

OCEANIC AND ENVIRONM ATMOSPHERIC ADMINISTRATION AND IN

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE NATIONAL CLIMATIC DATA CENTER ASHEVILLE, NORTH CAROLINA

DIRECTOR NATIONAL CLIMATIC DATA CENTER

## METEOROLOGICAL DATA FOR 2009 FORT MYERS (KFMY)

	LATITUDE: LONGITUDE: 26 ° 35'N -81 ° 51'W		G	ELEVA RND: 14	ATION (I BAR			,		IME ZO ASTERN		'C -5)	WBAN: 12835		
	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM HIGHEST DAILY MAXIMUM DATE OF OCCURRENCE MEAN DAILY MINIMUM LOWEST DAILY MINIMUM DATE OF OCCURRENCE AVERAGE DRY BULB MEAN WET BULB MEAN DEW POINT NUMBER OF DAYS WITH: MAXIMUM >= 90°	74.3 83 27+ 52.0 33 22 63.2 56.3 50.9 0	76.0 85 11 52.1 34 05 64.1 55.9 49.1 0	81.6 87 31+ 59.0 41 04 70.3 61.5 55.8 0	85.7 91 24+ 63.7 51 09+ 74.7 65.8 60.5 5	89.6 96 10 70.1 63 01 79.9 70.9 66.9 17	91.3 97 18 75.1 70 03 83.2 75.2 71.9 21	91.9 96 15 75.1 70 20 83.5 75.4 72.3 29	91.6 95 04+ 75.4 73 16+ 83.5 76.1 73.6 25	90.5 94 22 75.1 72 06 82.8 75.5 73.1 25	88.4 95 08 69.4 50 19 78.9 71.7 68.1 14	81.1 89 01 62.2 46 28 71.7 64.8 61.0 0	76.5 86 14+ 59.1 42 29 67.8 62.1 58.6 0	84.9 97 JUN 18 65.7 33 JAN 22 75.3 67.6 63.5 136	
	MAXIMUM <= 32° MINIMUM <= 32° MINIMUM <= 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 0 0	0 0 0	0 0 0	0 0 0	0 0 0	
H/C	HEATING DEGREE DAYS COOLING DEGREE DAYS	115 65	82 64	23 195	3 301	0 470	0 554	0 582	0 582	0 539	4 441	14 224	56 150	297 4167	
RH	MEAN (PERCENT) HOUR 01 LST HOUR 07 LST HOUR 13 LST HOUR 19 LST	69 80 84 48 69	64 79 77 40 64	65 81 79 42 62	65 80 73 43 66	70 84 75 51 73	72 85 75 59 74	74 87 76 56 75	78 91 82 60 80	79 91 84 61 80	73 85 84 53 73	73 83 84 54 74	76 84 84 60 76	72 84 80 52 72	
s	PERCENT POSSIBLE SUNSHINE														
0/M	NUMBER OF DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI) THUNDERSTORMS	2 0	4 0	0 1	2 1	1 10	0 9	1 14	3 24	1 17	0 1	0 0	2 1	16 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.) MEAN SEA-LEVEL PRESS. (IN.)	30.11 30.13	30.16 30.19	30.09 30.11	30.03 30.06	29.95 29.98	29.90 29.93	30.01 30.04	29.99 30.02	29.93 29.96	29.95 29.98	29.97 29.99	30.01 30.05	30.01 30.04	
SUNIW	RESULTANT SPEED (MPH) RES. DIR. (TENS OF DEGS.) MEAN SPEED (MPH) PREVAIL.DIR.(TENS OF DEGS.) MAXIMUM 2-MINUTE WIND SPEED (MPH) DIR. (TENS OF DEGS.) DATE OF OCCURRENCE MAXIMUM 3-SECOND WIND: SPEED (MPH) DIR. (TENS OF DEGS.)	1.5 03 6.8 03 33 28 07 39 25	1.9 06 7.5 05 26 33 04 31 18	2.4 11 7.7 07 28 28 01 37 18	1.3 15 8.4 09 31 17 14 40 17	1.0 20 6.6 12 37 09 14 46 09	3.1 27 6.2 29 37 03 18 49 02	1.4 23 4.9 13 29 34 20 36 23	1.5 11 4.5 09 28 04 27 37 05	1.5 07 4.5 08 28 30 03 36 30	1.1 04 5.6 12 26 27 16 35 27	3.0 03 6.6 06 26 10 08 35 11	2.6 06 7.5 05 28 30 19 38 21	0.7 07 6.4 08 37 03 JUN 18 49 02	
	DATE OF OCCURRENCE	07	02	28	14	14	18	01	27	03	16	08	18	JUN 18	
PRECIPITATION	WATER EQUIVALENT: TOTAL (IN.) GREATEST 24-HOUR (IN.) DATE OF OCCURRENCE NUMBER OF DAYS WITH: PRECIPITATION 0.01 PRECIPITATION 0.10 PRECIPITATION 1.00	0.30 0.14 13 4 1 0	0.27 0.26 02 2 1 0	0.65 0.37 29 3 2 0	0.29 0.28 14 2 1 0	6.42 2.98 13-14 14 9 2	5.43 1.72 24 13 10 2	4.29 1.35 01-02 13 6 1	9.56 3.61 11-12 18 13 4	4.95 1.32 12 17 9 1	2.77 2.15 16-17 7 2 1	1.18 0.62 11 2 2 0	3.77 2.68 04-05 5 4 1	39.88 3.61 AUG 11-12 100 60 12	
SNOWFALL	SNOW, ICE PELLETS, HAIL TOTAL (IN.) GREATEST 24-HOUR (IN.) DATE OF OCCURRENCE MAXIMUM SNOW DEPTH (IN.) DATE OF OCCURRENCE NUMBER OF DAYS WITH: SNOWFALL >= 1.0														

