

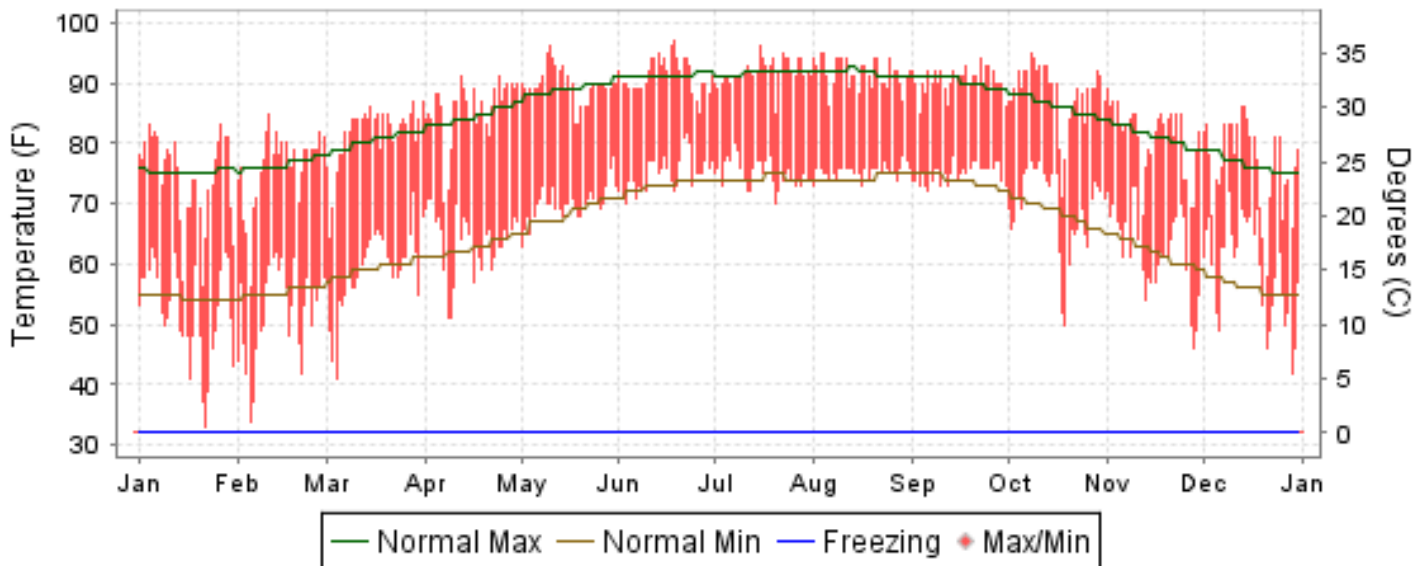


2009 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

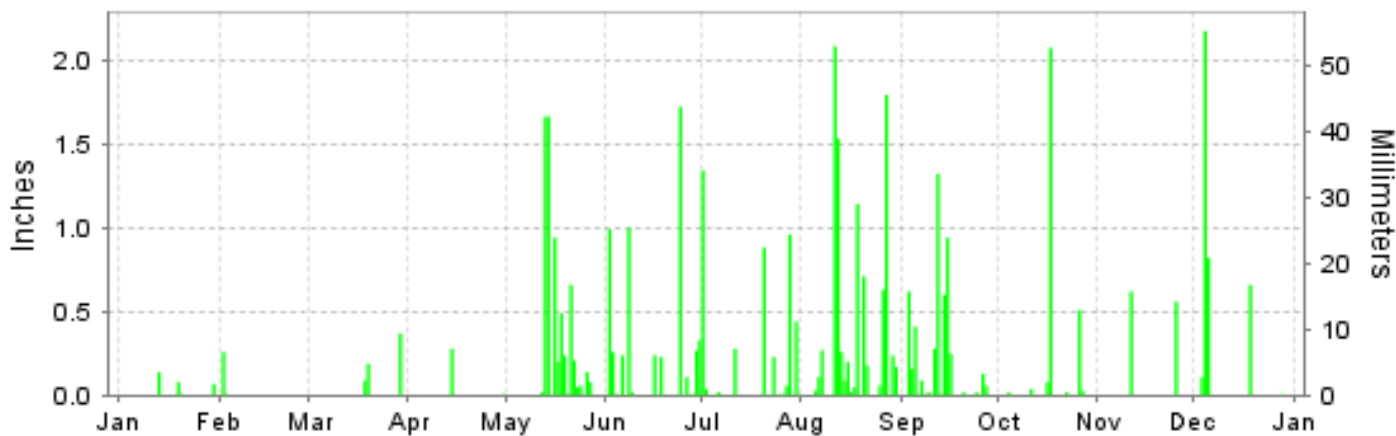
ISSN 0198-1234

FORT MYERS, FLORIDA (KFMY)

Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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NATIONAL
OCEANIC AND
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NATIONAL
ENVIRONMENTAL SATELLITE, DATA
AND INFORMATION SERVICE

NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

Thomas R. Karl
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2009

FORT MYERS (KFMY)

LATITUDE: 26° 35'N LONGITUDE: -81° 51'W ELEVATION (FT): GRND: 14 BARO: 18 TIME ZONE: EASTERN (UTC -5) WBAN: 12835

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	74.3	76.0	81.6	85.7	89.6	91.3	91.9	91.6	90.5	88.4	81.1	76.5	84.9	
	HIGHEST DAILY MAXIMUM	83	85	87	91	96	97	96	95	94	95	89	86	97	
	DATE OF OCCURRENCE	27+	11	31+	24+	10	18	15	04+	22	08	01	14+	JUN 18	
	MEAN DAILY MINIMUM	52.0	52.1	59.0	63.7	70.1	75.1	75.1	75.4	75.1	69.4	62.2	59.1	65.7	
	LOWEST DAILY MINIMUM	33	34	41	51	63	70	70	73	72	50	46	42	33	
	DATE OF OCCURRENCE	22	05	04	09+	01	03	20	16+	06	19	28	29	JAN 22	
	AVERAGE DRY BULB	63.2	64.1	70.3	74.7	79.9	83.2	83.5	83.5	82.8	78.9	71.7	67.8	75.3	
	MEAN WET BULB	56.3	55.9	61.5	65.8	70.9	75.2	75.4	76.1	75.5	71.7	64.8	62.1	67.6	
	MEAN DEW POINT	50.9	49.1	55.8	60.5	66.9	71.9	72.3	73.6	73.1	68.1	61.0	58.6	63.5	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	5	17	21	29	25	25	14	0	0	136	
	MAXIMUM <= 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	
	MINIMUM <= 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	
	MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0	
H/C	HEATING DEGREE DAYS	115	82	23	3	0	0	0	0	0	4	14	56	297	
	COOLING DEGREE DAYS	65	64	195	301	470	554	582	582	539	441	224	150	4167	
RH	MEAN (PERCENT)	69	64	65	65	70	72	74	78	79	73	73	76	72	
	HOUR 01 LST	80	79	81	80	84	85	87	91	91	85	83	84	84	
	HOUR 07 LST	84	77	79	73	75	75	76	82	84	84	84	84	80	
	HOUR 13 LST	48	40	42	43	51	59	56	60	61	53	54	60	52	
	HOUR 19 LST	69	64	62	66	73	74	75	80	80	73	74	76	72	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	2	4	0	2	1	0	1	3	1	0	0	2	16	
	THUNDERSTORMS	0	0	1	1	10	9	14	24	17	1	0	1	78	
CLOUDNESS	SUNRISE-SUNSET: (OKTAS)														
	CEILOMETER (<= 12,000 FT.)														
	SATELLITE (> 12,000 FT.)														
	MIDNIGHT-MIDNIGHT: (OKTAS)														
	CEILOMETER (<= 12,000 FT.)														
SATELLITE (> 12,000 FT.)															
NUMBER OF DAYS WITH:															
CLEAR															
PARTLY CLOUDY															
CLOUDY															
PR	MEAN STATION PRESS. (IN.)	30.11	30.16	30.09	30.03	29.95	29.90	30.01	29.99	29.93	29.95	29.97	30.01	30.01	
	MEAN SEA-LEVEL PRESS. (IN.)	30.13	30.19	30.11	30.06	29.98	29.93	30.04	30.02	29.96	29.98	29.99	30.05	30.04	
WINDS	RESULTANT SPEED (MPH)	1.5	1.9	2.4	1.3	1.0	3.1	1.4	1.5	1.5	1.1	3.0	2.6	0.7	
	RES. DIR. (TENS OF DEGS.)	03	06	11	15	20	27	23	11	07	04	03	06	07	
	MEAN SPEED (MPH)	6.8	7.5	7.7	8.4	6.6	6.2	4.9	4.5	4.5	5.6	6.6	7.5	6.4	
	PREVAIL.DIR.(TENS OF DEGS.)	03	05	07	09	12	29	13	09	08	12	06	05	08	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	33	26	28	31	37	37	29	28	28	26	26	28	37	
	DIR. (TENS OF DEGS.)	28	33	28	17	09	03	34	04	30	27	10	30	03	
	DATE OF OCCURRENCE	07	04	01	14	14	18	20	27	03	16	08	19	JUN 18	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	39	31	37	40	46	49	36	37	36	35	35	38	49	
DIR. (TENS OF DEGS.)	25	18	18	17	09	02	23	05	30	27	11	21	02		
DATE OF OCCURRENCE	07	02	28	14	14	18	01	27	03	16	08	18	JUN 18		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	0.30	0.27	0.65	0.29	6.42	5.43	4.29	9.56	4.95	2.77	1.18	3.77	39.88	
	GREATEST 24-HOUR (IN.)	0.14	0.26	0.37	0.28	2.98	1.72	1.35	3.61	1.32	2.15	0.62	2.68	3.61	
	DATE OF OCCURRENCE	13	02	29	14	13-14	24	01-02	11-12	12	16-17	11	04-05	AUG 11-12	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	4	2	3	2	14	13	13	18	17	7	2	5	100	
PRECIPITATION 0.10	1	1	2	1	9	10	6	13	9	2	2	4	60		
PRECIPITATION 1.00	0	0	0	0	2	2	1	4	1	1	0	1	12		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)														
	GREATEST 24-HOUR (IN.)														
	DATE OF OCCURRENCE														
	NUMBER OF DAYS WITH:														
SNOWFALL >= 1.0															

