

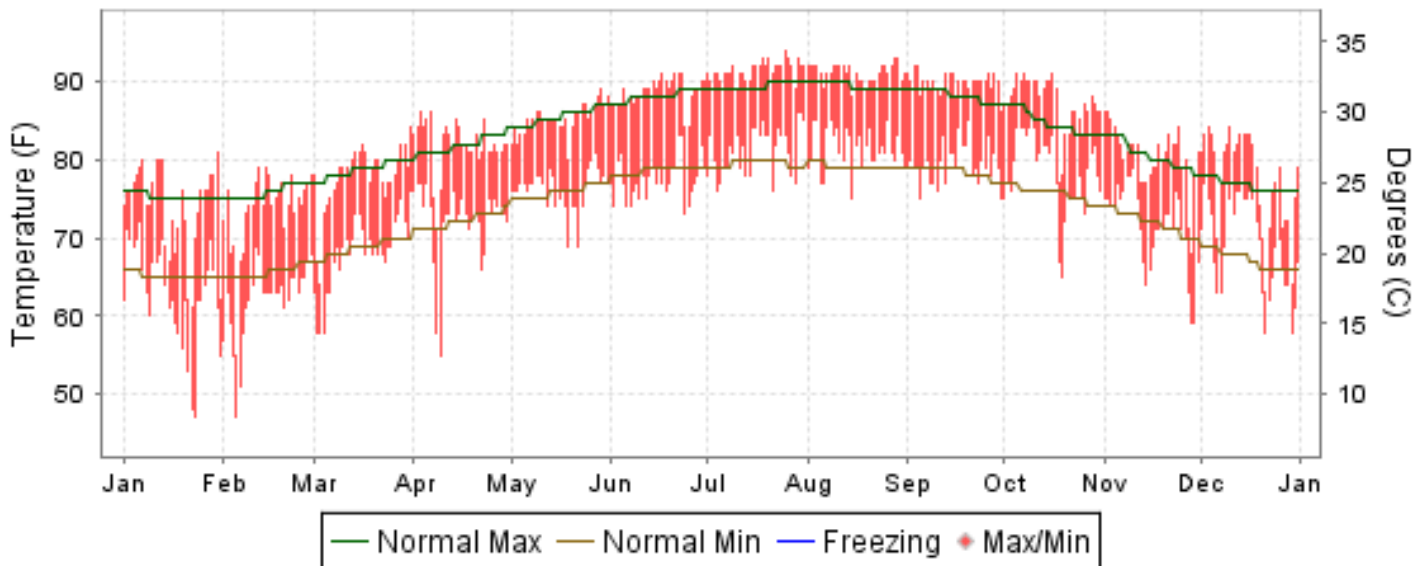


# 2009 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

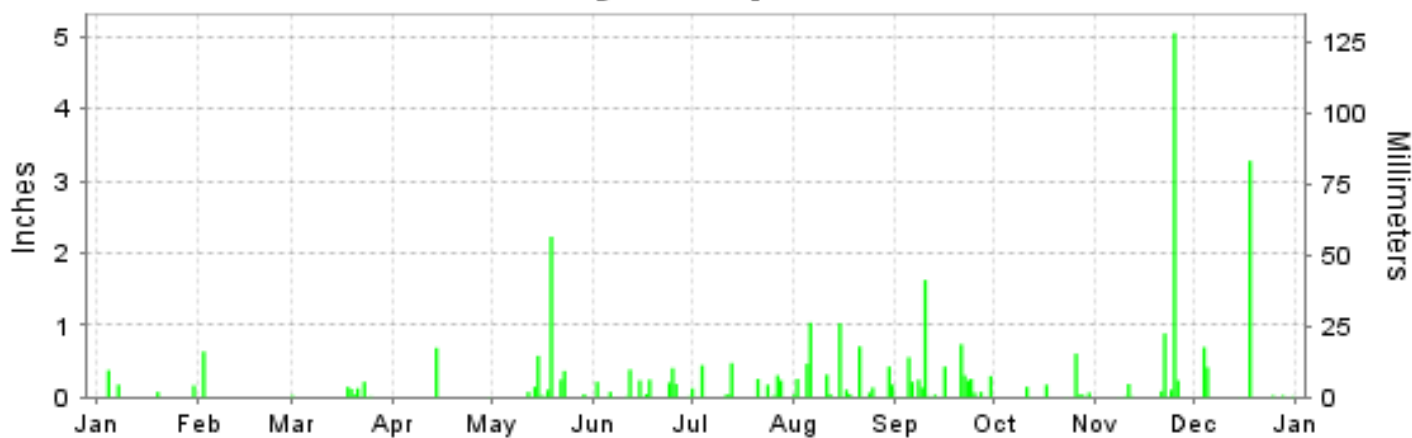
ISSN 0198-1250

## KEY WEST, FLORIDA (KEYW)

### Daily Max/Min Temperature



### Daily Precipitation



### Daily Station Pressure



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NATIONAL  
CLIMATIC DATA CENTER  
ASHEVILLE, NORTH CAROLINA

*Thomas R. Karl*  
DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

# METEOROLOGICAL DATA FOR 2009

## KEY WEST (KEYW)

LATITUDE: 24° 33'N      LONGITUDE: -81° 45'W      ELEVATION (FT): GRND: 5      BARO: 21      TIME ZONE: EASTERN (UTC -5)      WBAN: 12836

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	74.0	73.6	77.8	81.9	85.1	88.6	91.5	91.1	89.8	87.1	80.4	77.6	83.2	
	HIGHEST DAILY MAXIMUM	81	79	84	86	89	91	94	93	92	91	86	84	94	
	DATE OF OCCURRENCE	30	14+	31	06+	29	23+	25	29+	04+	16+	02+	10+	JUL 25	
	MEAN DAILY MINIMUM	62.9	62.0	68.2	72.0	76.2	77.5	81.2	81.5	79.5	78.3	71.4	69.2	73.3	
	LOWEST DAILY MINIMUM	47	47	58	55	69	73	76	75	75	65	59	58	47	
	DATE OF OCCURRENCE	23	05	04+	09	19	24	21+	15	30+	19	29+	29+	FEB 05	
	AVERAGE DRY BULB	68.5	67.8	73.0	77.0	80.7	83.1	86.4	86.3	84.7	82.7	75.9	73.4	78.3	
	MEAN WET BULB	63.0	62.1	66.5	70.2	74.1		78.5	78.6	78.0	75.9	70.0	69.0		
	MEAN DEW POINT	59.5	58.2	62.6	66.4	71.0		75.2	75.5	75.1	72.6	66.6	66.3		
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	0	10	29	28	21	10	0	0	0	98
	MAXIMUM <= 32°	0	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	0	
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
H/C	HEATING DEGREE DAYS	31	26	6	0	0	0	0	0	0	0	1	8	72	
	COOLING DEGREE DAYS	144	111	261	367	492	548	669	668	596	557	335	275	5023	
RH	MEAN (PERCENT)	74	74	72	71	73	73	70	70	73	72	74	80	73	
	HOUR 01 LST	81	79	78	77	79	77	76	74	78	76	80	83	78	