# NORMALS, MEANS, AND EXTREMES FORT MYERS (KFMY)

	LATITUDE: LONGITUDE: 26 ° 35'N -81 ° 51'W				EVATIO	N (FT): ARO: 18		,		TIME EAST	ZONE: ERN	(UTC -5)		WBAN: 12835	
	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
	NORMAL DAILY MAXIMUM MEAN DAILY MAXIMUM HIGHEST DAILY MAXIMUM	30 68 11	75.3 73.9 90	76.5 70.1 88	80.5 79.1 90	84.5 81.4 94	89.1 87.3 97	91.2 86.6 98	91.7 89.9 100	91.7 90.0 96	90.3 85.6 95	86.3 84.5 95	81.3 76.0 90	76.6 74.6 86	84.6 81.6 100
Ŧ	YEAR OF OCCURRENCE MEAN OF EXTREME MAXS.	68	2003 85.0	2001 84.6	2002 87.5	2007 90.5	2008 94.6	2007 95.3	1998 95.3	2007 94.8	2007 93.3	2009 91.4	2004 87.6	2009 84.5	JUL 1998 90.4
	NORMAL DAILY MINIMUM MEAN DAILY MINIMUM LOWEST DAILY MINIMUM	30 68 11	54.5 53.8 30	55.4 50.8 34	59.3 58.1 41	62.7 60.8 44	68.4 67.0 55	73.1 69.5 67	74.2 73.4 70	74.4 73.4 71	73.9 70.5 67	68.6 67.9 47	62.1 58.1 42	56.2 55.2 33	65.2 63.2 30
TEMPERATURE	YEAR OF OCCURRENCE MEAN OF EXTREME MINS. NORMAL DRY BULB	68 30	2001 35.9 64.9	2009 39.9 66.0	2009 45.8 69.9	2003 51.1 73.6	1999 60.2 78.8	2008 68.5 82.2	2009 71.4 83.0	2002 72.0 83.1	2006 70.0 82.1	2008 55.9 77.5	2008 48.3 71.7	2000 41.3 66.4	JAN 2001 55.0 74.9
TEN	MEAN DRY BULB MEAN WET BULB MEAN DEW POINT NORMAL NO DAYS WITH	68 11 11	63.8 56.2 55.4	60.5 57.9 57.3	68.6 62.4 61.9	71.1 64.6 63.6	77.2 69.1 68.4	78.2 73.5 73.1	81.7 74.9 74.4	81.7 75.3 74.9	78.1 74.5 74.2	76.3 69.6 68.8	67.1 62.8 62.2	65.0 59.9 58.9	72.4 66.7 66.1
	NORMAL NO. DAYS WITH: MAXIMUM >= 90 MAXIMUM <= 32 MINIMUM <= 32	30 30 30	$0.0 \\ 0.0 \\ 0.4 \\ 0.2$	0.1 0.0 0.1	0.6 0.0 0.0	3.3 0.0 0.0	14.2 0.0 0.0	21.6 0.0 0.0	25.5 0.0 0.0	25.4 0.0 0.0	20.1 0.0 0.0	5.9 0.0 0.0	0.5 0.0 0.0	0.1 0.0 0.1	117.3 0.0 0.6
H/C	MINIMUM <= 0 NORMAL HEATING DEG. DAYS NORMAL COOLING DEG. DAYS	30 30 30	0.0 103 97	0.0 75 99	0.0 28 174	$\begin{array}{r} 0.0\\ 3\\ 260 \end{array}$	0.0 0 423	0.0 0 516	0.0 0 564	0.0 0 568	0.0 0 518	0.0 1 394	0.0 16 222	0.0 76 122	0.0 302 3957
RH	NORMAL (PERCENT) HOUR 01 LST HOUR 07 LST	30 30 30	76 86 89	73 85 89	72 85 90	70 84 89	71 85 88	77 89 90	79 91 91	80 91 92	80 90 93	76 87 91	76 87 90	76 87 89	76 87 90
s	HOUR 13 LST HOUR 19 LST PERCENT POSSIBLE SUNSHINE	30 30	56 73	54 69	51 67	47 65	50 66	57 74	59 77	60 78	61 78	56 73	57 74	57 74	55 72
0/M	MEAN NO. DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI) THUNDERSTORMS	11 11	3.6 0.7	2.9 0.8	1.3 2.1	0.9 1.7	0.3 4.7	1.3 15.8	0.9 17.2	1.5 16.5	0.7 10.6	0.9 2.0	1.0 0.5	2.6 0.6	17.9 73.2
CLOUDNESS	MEAN: SUNRISE-SUNSET (OKTAS) MIDNIGHT-MIDNIGHT (OKTAS) MEAN NO. DAYS WITH: CLEAR PARTLY CLOUDY CLOUDY														
PR	MEAN STATION PRESSURE(IN) MEAN SEA-LEVEL PRES. (IN)	11 11	30.12 30.15	30.10 30.12	30.03 30.05	30.01 30.03	29.97 30.00	29.98 30.01	30.01 30.04	29.97 30.00	29.91 29.93	29.96 29.99	30.03 30.06	30.09 30.11	30.02 30.04