PRECIPITATION (inches) 2009 FORT MYERS (KFMY)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1998			5.40	1.17	2.56	6.53	10.01	8.69	13.59	0.57	7.58	1.07	
1999	2.34	0.19	0.85	0.66	3.46	10.90	8.04	9.41	8.29	1.83	1.53	1.50	49.00
2000	1.27	0.11	3.37	1.91	2.79	8.01	8.73	8.40	12.02	1.78	T	0.45	48.84
2001	T	T	1.97	0.52	0.20	4.52	13.94	10.32	14.14	2.21	0.41	1.84	50.07
2002	2.13	0.96	0.19	1.64	2.34	7.89	7.15	12.63	6.82	1.05	5.67	3.58	52.05
2003	1.87	0.89	3.44	2.51	2.84	14.60	2.92	16.80	17.21	0.76	2.12	4.68	70.64
2004	3.39	3.44	0.36	3.65	0.47	15.07	10.35	16.82	4.51	0.70	1.10	1.97	61.83
2005	0.45	3.37	6.59	3.84	2.62	18.42	12.60	7.74	6.82	8.17	3.75	0.09	74.46
2006	0.36	2.34	0.32	0.01	2.03	13.70	14.43	9.45	10.11	0.85	1.11	1.56	56.27
2007	0.49	0.74	0.13	2.06	4.86	6.10	6.85	12.47	9.04	1.81	0.09	2.60	47.24
2008	1.31	2.25	1.57	3.03	0.81	7.14	13.19	10.33	14.86	3.43	0.09	2.07	60.08
2009	0.30	0.27	0.65	0.29	6.42	5.43	4.29	9.56	4.95	2.77	1.18	3.77	39.88
POR= 68 YRS	1.61	1.93	2.28	2.24	3.82	9.53	8.55	8.68	8.24	3.68	1.45	1.57	53.58