	HOUR 07 LST	78	79	76	72	74	73	70	71	74	74	79	84	75	
	HOUR 13 LST	66	65	64	64	67	68	64	65	68	66	67	73	66	
	HOUR 19 LST	77	75	73	72	74	74	70	72	75	74	73	81	74	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	0	2	0	0	0	0	0	0	0	0	0	1	3	
	THUNDERSTORMS	0	0	0	1	5	5	10	6	11	1	1	1	41	
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.)	30.09	30.15	30.08	30.03	29.96	29.92	30.02	29.98	29.93	29.94	29.95	30.00	30.00	
	MEAN SEA-LEVEL PRESS. (IN.)	30.12	30.17	30.10	30.06	29.98	29.95	30.04	30.01	29.95	29.97	29.98	30.03	30.03	
WINDS	RESULTANT SPEED (MPH)	5.9	7.4	7.3	5.4	6.1	1.4	3.3	5.9	3.1	5.2	6.8	4.6	4.3	
	RES. DIR. (TENS OF DEGS.)	04	04	08	10	13	21	11	11	10	08	04	06	08	
	MEAN SPEED (MPH)	10.2	11.2	11.8	11.4	9.6	7.1	6.9	8.2	6.7	8.7	10.8	10.3	9.4	
	PREVAIL.DIR.(TENS OF DEGS.)	02	04	10	09	10	22	10	10	10	10	01	04	09	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	29	25	31	26	30	31	26	32	26	26	29	40	40	
	DIR. (TENS OF DEGS.)	01	01	33	31	12	34	01	04	06	22	12	23	23	
	DATE OF OCCURRENCE	31	05	01	07	16	02	21	05	08	26	09	18	18	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	37	32	39	35	40	36	33	38	36	31	37	48	48	
DIR. (TENS OF DEGS.)	01	01	32	31	13	01	01	04	09	22	12	23	23		
DATE OF OCCURRENCE	31	05	01	07	15	18	21	05	24	26	09	18	18		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	0.81	0.65	0.72	0.70	3.87	2.10	2.16	4.91	5.31	1.11	6.63	4.49	33.46	
	GREATEST 24-HOUR (IN.)	0.38	0.65	0.27	0.69	2.34	0.41	0.55	1.27	1.76	0.63	5.16	3.28	5.16	
	DATE OF OCCURRENCE	04	02-03	18-19	14	18-19	25	27-28	05-06	09-10	26-27	24-25	18	18	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	4	2	8	2	10	13	10	15	17	8	10	7	106	
PRECIPITATION 0.10	3	1	4	1	6	7	7	10	11	3	5	3	61		
PRECIPITATION 1.00	0	0	0	0	1	0	0	2	1	0	1	1	6		
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

