

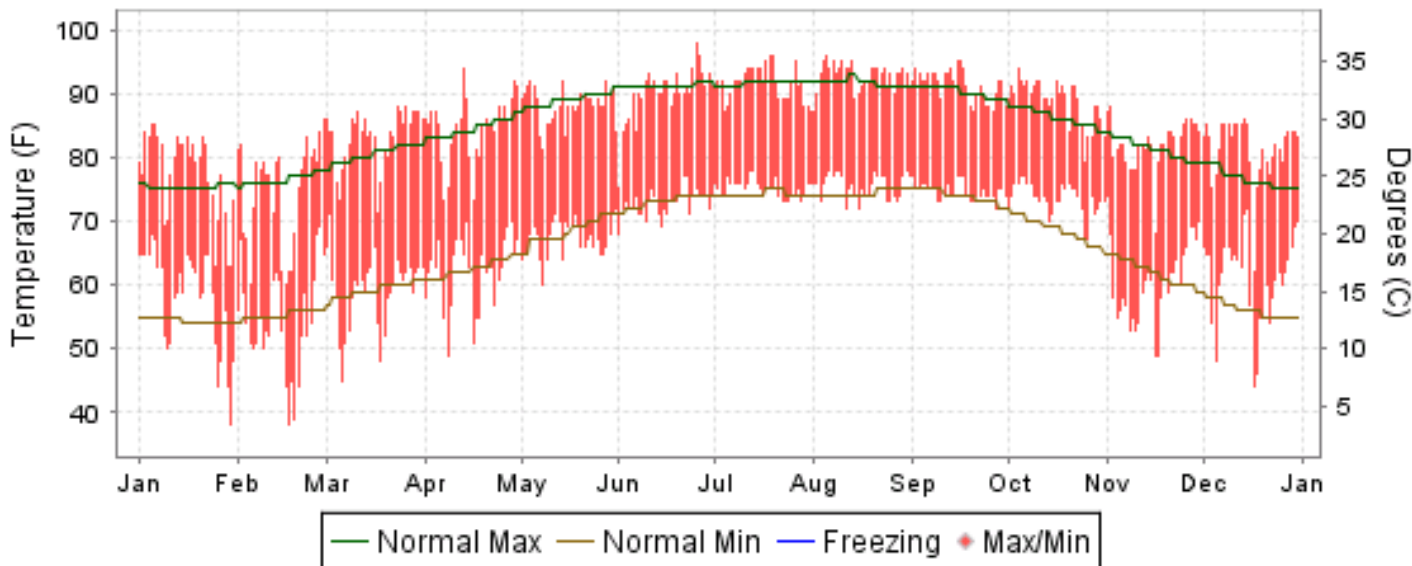


2007 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

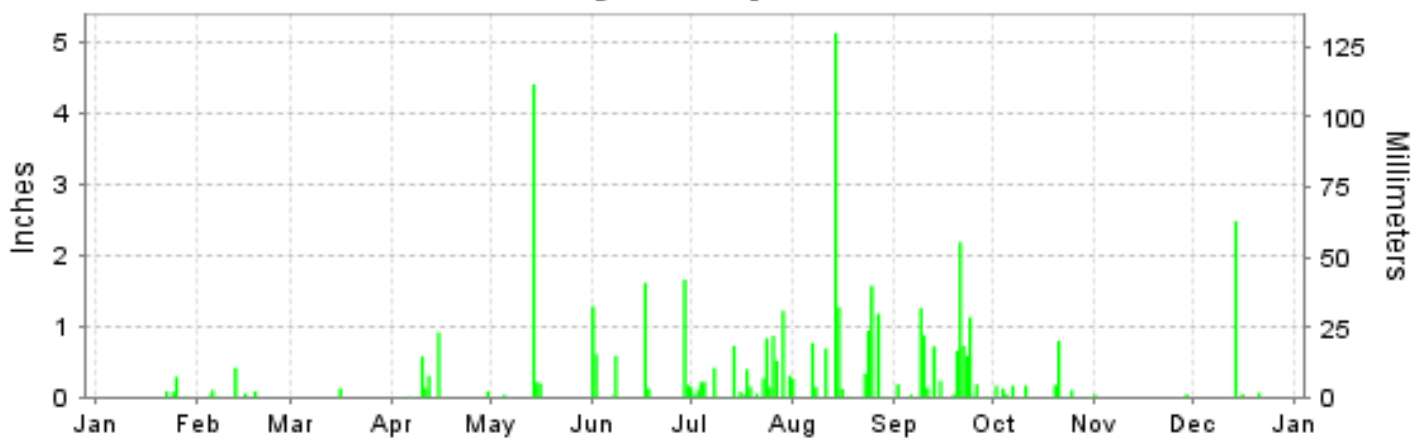
ISSN 0198-1234

FORT MYERS, FLORIDA (KFMY)

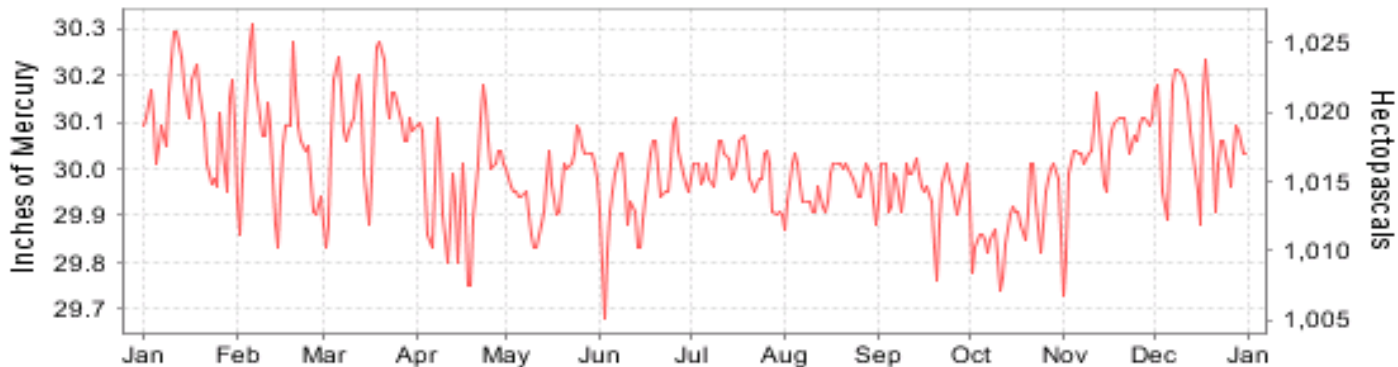
Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC DATA CENTER.

NATIONAL
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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 2007

