moved across the Cayman area on January 6th 2018. The system interacted with the upper level trough to produce cloudiness and showers with an accumulation of 3.33 inches measured by the Cayman Islands National Weather Service at the Owen Roberts International Airport on January 6th 2018.

Weather charts indicate that a weak inverted trough formed over the northwest Caribbean by January 13th 2019. The system produced cloudiness and showers with an accumulation of 0.91 of an inch measured by the Cayman Islands National Weather Service at the Owen Roberts International Airport on January 13th 2018.

Weather charts indicate that a cold front moved across the Cayman area on January 21st 2019. The associated high pressure system supported fresh to strong north to northeast winds and rough seas from January 21st through 23rd 2019. The Cayman Islands National Weather Service issued a marine warning for the system for the period. The rough seas caused a closure of the harbor and cruise ships were diverted to the south coast.

The total measured accumulation of 6.11 inches or 4.07 inches above the normal 2.04 inches of the 30 year average for January. This was the second wettest January on record.

February

Weather charts indicate that a high pressure system over the western Atlantic Ocean supported fresh to strong northeast winds and rough seas from February 06th – 09th 2019. The Cayman Islands National Weather Service issued a marine warning for the period.

Weather charts indicate that an upper level trough supported cloudiness and showers across the Cayman area on February 11th 2019 with a rainfall accumulation of 0.72 of an inch recorded by the Cayman Islands National Weather Service at the Owen Roberts International Airport on February 11th 2019.

Weather charts indicate that a cold front moved across the Cayman area on February 13/14th 2019. The system produced cloudiness and showers with a rainfall accumulation of 1.27 inches recorded by the Cayman Islands National Weather Service at the Owen Roberts International Airport on February 13/14th 2019.

The total measured accumulation of 2.17 inches or 0.67 of an inch above the normal 1.50 inches of the 30 year average for February. This was the wettest February since 2008.

March

Weather charts indicate that a high pressure system over the southwestern United States supported fresh to strong northeast winds and rough seas from March 7th and 8th 2019. The Cayman Islands National Weather Service issued a marine warning for the system for the period.

The total measured accumulation of 0.91 of an inch or 0.43 of an inch below the 30 year average for March of 1.32 inches.

April

Weather charts indicate that residual moisture associated with a dissipating stationary front northeast of the Cayman area will support some cloudiness and showers on April 22nd 2019. The system produced a rainfall accumulation of 1.42 inches recorded by the Cayman Islands National Weather Service at the Owen Roberts International Airport on April 22nd 2019.

The total measured accumulation of 2.82 inches or 1.55 inches above the normal 1.27 inches of the 30 year average for April.

May

Weather charts indicate that a weak cyclonic perturbation moved across the Cayman area on May 20th 2019. The system supported cloudiness and showers with an accumulation of 2.69 inches measured by the Cayman Islands National Weather Service at the Owen Roberts International Airport.

Weather charts indicate that an upper level trough on May 23rd 2019 supported cloudiness and showers with an accumulation of 0.62 of an inch measured by the Cayman Islands National Weather Service at the Owen Roberts International Airport.

Weather charts indicate that an upper level low pressure system over the western Caribbean on May 27th 2019 supported cloudiness and showers with an accumulation of 1.14 inches measured by the Cayman Islands National Weather Service at the Owen Roberts International Airport.

Weather charts indicate that an upper level trough over the northwest Caribbean on May 29th 2019 supported cloudiness and showers with an accumulation of 1.04 inches measured by the Cayman Islands National Weather Service at the Owen Roberts International Airport.

The National Weather Service recorded 6.29 inches for the month or 0.33 of an inch above the long term average of 5.96 inches. The total was the highest May rainfall total since 2012.

June

Weather charts indicate that an upper level low pressure system over the Cayman area produced cloudiness and showers on June 25th 2019. The system produced an accumulation of 4.65 inches on June 25th 2019 as measured by the Cayman Islands National Weather Service at the Owen Roberts International Airport.

Weather charts indicate that a tropical wave moved across the Cayman area on June 29th. The system produced an accumulation of 0.70 of an inch as measured by the Cayman Islands National Weather Service at the Owen Roberts International Airport.