## KEY WEST (KEYW)

LATITUDE: 24 ° 33'N
LONGITUDE: -81 ° 45'W
ELEVATION (FT):  
GRND: 5 BARO: 21
TIME ZONE:  
EASTERN (UTC -5)
WBAN: 12836

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	75.3	75.9	78.8	81.9	85.4	88.1	89.4	89.5	88.2	84.7	80.6	76.7	82.9	
	MEAN DAILY MAXIMUM	58	74.9	75.9	78.9	81.7	85.2	87.9	89.4	89.6	88.2	84.7	80.0	76.3	82.7	
	HIGHEST DAILY MAXIMUM	57	86	85	88	90	91	94	95	95	95	93	89	86	95	
	YEAR OF OCCURRENCE		1991	1991	1994	1991	2008	1952	1951	1957	2007	1962	1988	1994	1994	SEP 2007
	MEAN OF EXTREME MAXS.	58	81.7	82.2	84.3	86.1	88.7	90.7	91.9	92.1	91.0	88.9	85.4	82.5	87.1	
	NORMAL DAILY MINIMUM	30	65.2	65.7	68.8	72.1	75.9	78.7	79.6	79.2	78.5	75.7	71.9	67.3	73.2	
	MEAN DAILY MINIMUM	58	64.8	65.7	68.9	72.0	75.7	78.3	79.6	79.4	78.3	75.7	71.3	66.8	73.0	
	LOWEST DAILY MINIMUM	57	41	45	47	48	64	68	69	68	69	60	49	44	41	
	YEAR OF OCCURRENCE		1981	1996	1986	1987	1992	1961	1952	1952	1985	1957	1959	1989	1989	JAN 1981
	MEAN OF EXTREME MINS.	58	52.4	54.3	58.4	63.5	69.7	72.6	73.8	73.3	73.3	69.3	61.6	55.3	64.8	
	NORMAL DRY BULB	30	70.3	70.8	73.8	77.0	80.7	83.4	84.5	84.4	83.4	80.2	76.3	72.0	78.1	
	MEAN DRY BULB	58	69.8	70.8	73.9	76.9	80.4	83.2	84.5	84.5	83.3	80.2	75.6	71.5	77.9	
	MEAN WET BULB	26	64.4	65.5	67.1	69.1	73.1	76.6	77.2	77.5	77.0	74.0	70.1	66.5	71.5	
	MEAN DEW POINT	26	62.2	63.2	64.8	66.6	71.0	74.7	75.4	75.6	75.4	72.2	67.9	64.4	69.5	
	NORMAL NO. DAYS WITH:															
	MAXIMUM >= 90	30	0.0	0.0	0.0	0.1	0.8	7.4	15.2	16.0	7.6	0.5	0.0	0.0	47.6	
	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	0.0	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 <= 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	24	18	6	0	0	0	0	0	0	0	0	14	62	
	NORMAL COOLING DEG. DAYS	30	172	183	277	361	485	552	604	600	550	473	340	233	4830	
RH	NORMAL (PERCENT)	30	77	75	74	71	73	74	73	74	76	76	77	77	75	
	HOURLY 01 LST	30	81	79	78	76	78	78	77	78	80	80	81	81	79	
	HOURLY 07 LST	30	82	81	80	77	77	78	77	79	81	82	83	82	80	
	HOURLY 13 LST	30	69	67	66	64	66	68	67	68	70	69	70	70	68	
	HOURLY 19 LST	30	77	75	73	71	72	73	72	73	76	75	77	77	74	
S	PERCENT POSSIBLE SUNSHINE	37	74	77	82	84	82	76	77	76	72	71	71	71	76	
W/O	MEAN NO. DAYS WITH:															
	HEAVY FOG(VISBY <= 1/4 MI) THUNDERSTORMS	46 58	0.4 1.0	0.3 1.2	0.0 1.8	0.1 1.8	0.0 3.9	0.2 9.4	0.1 12.4	0.2 13.8	0.3 11.2	0.2 4.1	0.1 1.2	0.4 0.9	2.3 62.7	
CLOUDNESS	MEAN:															
