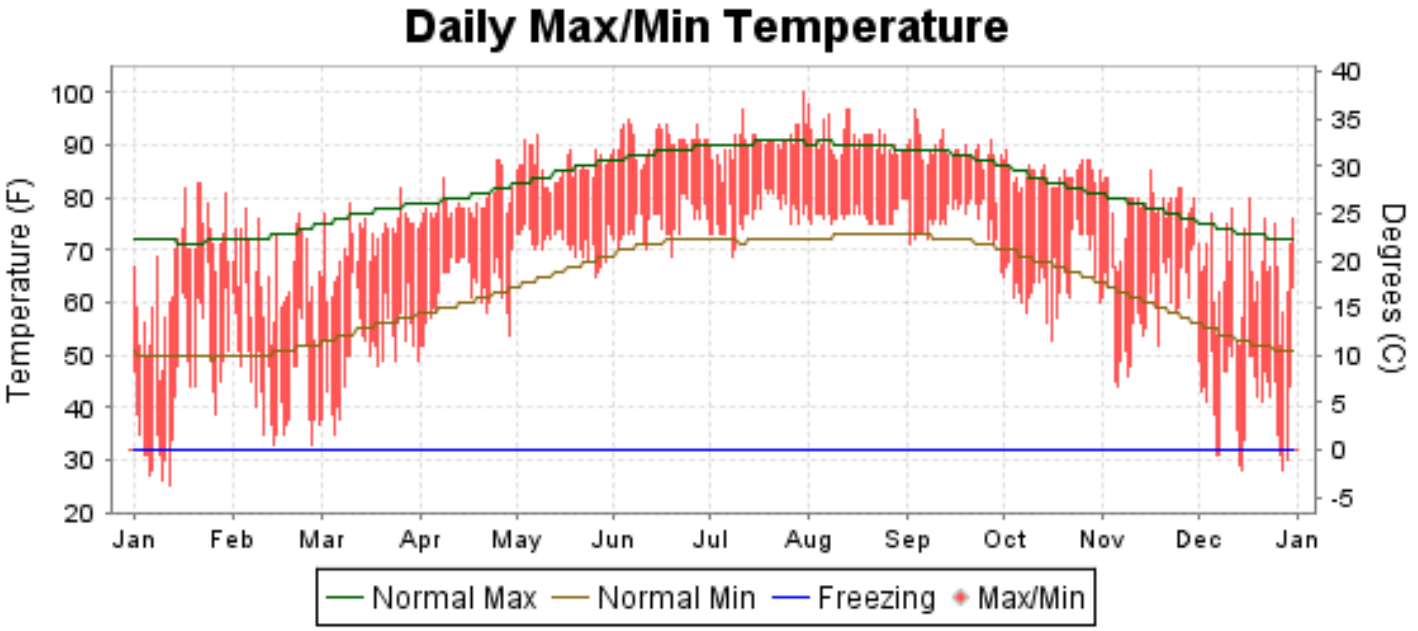
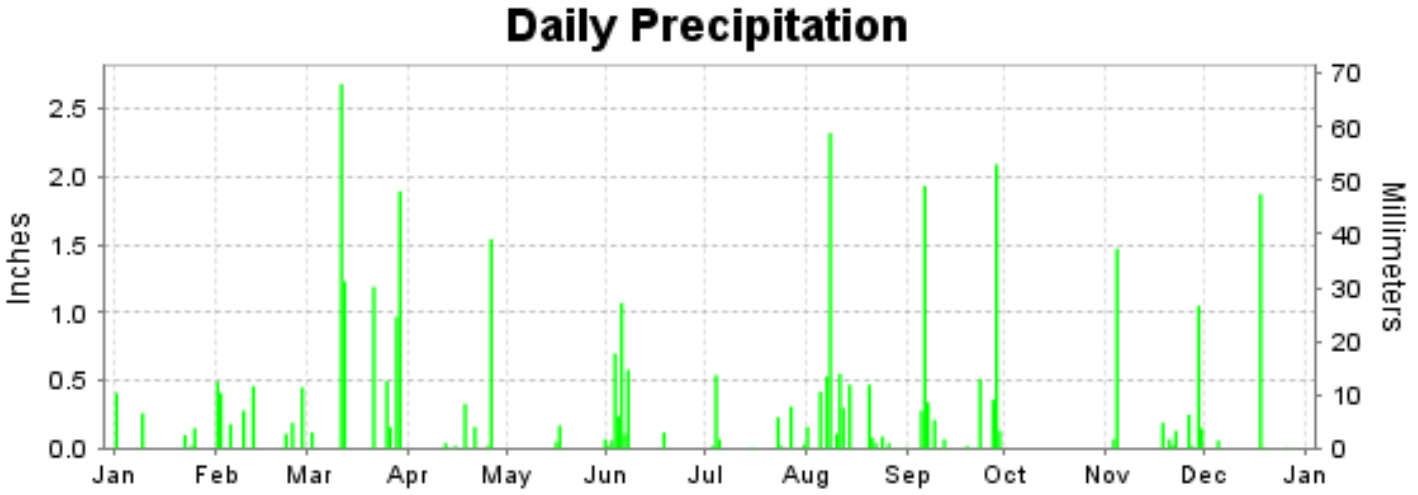
2010
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA

MELBOURNE,
FLORIDA (KMLB)





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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE	NATIONAL CLIMATIC DATA CENTER ASHEVILLE, NORTH CAROLINA	DIRECTOR NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2010
MELBOURNE (KMLB)

LATITUDE: 28 ° 6 'N **LONGITUDE:** -80 ° 38'W **ELEVATION (FT):** GRND: 25 BARO: 60 **TIME ZONE:** EASTERN (UTC -5) **WBAN:** 12838

	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	MEAN DAILY MAXIMUM	66.6	65.9	71.9	79.2	86.0	90.9	90.8	91.2	89.0	84.6	78.2	66.4	80.1
	HIGHEST DAILY MAXIMUM	83	78	82	87	92	95	100	98	97	89	85	80	100
	DATE OF OCCURRENCE	22+	05	26	26+	08	05	30	01	03	02	16	17	JUL 30
	MEAN DAILY MINIMUM	43.7	45.1	51.1	62.6	71.2	75.0	76.8	76.5	75.6	64.9	59.1	41.6	61.9
	LOWEST DAILY MINIMUM	25	33	35	52	65	69	69	75	66	53	44	28	25
	DATE OF OCCURRENCE	12	26+	05	02+	26	19	08	27+	30	16	06	28+	JAN 12
	AVERAGE DRY BULB	55.2	55.5	61.5	70.9	78.6	83.0	83.8	83.9	82.3	74.8	68.7	54.0	71.0
	MEAN WET BULB					72.4	76.2	77.1	77.3	75.3	67.5	63.0	47.6	
	MEAN DEW POINT					69.4	73.7	74.5	75.0	72.5	63.2	58.9	40.9	
	NUMBER OF DAYS WITH:													
	MAXIMUM >= 90°	0	0	0	0	4	22	23	18	11	0	0	0	78
	MAXIMUM <= 32°	0	0	0	0	0	0	0	0	0	0	0	0	0
	MINIMUM <= 32°	8	0	0	0	0	0	0	0	0	0	0	7	15
	MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0
H/C	HEATING DEGREE DAYS	338	273	124	1	0	0	0	0	0	0	31	338	1105
	COOLING DEGREE DAYS	41	11	24	186	431	547	590	592	527	309	145	5	3408
RH	MEAN (PERCENT)					76	77	76	79	74	69	73	66	49
	HOUR 01 LST					86	88	87	88	82	83	82	77	56
	HOUR 07 LST					75	75	77	82	77	78	84	78	52
	HOUR 13 LST					62	64	63	65	64	51	56	46	39
	HOUR 19 LST					79	80	78	81	76	68	74	68	50
S	PERCENT POSSIBLE SUNSHINE													
W/O	NUMBER OF DAYS WITH:													
	HEAVY FOG(VISBY <= 1/4 MI)	1	0	0	0	0	1	0	1	0	1	0	3	7
	THUNDERSTORMS	0	0	6	2	3	10	5	7	5	0	0	0	38
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.)					29.98	29.99	30.01	29.93	29.91	29.96	30.03	30.04	
	MEAN SEA-LEVEL PRESS. (IN.)					30.01	30.02	30.04	29.97	29.94	29.99	30.07	30.07	
WINDS	RESULTANT SPEED (MPH)					5.4	4.1	4.9	2.9	6.3	3.1	2.5	5.5	
	RES. DIR. (TENS OF DEGS.)					10	11	11	12	08	04	03	30	
	MEAN SPEED (MPH)	9.2	8.8	9.4	9.4	9.3	7.5	7.9	7.1	9.1	7.4	8.4	8.9	8.5
	PREVAIL.DIR.(TENS OF DEGS.)					10	10	12	20	09	36	08	31	
	MAXIMUM 2-MINUTE WIND													
	SPEED (MPH)	29	32	32	25	24	41	31	29	28	25	26	36	41
	DIR. (TENS OF DEGS.)	28	29	28	33	14	28	08	29	14	36	26	28	28
	DATE OF OCCURRENCE	25	12	03	26	02	05	23	20	27	05	26	26	JUN 05
	MAXIMUM 3-SECOND WIND:													
	SPEED (MPH)	37	44	45	35	31	51	38	39	35	32	36	45	51
	DIR. (TENS OF DEGS.)	26	29	26	33	14	29	08	03	02	36	26	27	29
	DATE OF OCCURRENCE	17	12	02	26	02	05	23	07	28	05	26	26	JUN 05
PRECIPITATION	WATER EQUIVALENT:													
	TOTAL (IN.)	0.94	2.57	8.74	2.13	0.29	2.90	1.23	5.59	5.94	T	3.43	1.95	35.71
	GREATEST 24-HOUR (IN.)	0.41	0.59	2.68	1.56	0.21	1.07	0.61	2.85	2.21	T	1.54	1.87	2.85
	DATE OF OCCURRENCE	01	01-02	11	25-26	16-17	05	04-05	07-08	28-29	25+	03-04	18	AUG 07-08
	NUMBER OF DAYS WITH:													
	PRECIPITATION 0.01	5	8	8	8	3	8	8	14	10	0	10	4	86
	PRECIPITATION 0.10	4	8	8	3	1	6	3	9	8	0	6	1	57
	PRECIPITATION 1.00	0	0	4	1	0	1	0	1	2	0	2	1	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
MELBOURNE (KMLB)