	MEAN SPEED (MPH) PREVAIL.DIR(TENS OF DEGS) MAXIMUM 2-MINUTE:	11 4	7.1 07	7.4 05	8.1 07	8.1 07	7.3 09	6.1 10	5.3 10	5.6 10	6.6 06	7.3 06	7.1 04	7.1 08	6.9 06
MINDS	SPEED (MPH) DIR. (TENS OF DEGS) YEAR OF OCCURRENCE MAXIMUM 3-SECOND	11	37 28 2000	31 26 2003	32 31 2008	36 19 2004	38 20 1999	48 31 1999	35 12 2005	50 14 2004	41 27 2004	62 35 2005	30 35 2002	35 27 2004	62 35 OCT 2005
M	SPEED (MPH) DIR. (TENS OF DEGS) YEAR OF OCCURRENCE	11	47 28 2000	47 27 2003	41 23 2000	49 18 2004	56 34 2007	59 30 1999	55 25 2008	76 17 2004	53 27 2004	76 34 2005	39 19 2008	43 28 2004	76 34 OCT 2005
NO	NORMAL (IN) MAXIMUM MONTHLY (IN) YEAR OF OCCURRENCE MINIMUM MONTHLY (IN)	30 11 11	2.23 3.39 2004 0.30	2.10 3.44 2004 0.11	2.74 6.59 2005 0.13	1.67 3.84 2005 0.01	3.42 6.42 2009 0.20	9.77 18.42 2005 4.52	8.98 14.43 2006 2.92	9.54 16.82 2004 7.74	7.86 17.21 2003 4.51	2.59 8.17 2005 0.57	1.71 7.58 1998 0.09	1.58 4.68 2003 .09	54.19 18.42 JUN 2005 0.01
PRECIPITATION	YEAR OF OCCURRENCE MAXIMUM IN 24 HOURS (IN) YEAR OF OCCURRENCE	11	2009 2.11 2003	2001 2.55 2004	2007 3.34 2005	2006 2.04 2005	2001 4.62 2007	2001 4.21 2006	2003 5.07 2008	2005 6.39 2007	2004 6.39 2000	1998 4.86 2005	2008 4.76 2002	2005 2.68 2009	APR 2006 6.39 AUG 2007
PRE	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01 PRECIPITATION >= 1.00	30 30	6.1 0.6	5.5 0.7	6.1 0.8	4.3 0.5	6.6 0.7	14.7 3.2	18.6 2.7	18.5 3.1	14.5 2.3	7.8 1.1	5.3 0.4	4.9 0.3	112.9 16.4
SNOWFALL	NORMAL (IN) MAXIMUM MONTHLY (IN) YEAR OF OCCURRENCE MAXIMUM IN 24 HOURS (IN) YEAR OF OCCURRENCE' MAXIMUM SNOW DEPTH (IN) YEAR OF OCCURRENCE NORMAL NO. DAYS WITH:	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
S	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) 2009 FORT MYERS (KFMY)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1000			5 40	1 17	0.54	c 50	10.01	0.60	10.50	0.57	7.50	1.07	
1998 1999	2.34	0.19	5.40 0.85	1.17 0.66	2.56 3.46	6.53 10.90	10.01 8.04	8.69 9.41	13.59 8.29	0.57 1.83	7.58 1.53	1.07 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	Т	0.45	48.84
2001 2002	Т 2.13	T 0.96	1.97 0.19	0.52 1.64	0.20 2.34	4.52 7.89	13.94 7.15	10.32 12.63	14.14 6.82	2.21 1.05	0.41 5.67	1.84 3.58	50.07 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 2005	3.39 0.45	3.44 3.37	0.36 6.59	3.65 3.84	0.47 2.62	15.07 18.42	10.35 12.60	16.82 7.74	4.51 6.82	0.70 8.17	1.10 3.75	1.97 0.09	61.83 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 2008	0.49 1.31	0.74 2.25	0.13 1.57	2.06 3.03	4.86 0.81	6.10 7.14	6.85 13.19	12.47 10.33	9.04 14.86	1.81 3.43	0.09 0.09	2.60 2.07	47.24 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
00 110	1.01	1.75	2.20	2.27	5.02	7.55	0.55	0.00	0.24	5.00	1.45		N : 12835