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	77.4	74.6	83.1	84.5	88.1	90.1	91.6	92.8	91.4	88.8	82.0	81.3	85.5	
	HIGHEST DAILY MAXIMUM	85	86	88	94	92	98	96	96	95	94	88	86	98	
	DATE OF OCCURRENCE	06+	28	26+	13	28+	25	19+	05	16+	04	02	14	JUN 25	
	MEAN DAILY MINIMUM	58.1	54.5	59.2	62.2	67.3	72.8	75.1	75.5	74.7	73.5	60.5	61.1	66.2	
	LOWEST DAILY MINIMUM	38	38	45	49	60	68	73	72	72	67	49	44	38	
	DATE OF OCCURRENCE	30	17	06	08	08	01	28+	15+	27	26+	17+	17	FEB 17	
	AVERAGE DRY BULB	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	
	MEAN WET BULB	61.2	57.9	61.2	63.8	67.6	73.2	75.1	75.9	74.4	73.4	62.9	64.4	67.6	
	MEAN DEW POINT	56.6	52.8	54.2	57.7	62.3	69.7	72.1	72.7	71.3	70.4	58.0	60.6	63.2	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	3	10	23	22	29	23	16	0	0	126	
	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	58	80	11	7	0	0	0	0	0	0	7	18	181	
	COOLING DEGREE DAYS	151	77	211	265	400	500	575	600	547	508	200	220	4254	
RH	MEAN (PERCENT)	71	69	61	62	64	72	75	73	75	75	68	74	70	
	HOUR 01 LST	83	82	77	76	81	84	87	86	86	86	80	86	83	
	HOUR 07 LST	86	80	77	70	70	78	77	80	80	84	80	89	79	
	HOUR 13 LST	53	51	37	41	42	55	58	53	54	56	47	51	50	
	HOUR 19 LST	70	71	58	63	63	72	76	74	77	76	69	73	70	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	2	0	0	0	1	2	0	0	1	1	1	6	14	
	THUNDERSTORMS	0	0	0	2	2	3	14	9	9	3	0	0	42	
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	30.06	30.11	29.98	29.97	29.96	29.99	29.96	29.95	29.89	30.04	30.07	30.01	
	MEAN SEA-LEVEL PRESS. (IN.)	30.14	30.09	30.14	30.00	29.99	29.98	30.02	29.99	29.98	29.92	30.07	30.10	30.04	
WINDS	RESULTANT SPEED (MPH)	3.6	1.9	4.8	1.4	4.0	0.2	0.9	1.8	3.4	6.1	4.8	2.4	2.5	
	RES. DIR. (TENS OF DEGS.)	07	02	08	32	06	33	22	09	07	07	05	07	07	
	MEAN SPEED (MPH)	7.3	7.9	9.0	8.4	9.0	6.6	4.8	5.7	6.3	8.4	7.2	6.4	7.3	
	PREVAIL.DIR.(TENS OF DEGS.)	07	04	07	30	09	08	13	10	06	06	03	08	06	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	30	30	23	29	36	24	28	25	30	29	26	25	36	
	DIR. (TENS OF DEGS.)	29	30	10	24	34	25	08	06	07	02	04	31	34	
	DATE OF OCCURRENCE	28	18	20	12	14	02	27	11	24	21	01	16	MAY 14	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	38	36	29	38	56	33	35	33	37	38	35	30	56	
DIR. (TENS OF DEGS.)	29	30	13	24	34	17	07	12	10	02	01	30	34		
DATE OF OCCURRENCE	28	18	26	12	14	02	27	24	24	21	01	16	MAY 14		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	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	
	GREATEST 24-HOUR (IN.)	0.37	0.42	0.13	0.92	4.62	1.88	1.37	6.39	2.31	0.81	0.05	2.48	6.39	
	DATE OF OCCURRENCE	24-25	12	16	15	14-15	01-02	26-27	14-15	20-21	20-21	29	14	AUG 14-15	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	5	7	1	6	4	9	23	14	16	11	2	3	101	
PRECIPITATION 0.10	1	2	1	4	3	7	15	11	12	7	0	1	64		
PRECIPITATION 1.00	0	0	0	0	1	3	1	4	3	0	0	1	13		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)														
	GREATEST 24-HOUR (IN.)														
	DATE OF OCCURRENCE														
	NUMBER OF DAYS WITH:														
SNOWFALL >= 1.0															