	SUNRISE-SUNSET (OKTAS)	44	4.1	3.8	3.7	3.6	4.1	5.0	5.0	5.0	5.2	4.4	4.0	4.0	4.3	
	MIDNIGHT-MIDNIGHT (OKTAS)	32	3.7	3.6	3.3	3.2	3.8	4.6	4.7	4.7	5.0	4.0	3.6	3.6	4.0	
	MEAN NO. DAYS WITH:															
	CLEAR	44	11.2	12.0	13.1	13.2	10.0	5.0	3.4	3.3	2.7	8.7	10.5	10.9	104.0	
PARTLY CLOUDY	44	11.1	9.8	11.5	11.2	13.3	14.0	16.2	16.6	15.2	12.9	11.1	11.3	154.2		
CLOUDY	44	8.7	6.5	6.5	5.6	7.7	11.0	11.4	11.1	12.1	9.4	8.4	8.8	107.2		
PR	MEAN STATION PRESSURE(IN)	26	30.09	30.07	30.03	29.99	29.97	29.98	30.02	29.98	29.93	29.95	30.01	30.07	30.01	
	MEAN SEA-LEVEL PRES. (IN)	26	30.11	30.09	30.05	30.02	29.99	30.00	30.04	30.00	29.95	29.97	30.03	30.09	30.03	
WINDS	MEAN SPEED (MPH)	26	11.1	10.9	11.3	11.1	10.0	9.1	8.7	8.5	9.1	10.5	11.6	10.9	10.2	
	PREVAIL.DIR(TENS OF DEGS)	30	05	05	12	12	12	12	12	12	12	06	05	05	12	
	MAXIMUM 2-MINUTE:															
	SPEED (MPH)	13	35	57	35	44	37	40	61	61	62	71	46	40	71	
	DIR. (TENS OF DEGS)		31	12	33	35	28	18	12	18	12	15	18	23	15	
	YEAR OF OCCURRENCE		2006	1998	2003	2003	2005	2006	2005	2005	2005	2005	1998	2009	OCT 2005	
	MAXIMUM 3-SECOND															
	SPEED (MPH)	13	47	68	41	55	48	48	74	74	76	83	55	48	83	
DIR. (TENS OF DEGS)		30	12	33	34	28	18	12	17	12	15	18	23	15		
YEAR OF OCCURRENCE		2006	1998	2003	2003	2005	2006	2005	2005	2005	2005	1998	2009	OCT 2005		
PRECIPITATION	NORMAL (IN)	30	2.22	1.51	1.86	2.06	3.48	4.57	3.27	5.40	5.45	4.34	2.64	2.14	38.94	
	MAXIMUM MONTHLY (IN)	61	17.64	4.87	9.69	12.83	12.90	14.43	11.69	13.49	18.45	21.57	27.67	11.18	27.67	
	YEAR OF OCCURRENCE		1983	1998	1987	1948	1960	1972	1970	2005	1963	1969	1980	1986	NOV 1980	
	MINIMUM MONTHLY (IN)	61	T	0.02	T	0.00	0.12	0.33	0.44	1.20	1.70	0.74	T	.05	0.00	
	YEAR OF OCCURRENCE		1990	1948	1971	1959	1945	1994	1993	2007	1951	1972	1995	2005	APR 1959	
	MAXIMUM IN 24 HOURS (IN)	61	10.32	2.85	5.31	6.55	8.89	6.17	4.25	9.67	6.65	8.47	23.28	6.99	23.28	
	YEAR OF OCCURRENCE		1983	1998	1987	1985	1960	1982	2005	2005	1963	1971	1980	1986	NOV 1980	
	NORMAL NO. DAYS WITH:															
	PRECIPITATION >= 0.01	30	6.5	5.6	5.0	4.7	7.6	11.0	11.7	14.5	15.6	10.4	6.5	6.5	105.6	
PRECIPITATION >= 1.00	30	0.5	0.4	0.4	0.6	1.1	1.3	0.8	1.6	1.3	1.0	0.6	0.6	10.2		
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)	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	
	YEAR OF OCCURRENCE															
	MAXIMUM IN 24 HOURS (IN)	48	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	
	YEAR OF OCCURRENCE															