The total measured accumulation of 6.65 inches for the month was 0.45 of an inch above the 30 year average for June of 6.20 inches.

July

Weather charts indicate that a tropical wave moved across the Cayman area on July 30th. The system produced an accumulation of 1.2 inches as measured by the Cayman Islands National Weather Service at the Owen Roberts International Airport.

The measured accumulation of 3.79 inches for the month was 1.99 inches below the 30 year average for July of 5.78 inches.

August

Weather charts indicate that an upper level trough produce an area of cloudiness and showers over the northwest Caribbean on August 18th 2019. The system produced an accumulation of 0.66 and 1.38 inches on August 18th and 19th 2019 respectively as measured by the Cayman Islands National Weather Service at the Owen Roberts International Airport.

The total measured accumulation of 3.60 inches for the month or 2.30 inches below the 30 year average for August of 5.90 inches.

September

Weather charts indicate that a tropical wave produced cloudiness and showers over the Cayman area on September 8th 2019. The system produced an accumulation of 0.57 of an inch on September 8th 2019 as measured by the Cayman Islands National Weather Service at the Owen Roberts International Airport.

Weather charts indicate that an upper level trough produce an area of cloudiness and showers over the northwest Caribbean on September 19th 2019. The system produced an accumulation of 0.54 and 0.60 of an inch on September 19th and 20th 2019 respectively as measured by the Cayman Islands National Weather Service at the Owen Roberts International Airport.

The total measured accumulation of 1.83 inches for the month was 6.91 inches below the 30 year average for September of 8.74 inches.

October

Weather charts indicate that a broad area of low pressure associated with a tropical wave produced cloudiness and showers over the Cayman area on October 1 2019. The system lingered over the Cayman area through October 5th 2019 with accumulations of 0.79, 0.69, 1.03 and 1.05 inches recorded by the Cayman Islands National Weather Service at the Owen Roberts International Airport for October 1, 3, 4 and 5th respectively.

Weather charts indicate that an upper level trough interacted with a tropical wave to produce cloudiness and showers over the Cayman area on October 26th 2019 with an accumulation of 0.59 of an inch recorded on October 26th 2019 by the Cayman Islands National Weather Service at the Owen Roberts International Airport.

The total measured accumulation of 6.21 inches for the month was 2.44 inches below the 30 year average for October of 8.65 inches.

November

Weather charts indicate that a cold front moved across the Cayman area on November 10th 2019 and became stationary over the Cayman area on November 12th 2019. The system produced cloudiness and showers with a rainfall accumulation of 2.11 and 0.86 inches recorded by the Cayman Islands National Weather Service at the Owen Roberts International Airport on November 10th and 12th 2019.

Weather charts indicate that a cold front moved across the Cayman area on November 16th 2019. The system produced cloudiness and showers with a rainfall accumulation of 1.18 inches recorded by the Cayman Islands National Weather Service at the Owen Roberts International Airport on November 16th 2019.

The total measured accumulation of 4.88 inches for the month was 1.17 inches below the 30 year average for October of 6.05 inches.

December

Weather charts indicate that a cold front moved over the northwest Caribbean on December 18th 2019. The system produced cloudiness and showers with a rainfall accumulation of 0.58 of an inch recorded by the Cayman Islands National Weather Service at the Owen Roberts International Airport on November 18th 2019.

Weather charts indicate that the cold front became stationary west of Grand Cayman on December 20th 2019. The system produced cloudiness and showers with a rainfall accumulation of 0.71 of an inch recorded by the Cayman Islands National Weather Service at the Owen Roberts International Airport on November 20th 2019.

The total measured accumulation of 1.59 inches for the month was 1.20 inches below the 30 year average for October of 2.79 inches.

For 2019 the total rainfall was 47.12 inches or 9.08 inches below the 30 year average rainfall of 56.20 inches.

Below is the rainfall graph for 2019.

Rainfall accumulation 2019 monthly rainfall totals vs 30 year average monthly rainfall totals (Inches)