LATITUDE: 28 ° 6 'N **LONGITUDE:** -80 ° 38'W **ELEVATION (FT):** GRND: 25 BARO: 60 **TIME ZONE:** EASTERN (UTC -5) **WBAN:** 12838

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	71.7	72.9	77.2	80.5	85.0	88.6	90.5	90.0	88.1	83.3	78.3	73.3	81.6
	MEAN DAILY MAXIMUM	27	72.3	73.9	77.6	80.7	85.9	89.1	90.4	90.2	88.2	83.7	77.9	73.1	81.9
	HIGHEST DAILY MAXIMUM	27	88	87	93	97	97	101	100	101	97	94	91	87	101
	YEAR OF OCCURRENCE		1991	1997	1994	1999	2000	1998	2010	1999	2010	2009	1992	2009	AUG 1999
	MEAN OF EXTREME MAXS.	27	83.1	84.4	88.3	89.3	93.1	95.1	95.4	94.9	93.4	90.2	85.9	83.2	89.7
	NORMAL DAILY MINIMUM	30	50.0	50.8	55.2	60.1	66.3	71.2	71.9	72.7	71.9	67.4	60.0	53.0	62.5
	MEAN DAILY MINIMUM	27	51.3	53.2	56.9	60.8	67.4	71.5	72.8	73.2	72.9	68.1	59.3	53.5	63.4
	LOWEST DAILY MINIMUM	27	25	28	33	41	47	61	67	67	60	45	32	22	22
	YEAR OF OCCURRENCE		2010	1996	1993	1997	1992	1990	1950	1994	2006	1993	1950	1989	DEC 1989
	MEAN OF EXTREME MINS.	27	34.5	37.0	42.4	47.1	58.6	66.2	68.9	69.7	67.6	54.1	43.8	36.5	52.2
	NORMAL DRY BULB	30													0.0
	MEAN DRY BULB	27	61.8	63.6	67.3	70.8	76.7	80.3	81.6	81.7	80.6	76.0	68.6	63.4	72.7
	MEAN WET BULB						69.4	73.7	74.5	75.0	72.5	63.2	58.9	40.9	44.0
	MEAN DEW POINT						72.4	76.2	77.1	77.3	75.3	67.5	63.0	47.6	46.4
	NORMAL NO. DAYS WITH:														
	MAXIMUM >= 90														
	MAXIMUM <= 32														
	MINIMUM <= 32														
	MINIMUM <= 0														
H/C	NORMAL HEATING DEG. DAYS														
	NORMAL COOLING DEG. DAYS														
RH	NORMAL (PERCENT)														
	HOUR 01 LST														
	HOUR 07 LST														
	HOUR 13 LST														
	HOUR 19 LST														
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	7	8.4	3.1	1.7	0.7	0.1	2.6	0.9	0.1	0.6	1.4	1.6	4.1	25.3
	THUNDERSTORMS	7	0.9	0.3	1.9	3.9	2.3	10.4	16.9	3.9	7.6	2.6	0.9	0.3	51.9
CLOUDNESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)														
	MIDNIGHT-MIDNIGHT (OKTAS)														
	MEAN NO. DAYS WITH:														
	CLEAR														
	PARTLY CLOUDY														
	CLOUDY														