NORMALS, MEANS, AND EXTREMES 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	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	75.3	76.5	80.5	84.5	89.1	91.2	91.7	91.7	90.3	86.3	81.3	76.6	84.6
	MEAN DAILY MAXIMUM	66	73.8	69.8	79.1	81.3	87.3	86.5	89.9	90.0	85.5	84.5	75.9	74.6	81.5
	HIGHEST DAILY MAXIMUM	9	90	88	90	94	96	98	100	96	95	94	90	86	100
	YEAR OF OCCURRENCE		2003	2001	2002	2007	2006	2007	1998	2007	2007	2007	2004	2007	JUL 1998
	MEAN OF EXTREME MAXS.	66	85.3	84.6	87.5	90.6	94.2	95.1	95.4	94.7	93.1	91.2	87.3	84.2	90.3
	NORMAL DAILY MINIMUM	30	54.5	55.4	59.3	62.7	68.4	73.1	74.2	74.4	73.9	68.6	62.1	56.2	65.2
	MEAN DAILY MINIMUM	66	53.8	50.6	58.1	60.7	66.9	69.4	73.4	73.3	70.4	67.9	58.0	55.1	63.1
	LOWEST DAILY MINIMUM	9	30	35	42	44	55	67	70	71	67	50	42	33	30
	YEAR OF OCCURRENCE		2001	2006	1999	2003	1999	1999	2002	2002	2006	2006	2000	2000	JAN 2001
	MEAN OF EXTREME MINS.	66	36.7	40.1	46.2	51.1	59.9	68.5	71.6	71.7	70.0	57.4	49.2	41.3	55.3
	NORMAL DRY BULB	30	64.9	66.0	69.9	73.6	78.8	82.2	83.0	83.1	82.1	77.5	71.7	66.4	74.9
	MEAN DRY BULB	66	63.8	60.3	68.6	71.0	77.1	78.0	81.6	81.6	78.0	76.2	67.0	64.9	72.3
	MEAN WET BULB	9	57.1	58.9	63.5	65.5	69.8	74.0	75.5	75.7	74.9	70.2	63.9	60.4	67.5
	MEAN DEW POINT	9	55.0	56.8	61.8	63.2	68.0	72.8	74.3	74.7	74.0	68.5	62.2	58.3	65.8
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.1	0.6	3.3	14.2	21.6	25.5	25.4	20.1	5.9	0.5	0.1	117.3
	MAXIMUM <= 32	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	MINIMUM <= 32	30	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6
MINIMUM <= 0	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
H/C	NORMAL HEATING DEG. DAYS	30	103	75	28	3	0	0	0	0	0	1	16	76	302
	NORMAL COOLING DEG. DAYS	30	97	99	174	260	423	516	564	568	518	394	222	122	3957
RH	NORMAL (PERCENT)	30	76	73	72	70	71	77	79	80	80	76	76	76	76
	HOURLY 01 LST	30	86	85	85	84	85	89	91	91	90	87	87	87	87
	HOURLY 07 LST	30	89	89	90	89	88	90	91	92	93	91	90	89	90
	HOURLY 13 LST	30	56	54	51	47	50	57	59	60	61	56	57	57	55
	HOURLY 19 LST	30	73	69	67	65	66	74	77	78	78	73	74	74	72
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH: HEAVY FOG (VISBY <= 1/4 MI)	9	3.9	3.1	1.5	0.8	0.3	1.5	0.8	1.5	0.7	0.9	1.2	2.8	19.0
	THUNDERSTORMS	9	0.9	0.8	2.1	1.6	4.5	16.1	17.5	16.2	10.3	2.2	0.6	0.6	73.4