	MAXIMUM SNOW DEPTH (IN)	44	0	0	0	0	0	0	0	0	0	0	0	0	0	
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) 2009 KEY WEST (KEYW)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1980	0.98	0.92	0.83	2.84	2.14	2.58	6.65	6.38	6.01	2.95	27.67	0.47	60.42
1981	0.46	2.27	0.84	0.39	0.55	0.90	1.15	8.88	6.68	1.39	3.50	0.07	27.08
1982	0.38	1.68	3.44	1.74	5.78	8.95	1.94	2.61	6.36	2.27	1.20	0.30	36.65
1983	17.64	3.48	6.57	1.88	2.24	3.82	4.64	2.79	2.25	1.20	0.91	4.97	52.39
1984	0.10	4.07	2.18	4.16	5.79	7.09	3.29	2.59	8.11	1.32	1.15	0.10	39.95
1985	0.32	0.29	2.15	10.60	4.39	0.57	3.64	5.92	6.42	3.04	2.62	2.28	42.24
1986	1.26	2.02	0.99	0.93	0.91	5.37	4.48	5.66	4.58	2.52	0.92	11.18	40.82
1987	0.89	0.57	9.69	0.20	2.39	4.35	3.07	3.87	6.88	8.39	5.84	2.76	48.90
1988	4.78	0.46	1.68	0.64	8.12	3.60	5.78	6.29	3.48	0.76	0.78	0.19	36.56
1989	0.44	0.33	1.05	1.37	2.91	1.80	5.90	3.30	3.15	2.70	6.54	1.67	31.16
1990	T	1.05	0.75	1.37	5.54	0.94	4.09	8.01	5.29	5.14	2.93	1.32	36.43
1991	2.24	0.27	2.90	1.45	8.07	8.42	2.21	2.23	5.39	7.12	0.13	0.72	41.15
1992	0.28	1.22	2.81	1.42	1.60	11.77	1.07	3.82	7.15	2.04	3.83	0.08	37.09
1993	7.95	0.33	1.43	1.78	4.41	1.71	0.44	3.81	5.75	6.01	0.22	2.22	36.06
1994	2.32	2.28	0.34	2.44	3.13	0.33	1.91	8.97	13.00	6.29	1.30	4.52	46.83
1995	4.23	0.11	1.85	2.16	0.66	7.89	2.87	2.87	4.42	8.73	T	2.93	38.72
1996	0.88	0.24	1.85	2.81	2.60	3.21	3.18	6.48	6.55	11.87	.12	1.44	41.23
1997	3.75	0.63	1.87	2.62	1.00	4.84	6.90	3.63	6.50	1.15	2.15	4.41	39.45
1998	2.42	4.87	3.13	1.01	0.86	0.86	1.12	3.37		4.78	2.29	1.60	
1999	2.20	1.88	0.71	1.24	2.99	5.97	1.99	9.55	7.72	12.55	0.42	0.65	47.87
2000	0.50	0.66	1.48	2.22	1.27	3.47	3.87	8.84	4.02	6.04	0.57	1.96	34.90
2001	0.31	0.11	1.96	3.18	2.40	2.39	6.82	6.12	10.01	7.27	2.82	3.56	46.95
2002	0.09	2.06	1.19	0.11	5.16	4.94	4.96	6.71	8.30	2.92	1.00	4.06	41.50
2003	0.40	1.29	3.10	5.20	2.68	6.42	1.57	5.07	5.69	2.05	3.50	1.03	38.00
2004	2.50	2.71	0.47	2.69	0.83	2.33	3.50	4.25	6.09	1.72	2.27	0.75	30.11
2005	1.55	0.20	3.76	2.99	1.25	6.35	6.36	13.49	7.35	4.64	5.74	0.05	53.73
2006	0.23	0.71	0.05	0.01	4.30	6.04	6.46	4.04	6.86	2.92	3.21	4.82	39.65
2007	0.65	1.39	0.63	2.16	2.82	4.21	3.22	1.20	9.31	11.25	0.70	0.80	38.34
2008	0.51	2.23	1.56	1.49	0.86	0.63	1.85	6.52	8.12	12.12	2.60	0.89	39.38
2009	0.81	0.65	0.72	0.70	3.87	2.10	2.16	4.91	5.31	1.11	6.63	4.49	33.46
POR= 58 YRS	1.97	1.52	1.67	1.96	3.07	4.59	3.65	5.31	6.51	5.00	2.48	2.07	39.80