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AVERAGE TEMPERATURE (°F) 2009 FORT MYERS (KFMY)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1998			67.7	73.6	79.6	84.5	84.0	83.8	81.6	78.7	73.5	69.8	
1999	66.4	65.7	67.2	75.4	77.1	80.2	82.6	83.1	81.1	77.0	69.8	65.4	74.3
2000	63.7	65.2	71.9	71.9	79.1	81.6	82.4	81.9	81.7	74.6	68.9	64.1	73.9
2001	58.7	71.5	69.9	73.6	77.4	81.8	82.0	82.6	79.4	76.1	71.4	68.9	74.4
2002	65.6	65.2	72.5	76.9	79.8	81.1	82.2	82.3	82.4	79.4	68.7	63.7	75.0
2003	58.0	67.8	74.9	73.6	80.5	82.1	83.0	82.4	81.8	78.5	73.5	62.6	74.9
2004	62.6	66.1	69.7	71.6	78.5	82.6	82.6	82.7	81.9	77.8	71.7	64.5	74.4
2005	64.9	66.0	68.0	70.8	77.4	80.4	84.0	84.4	82.6	77.4	72.5	64.3	74.4
2006	65.7	63.8	69.5	75.7	78.7	82.5	82.1	83.3	82.1	76.8	69.4	70.9	75.0
2007	67.8	64.6	71.2	73.4	77.7	81.5	83.4	84.2	83.1	81.2	71.3	71.2	75.9
2008	65.3	70.8	71.0	74.5	80.5	82.7	82.5	84.0	82.0	75.8	67.3	67.5	75.3
2009	63.2	64.1	70.3	74.7	79.9	83.2	83.5	83.5	82.8	78.9	71.7	67.8	75.3
POR= 68 YRS	63.8	60.5	68.6	71.1	77.2	78.2	81.7	81.7	78.1	76.3	67.1	65.0	72.4

HEATING DEGREE DAYS (base 65°F) 2009 FORT MYERS (KFMY)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1997-98									58	0	0	0	
1998-99	0	0	0	0	1	33	63	61	22	0	0	0	180
1999-00	0	0	0	0	7	72	99	66	0	1	0	0	245
2000-01	0	0	0	0	24	109	226	10	17	3	0	0	389
2001-02	0	0	0	4	0	45	104	53	11	0	0	0	217
2002-03	0	0	0	0	37	104	222	27	8	6	0	0	404
2003-04	0	0	0	0	13	113	116	61	10	4	0	0	317
2004-05	0	0	0	0	2	90	90	38	46	0	0	0	266
2005-06	0	0	0	4	6	82	73	105	17	0	0	0	287
2006-07	0	0	0	3	40	22	58	80	11	7	0	0	221
2007-08	0	0	0	0	7	18	78	18	9	6	0	0	136
2008-09	0	0	0	13	47	37	115	82	23	3	0	0	320
2009-	0	0	0	4	14	56							

WBAN : 12835

COOLING DEGREE DAYS (base 65°F) 2009 FORT MYERS (KFMY)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1998			149	263	459	592	596	588	507	431	262	187	
1999	113	86	98	318	384	462	554	567	490	378	159	93	3702
2000	67	78	221	214	443	503	544	532	509	304	148	89	3652
2001	37	197	175	265	390	512	537	550	439	357	197	173	3829
2002	129	63	253	365	467	491	542	542	528	455	157	71	4063
2003	10	110	319	271	485	519	566	547	509	425	275	45	4081
2004	50	100	165	210	423	537	554	556	512	404	211	82	3804
2005	98	75	146	181	393	467	596	608	535	394	237	70	3800
2006	103	79	162	325	434	530	539	571	517	378	179	209	4026
2007	151	77	211	265	400	500	575	600	547	508	200	220	4254
2008	97	192	202	297	485	539	551	595	517	356	125	120	4076
2009	65	64	195	301	470	554	582	582	539	441	224	150	4167

SNOWFALL (inches) 2009 FORT MYERS (KFMY)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
POR=													

WBAN : 12835

REFERENCE NOTES :

PAGE 1:
 THE TEMPERATURE GRAPH SHOWS NORMAL MAXIMUM AND NORMAL MINIMUM DAILY TEMPERATURES (SOLID CURVES) AND THE ACTUAL DAILY HIGH AND LOW TEMPERATURES (VERTICAL BARS).

PAGE 2 AND 3:
 H/C INDICATES HEATING AND COOLING DEGREE DAYS.
 RH INDICATES RELATIVE HUMIDITY
 W/O INDICATES WEATHER AND OBSTRUCTIONS
 S INDICATES SUNSHINE.
 PR INDICATES PRESSURE.
 CLOUDINESS ON PAGE 3 IS THE SUM OF THE CEILOMETER AND SATELLITE DATA NOT TO EXCEED EIGHT EIGHTHS(OKTAS).