CLOUDNESS	MEAN: SUNRISE-SUNSET (OKTAS)				4.0		4.0								
	MIDNIGHT-MIDNIGHT (OKTAS)														
	MEAN NO. DAYS WITH: CLEAR				12.0	14.0	12.0								
	PARTLY CLOUDY				14.0	12.0	13.0								
CLOUDY				5.0	3.0	6.0									
PR	MEAN STATION PRESSURE (IN)	9	30.12	30.10	30.02	30.01	29.98	29.99	30.01	29.98	29.91	29.96	30.04	30.09	30.02
	MEAN SEA-LEVEL PRES. (IN)	9	30.15	30.12	30.05	30.03	30.00	30.02	30.04	30.00	29.93	29.98	30.06	30.11	30.04
WINDS	MEAN SPEED (MPH)	9	7.1	7.4	8.1	8.1	7.3	6.1	5.3	5.6	6.7	7.4	7.1	7.1	6.9
	PREVAIL. DIR (TENS OF DEGS)	2	07	04	07	07	07	10	11	10	06	06	06	07	06
	MAXIMUM 2-MINUTE: SPEED (MPH)	9	37	31	31	36	38	48	35	50	41	62	30	35	62
	DIR. (TENS OF DEGS)		28	26	32	19	20	31	12	14	27	35	35	27	35
	YEAR OF OCCURRENCE		2000	2003	2001	2004	1999	1999	2005	2004	2004	2005	2002	2004	OCT 2005
	MAXIMUM 5-SECOND SPEED (MPH)	9	47	47	41	49	56	59	46	76	53	76	36	43	76
	DIR. (TENS OF DEGS)		28	27	23	18	34	30	14	17	27	34	29	28	34
YEAR OF OCCURRENCE		2000	2003	2000	2004	2007	1999	2005	2004	2004	2005	2005	2004	OCT 2005	
PRECIPITATION	NORMAL (IN)	30	2.23	2.10	2.74	1.67	3.42	9.77	8.98	9.54	7.86	2.59	1.71	1.58	54.19
	MAXIMUM MONTHLY (IN)	9	3.39	3.44	6.59	3.84	4.86	18.42	14.43	16.82	17.21	8.17	7.58	4.68	18.42
	YEAR OF OCCURRENCE		2004	2004	2005	2005	2007	2005	2006	2004	2003	2005	1998	2003	JUN 2005
	MINIMUM MONTHLY (IN)	9	0.36	0.11	0.13	0.01	0.20	4.52	2.92	7.74	4.51	0.57	0.09	.09	0.01
	YEAR OF OCCURRENCE		2006	2001	2007	2006	2001	2001	2003	2005	2004	1998	2007	2005	APR 2006
	MAXIMUM IN 24 HOURS (IN)	9	2.11	2.55	3.34	2.04	4.62	4.21	4.79	6.39	6.39	4.86	4.76	2.48	6.39
	YEAR OF OCCURRENCE		2003	2004	2005	2005	2007	2006	2006	2007	2000	2005	2002	2007	AUG 2007
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	6.1	5.5	6.1	4.3	6.6	14.7	18.6	18.5	14.5	7.8	5.3	4.9	112.9
PRECIPITATION >= 1.00	30	0.6	0.7	0.8	0.5	0.7	3.2	2.7	3.1	2.3	1.1	0.4	0.3	16.4	
SNOWFALL	NORMAL (IN)	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	MAXIMUM MONTHLY (IN)														
	YEAR OF OCCURRENCE														
	MAXIMUM IN 24 HOURS (IN)														
	YEAR OF OCCURRENCE														
	NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRECIPITATION (inches) 2007 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
POR= 66 YRS	1.63	1.95	2.31	2.26	3.83	9.63	8.55	8.64	8.19	3.69	1.48	1.53	53.69