WBAN : 12836

**AVERAGE TEMPERATURE (°F) 2009 KEY WEST (KEYW)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1980	70.9	66.5	75.2	77.7	81.3	83.8	84.7	85.0	84.4	81.6	75.7	68.5	77.9
1981	61.3	69.1	71.0	78.5	81.0	85.1	85.8	84.0	83.0	81.5	73.9	70.5	77.1
1982	71.3	75.9	77.1	80.8	80.1	83.1	85.5	83.9	82.3	78.9	75.4	73.4	79.0
1983	67.6	68.3	69.7	74.0	78.8	82.1	83.4	83.9	82.7	80.5	75.7	72.7	76.6
1984	68.6	70.8	72.7	76.4	80.8	81.2	82.9	83.5	81.5	80.1	74.7	74.1	77.3
1985	67.0	71.8	75.3	76.3	81.4	85.1	83.3	84.0	82.2	82.1	78.2	69.0	78.0
1986	67.8	72.0	71.5	74.3	80.1	83.5	85.2	83.7	83.5	81.5	80.6	75.0	78.2
1987	68.9	71.8	73.0	71.2	80.2	84.5	85.1	85.3	84.9	77.1	75.9	71.5	77.5
1988	69.1	68.4	71.9	76.6	77.9	82.5	84.2	84.2	83.6	79.8	78.5	71.4	77.3
1989	74.1	72.1	74.3	78.2	81.7	83.9	83.9	85.4	85.1	80.4	77.0	67.3	78.6
1990	73.2	75.5	75.0	76.6	81.7	84.4	84.7	85.6	83.8	80.9	75.6	74.6	79.3
1991	75.5	72.9	75.7	80.5	82.2	83.8	85.7	85.5	83.8	80.2	74.4	72.9	79.4
1992	69.6	72.5	73.4	75.6	77.8	83.5	85.0	85.1	83.1	79.6	77.9	72.8	78.0
1993	74.5	70.7	71.9	74.3	79.2	83.8	85.9	85.3	83.9	81.2	77.1	70.9	78.2
1994	70.3	74.6	74.6	79.2	81.6	85.3	84.4	83.5	82.6	80.5	78.0	73.8	79.0
1995	69.1	69.4	73.9	78.4	83.5	83.2	84.8	85.3	84.2	81.8	75.4	69.2	78.2
1996	68.6	67.4	69.9	75.8	80.7	82.6	84.8	83.7	83.5	79.0	75.6	72.5	77.0
1997	70.9	75.1	77.5	77.5	82.0	83.2	84.0	84.4	81.9	79.0	75.6	70.6	78.5
1998	70.7	70.7	70.6	76.5	79.8	85.1	85.8	84.6	81.1	77.3	75.0	75.0	
1999	72.2	71.4	71.9	78.4	80.4	82.8	84.1	84.0	83.4	79.8	74.8	72.1	77.9
2000	70.2	70.8	75.7	75.9	81.0	83.4	85.1	83.2	83.9	78.2	74.4	69.9	77.6
2001	64.7	75.0	74.1	77.1	78.2	83.8	83.4	84.4	81.8	79.3	74.6	73.9	77.5
2002	70.9	71.0	75.4	79.1	81.5	82.4	84.3	84.4	84.0	82.4	74.7	71.3	78.5
2003	63.8	72.0	77.8	75.6	82.0	83.1	84.9	86.1	85.0	82.8	78.5	68.5	78.3
2004	68.6	71.1	73.5	74.9	79.1	84.1	84.5	84.6	82.6	81.0	77.5	70.8	77.7
2005	69.1	70.3	72.0	74.5	79.5	82.8	85.0	85.9	83.3	79.9	76.0	70.3	77.4
2006	69.8	69.4	73.2	76.6	78.8	81.9	83.9	84.6	83.4	80.8	73.3	74.3	77.5
2007	74.1	70.2	74.7	76.8	80.0	83.1	86.8	87.5	85.0	83.5	78.1	74.8	79.6
2008	70.5	75.1	75.1	76.6	81.4	84.5	84.5	84.8	82.4	78.9	72.3	71.3	78.1
2009	68.5	67.8	73.0	77.0	80.7	83.1	86.4	86.3	84.7	82.7	75.9	73.4	78.3
POR= 58 YRS	69.8	70.8	73.9	76.9	80.4	83.2	84.5	84.5	83.3	80.2	75.6	71.5	77.9