GENERAL:
 T INDICATES TRACE PRECIPITATION, AN AMOUNT GREATER THAN ZERO BUT LESS THAN THE LOWEST REPORTABLE VALUE.
 + INDICATES THE VALUE ALSO OCCURS ON EARLIER DATES.
 BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.
 NORMALS ARE 30-YEAR AVERAGES (1971 - 2000).
 ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM.
 PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH.
 POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY BE MISSING.
 WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED.
 0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05.
 CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA FOR CLOUDS AT OR BELOW 12,000 FEET AND ON SATELLITE DATA FOR CLOUDS ABOVE 12,000 FEET.
 THE NUMBER OF DAYS WITH CLEAR, PARTLY CLOUDY, AND CLOUDY CONDITIONS FOR ASOS STATIONS IS THE SUM OF THE CEILOMETER AND SATELLITE DATA FOR THE SUNRISE TO SUNSET PERIOD.
 CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS.
 WHEN AT LEAST ONE OF THE ELEMENTS (CEILOMETER OR SATELLITE) IS MISSING, THE DAILY CLOUDINESS IS NOT COMPUTED.

GENERAL CONTINUED:
 WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM. "36" INDICATES TRUE NORTH.
 RESULTANT WIND IS THE VECTOR AVERAGE OF THE SPEED AND DIRECTION.
 AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAXIMUM AND MINIMUM TEMPERATURE DIVIDED BY 2.
 SNOWFALL DATA COMPRISE ALL FORMS OF FROZEN PRECIPITATION, INCLUDING HAIL.
 A HEATING (COOLING) DEGREE DAY IS THE DIFFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65 F.
 DRY BULB IS THE TEMPERATURE OF THE AMBIENT AIR.
 DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100 PERCENT RELATIVE HUMIDITY.
 WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100 PERCENT RELATIVE HUMIDITY.
 ON JULY 1, 1996, THE NATIONAL WEATHER SERVICE BEGAN USING THE "METAR" OBSERVATION CODE THAT WAS ALREADY EMPLOYED BY MOST OTHER NATIONS OF THE WORLD. THE MOST NOTICEABLE DIFFERENCE IN THIS ANNUAL PUBLICATION WILL BE THE CHANGE IN UNITS FROM TENTHS TO EIGHTS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.
 STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED HISTORY GO TO "MULTI-NETWORK MEDADATA SYSTEM", URL IS: <https://mi3.ncdc.noaa.gov/mi3qry/login.cfm>

NOTE:
 The "Period of Record:(POR) for all "averages" is based on the "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.

2009

FORT MYERS

FLORIDA (KFMY)

Located on the south bank of the Caloosahatchee River, about 15 miles from the Gulf of Mexico, Fort Myers has a climate characterized as subtropical, with temperature extremes of both summer and winter tempered by the marine influence of the Gulf.

Temperatures generally range from the low 60s in winter to the low 80s in summer. Winters are mild, with many bright, warm days and moderately cool nights. Occasional cold snaps bring temperatures in the 30s, but only rarely do temperatures drop into the 20s. Frost occurs in the farming areas on only a few occasions each year, and usually is light and scattered. In the summer, temperatures have reached 100 degrees, but these occurrences are very rare.

About two-thirds of annual precipitation occurs during June through September. There are frequent long periods during the winter when only very light, or no rain falls. Most rain during the summer occurs as late afternoon or early evening thunderstorms, which bring welcome cooling on hot summer days. These showers seldom last long, even though they yield large amounts of rain. Exceptions are during the late summer or fall when tropical storms or hurricanes may pass near the Fort Myers area. These may result in heavy downpours that may reach torrential proportions. Twenty-four-hour amounts of from 6 to over 10 inches may occur.

The prevailing wind direction is east and, except during the passage of tropical storms, high velocities are not experienced. During winter and spring there are usually a few days with 20 to 30 mph winds and thunderstorms are sometimes accompanied by strong gusts for brief periods. Winds approximating 100 mph have been experienced with the passage of hurricanes during the fall months.

Thunderstorms have occurred during every month, but are infrequent from November to April. From June through September they occur on 2 out of every 3 days on an average, and as a general rule, in the late afternoons or early evenings. Heavy fog is rather infrequent, occurring mostly in winter during the early mornings. There is seldom a day without sunshine at some time.

Relative humidity is high during the night, dropping off in the middle of the day.

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