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	ANNUAL
1998	66.4	(57	67.7	73.6	79.6	84.5	84.0	83.8	81.6	78.7	73.5	69.8	74.2
1999 2000	66.4 63.7	65.7 65.2	67.2 71.9	75.4 71.9	77.1 79.1	80.2 81.6	82.6 82.4	83.1 81.9	81.1 81.7	77.0 74.6	69.8 68.9	65.4 64.1	74.3 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 2003	65.6 58.0	65.2 67.8	72.5 74.9	76.9 73.6	79.8 80.5	81.1 82.1	82.2 83.0	82.3 82.4	82.4 81.8	79.4 78.5	68.7 73.5	63.7 62.6	75.0 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 2006	64.9 65.7	66.0 63.8	68.0 69.5	70.8 75.7	77.4 78.7	80.4 82.5	84.0 82.1	84.4 83.3	82.6 82.1	77.4 76.8	72.5 69.4	64.3 70.9	74.4 75.0
2007 2008	67.8 65.3	64.6 70.8	71.2 71.0	73.4 74.5	77.7 80.5	81.5 82.7	83.4 82.5	84.2 84.0	83.1 82.0	81.2 75.8	71.3 67.3	71.2 67.5	75.9 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

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YEAR	JUL	AUG	SEP	ОСТ	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	ŏ	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	Õ	0	Ő	4	0	45	104	53	11	0	0	Ő	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	$0 \\ 7$	0	0	287
2006-07 2007-08	0 0	0 0	$\begin{array}{c} 0\\ 0\end{array}$	3 0	$40 \\ 7$	22 18	58 78	80 18	11 9	7 6	$\begin{array}{c} 0\\ 0\end{array}$	00	221 136
2007-08	0	0	0	13	47	37	115	82	23	3	0	0 0	320
2009-	Ŏ	Ő	Ő	4	14	56				-	-	Ť	

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

WBAN : 12835

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

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

#### SNOWFALL (inches) 2009 FORT MYERS (KFMY)

YEAR	JUL	AUG	SEP	ОСТ	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	ΤΟΤΑΙ
POR=													
													N : 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 IULY 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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