WBAN : 12835

AVERAGE TEMPERATURE (°F) 2007 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
POR= 66 YRS	63.8	60.3	68.6	71.0	77.1	78.0	81.6	81.6	78.0	76.2	67.0	64.9	72.3

HEATING DEGREE DAYS (base 65°F) 2007 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-	0	0	0	0	7	18							

WBAN : 12835

COOLING DEGREE DAYS (base 65°F) 2007 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

SNOWFALL (inches) 2007 FORT MYERS (KFMY)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
2006-													
POR= 18 YRS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

WBAN : 12835

REFERENCE NOTES :

<p>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).</p> <p>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).</p> <p>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.</p>	<p>GENERAL CONTINUED: 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. 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.</p> <p>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.</p> <p>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.</p>
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2007

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.

Station Location

FORT MYERS

LOCATION	Occupied From	Occupied To	Airline Distances and Directions from previous Location	Latitude NORTH WEST		Longitude WEST		ELEVATION ABOVE								AUTOMATIC OBSERVING EQUIPMENT *	REMARKS
								SEA LEVEL	GROUND								
								GROUND TEMPERATURE SITE	WIND INSTRUMENT	EXTREME THERMOMETERS	PSYCHROMETER	SUNSHINE SWITCH	TIPPING BUCKET RAIN GAUGE	WEIGHING RAIN GAUGE	8 INCH RAIN GAUGE		
<u>AIRPORT</u> FAA-WB Building + Page Field + FAA Building (Effective 3/15/76)	12/7/59	10/01/95	3500 ft. SW	26° 35'	81° 52'	13 c15	20 d20	5 j	5 i5			5 f6 g3	3	b4 e4 h4	b. Commissioned 1980' NE of thermometer site 6/24/60. c. Effective 6/24/60. d. Moved 325' SSE 11/7/65. e. Moved 325' SSE 11/18/65. f. Fischer-Porter raingage installed 9/1/75, operated by NWS. Weighing raingage removed 10/1/75. FAA observations effective 3/15/76. g. (see f) Minor move 12/15/83. h. Type change 12/15/85. i. Minor move 12/15/85. j. Removed 12/15/85. k. closed 10/95 l. Reopened 03/01/98 ASOS Commissioned 06/10/98 m. Ground Elevation		
Page Field	10/01/95 03/01/98 06/10/98	03/01/98 06/10/98 Present	K 1 NA	26° 35' 26° 35'	81° 52' 81° 52'	m15								S			

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* NOTES: For earlier station history see previous editions.