**HEATING DEGREE DAYS (base 65°F) 2009 KEY WEST (KEYW)**

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1980-81	0	0	0	0	0	26	128	18	1	0	0	0	173
1981-82	0	0	0	0	0	25	24	0	0	0	0	0	49
1982-83	0	0	0	0	0	10	24	8	2	0	0	0	44
1983-84	0	0	0	0	0	36	25	8	12	0	0	0	81
1984-85	0	0	0	0	0	2	39	16	0	0	0	0	57
1985-86	0	0	0	0	0	33	31	9	33	0	0	0	106
1986-87	0	0	0	0	0	0	24	7	2	10	0	0	43
1987-88	0	0	0	0	0	5	22	20	17	0	0	0	64
1988-89	0	0	0	0	0	10	0	27	3	0	0	0	40
1989-90	0	0	0	0	0	61	2	0	0	0	0	0	63
1990-91	0	0	0	0	0	3	0	8	2	0	0	0	13
1991-92	0	0	0	0	0	0	12	2	0	0	0	0	14
1992-93	0	0	0	0	0	3	0	5	12	0	0	0	20
1993-94	0	0	0	0	0	9	9	5	0	0	0	0	23
1994-95	0	0	0	0	0	0	15	24	0	0	0	0	39
1995-96	0	0	0	0	0	37	37	61	29	0	0	0	164
1996-97	0	0	0	0	0	12	27	2	0	0	0	0	41
1997-98	0	0	0	0	0	15	12	7	19	0	0	0	53
1998-99	0	0	0	0	0	0	16	8	2	0	0	0	25
1999-00	0	0	0	0	0	4	10	11	0	0	0	0	25
2000-01	0	0	0	0	0	24	86	0	2	0	0	0	112
2001-02	0	0	0	0	0	1	35	8	3	0	0	0	47
2002-03	0	0	0	0	8	8	88	6	3	0	0	0	113
2003-04	0	0	0	0	0	27	22	15	0	0	0	0	64
2004-05	0	0	0	0	0	12	31	15	4	0	0	0	62
2005-06	0	0	0	0	0	17	24	24	0	0	0	0	65
2006-07	0	0	0	0	6	0	4	17	0	0	0	0	27
2007-08	0	0	0	0	0	0	23	3	1	0	0	0	27
2008-09	0	0	0	0	2	1	31	26	6	0	0	0	66
2009-	0	0	0	0	1	8							

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**COOLING DEGREE DAYS (base 65°F) 2009 KEY WEST (KEYW)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1980	200	96	340	387	514	575	620	625	589	524	328	140	4938
1981	21	141	195	411	505	613	651	598	548	521	274	201	4679
1982	224	309	384	484	473	549	641	593	525	437	320	277	5216
1983	110	106	156	278	436	519	576	595	537	487	329	282	4411
1984	147	182	258	350	498	492	558	582	502	474	298	291	4632
1985	110	213	326	349	516	610	576	596	521	534	403	163	4917
1986	123	209	239	286	477	563	634	585	560	521	475	315	4987
1987	151	203	258	202	477	594	629	637	603	380	335	211	4680
1988	155	125	239	356	408	531	604	602	562	465	411	216	4674
1989	289	235	298	401	524	572	593	640	611	482	369	138	5152
1990	263	299	315	356	522	588	620	644	575	499	326	309	5316
1991	334	234	344	472	540	573	650	643	569	482	287	253	5381
1992	164	223	266	323	405	561	625	627	548	462	395	252	4851
1993	298	169	231	282	445	569	656	638	574	508	370	197	4937
1994	181	279	302	431	520	612	607	579	534	489	397	277	5208
1995	147	152	283	409	583	551	618	638	580	526	318	170	4975
1996	158	137	188	333	490	533	621	586	562	439	323	249	4619
1997	217	293	391	385	534	556	597	607	515	441	325	195	5056
1998	195	175	201	351	466	611	652	616	508	376	318	318	4845
1999	244	195	223	410	484	541	599	595	556	466	300	232	4845
2000	177	186	337	333	503	559	628	571	574	418	289	183	4758
2001	82	285	290	372	419	568	578	610	513	447	292	280	4736
2002	227	182	334	430	516	528	605	612	577	547	307	207	5072
2003	58	211	407	328	535	549	626	660	608	559	410	142	5093
2004	139	200	274	301	440	578	612	617	533	505	379	201	4779
2005	167	169	226	294	459	543	628	654	555	469	335	190	4689
2006	179	152	245	357	438	514	591	612	559	496	264	296	4703
2007	296	167	310	361	472	551	685	703	604	581	400	314	5444
2008	201	300	321	355	516	590	611	622	528	437	229	204	4914
2009	144	111	261	367	492	548	669	668	596	557	335	275	5023

**SNOWFALL (inches) 2009 KEY WEST (KEYW)**

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1979-80	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
1980-81	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
1981-82	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
1982-83	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
1983-84	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
1984-85	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
1985-86	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
1986-87	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
1987-88	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
1988-89	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
1989-90	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
1990-91	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
1991-92	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
1992-93	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
1993-94	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
1994-95	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
1995-96	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
1996-97													
1997-98													
1998-99													
1999-00													
2000-01													
2001-02													
2002-03													
2003-04													
2004-05													
2005-06													
2006-07													
2007-08													
2008-09													
POR= 44 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 : 12836

**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. 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.</p>	<p>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 METADATA SYSTEM", URL IS: <a href="https://mi3.ncdc.noaa.gov/mi3qry/login.cfm">https://mi3.ncdc.noaa.gov/mi3qry/login.cfm</a></p> <p><b>NOTE:</b> 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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# 2009

## KEY WEST

### FLORIDA (KEYW)

Key West is located at the end of the Overseas Highway and near the western end of the Florida Keys, which are a chain of islands swinging in a southwesterly arc from the southeast coast of the Florida peninsula. The nearest point of the mainland is about 60 statute miles to the northeast, while Cuba at its closest point is 98 miles south. The city occupies the island of the same name which is 3 1/2 miles long and 1 mile wide. Its mean elevation is around 8 feet. The maximum elevation of 18 feet covers only about one acre in the western portion. Soil is a thin layer of sand, or marlfill, overlying a stratum of Oolitic limestone. Vegetation on the eastern end of the island is scanty, chiefly of low growth. The western end, where settlement and landscaping are older, has a little heavier growth. The airport and Weather Service Office are located on the southeast shore on partially filled mangrove swamp.

The waters surrounding the key are quite shallow up to the mainland on the northeast and for 6 miles to the reef on the south. There is little wave action because the reef disrupts any established wave pattern.

Because of the nearness of the Gulf Stream in the Straits of Florida, about 12 miles south and southeast, and the tempering effects of the Gulf of Mexico to the west and north, Key West has a notably mild, tropical-maritime climate in which the average temperatures during the winter are about 14 degrees lower than in summer. Cold fronts are strongly modified by the warm water as they move in from northerly quadrants in winter. There is no known record of frost, ice, sleet, or snow in Key West. Prevailing easterly tradewinds and sea breezes suppress the usual summertime heating. Diurnal variations throughout the year average only about 10 degrees.

Precipitation is characterized by dry and wet seasons. The period of December through April receives abundant sunshine and slightly less than 25 percent of the annual rainfall. This rainfall usually occurs in advance of cold fronts in a few heavy showers, or occasionally five to eight light showers per month. June through October is normally the wet season, receiving approximately 53 percent of the yearly total in numerous showers and thunderstorms. Early morning is the favored time for diurnal showers. Easterly waves during this season occasionally bring excessive rainfall, while infrequent hurricanes may be accompanied by unusually heavy amounts. Humidity remains relatively high during the entire year.

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