PR	MEAN STATION PRESSURE(IN)						29.98	29.99	30.01	29.93	29.91	29.96	30.03	30.04	
	MEAN SEA-LEVEL PRES. (IN)						30.01	30.02	30.04	29.97	29.94	29.99	30.07	30.07	
WINDS	MEAN SPEED (MPH)	1	9.2	8.8	9.4	9.4	9.3	7.5	7.9	7.1	9.1	7.4	8.4	8.9	8.5
	PREVAIL.DIR(TENS OF DEGS)						10	10	12	20	09	36	08	31	09
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)														
	DIR. (TENS OF DEGS)														
	YEAR OF OCCURRENCE														
	MAXIMUM 3-SECOND														
	SPEED (MPH)														
	DIR. (TENS OF DEGS)														
	YEAR OF OCCURRENCE														
PRECIPITATION	NORMAL (IN)	30	2.48	2.49	2.92	2.08	3.94	5.83	5.38	5.78	7.20	4.76	3.12	2.31	48.29
	MAXIMUM MONTHLY (IN)	27	5.40	6.14	11.58	8.15	11.72	12.87	15.05	26.87	19.72	13.38	8.78	10.07	26.87
	YEAR OF OCCURRENCE		1998	1998	1996	1951	2009	2005	2007	2008	1948	1999	1994	2002	AUG 2008
	MINIMUM MONTHLY (IN)	27	0.24	0.34	0.28	0.27	0.29	0.16	1.20	1.34	1.80	T	0.38	0.24	T
	YEAR OF OCCURRENCE		1951	2000	2006	1990	2010	1998	1999	2007	2002	2010	2009	2000	OCT 2010
	MAXIMUM IN 24 HOURS (IN)	27	2.97	3.76	5.24	2.92	5.21	6.57	3.59	11.85	7.98	3.97	4.70	6.77	11.85
	YEAR OF OCCURRENCE		1998	2005	1996	1953	2009	2007	2007	2008	1999	2000	1997	2002	AUG 2008
	NORMAL NO. DAYS WITH:														
	PRECIPITATION >= 0.01														
	PRECIPITATION >= 1.00														
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:														
	SNOWFALL >= 1.0														

PRECIPITATION (inches) 2010 MELBOURNE (KMLB)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1948	3.94	1.21	3.15	1.41	5.47	3.17	4.88	6.80	19.72	2.69	1.32	2.28	56.04
1949	0.40	1.72	0.97	2.50	2.15	9.19	1.46	9.99	9.97	3.96	1.31	3.14	46.76
1950	0.57	2.02	6.06	2.10	5.08	1.44	3.95	2.93	3.91	10.45	0.93	0.93	40.37
1951	0.24	3.04	1.05	8.15	3.16	2.62	6.02	2.18	9.81	5.52	4.19	1.49	47.47
1952	2.30	2.97	4.11	0.35	3.12	1.64	3.94	4.15	10.40	11.31	0.70	1.05	46.04
1953	1.97	3.25	2.92	7.37	1.75	5.39	4.58	10.88	8.83	10.72	4.87	1.49	64.02
1989											0.80	3.84	
1990	0.78	3.50	0.49	0.27	2.08	7.22	8.51	6.46	6.93	9.80	1.21	0.77	48.02
1991	2.95	1.11	4.90	4.27	5.97	6.25	11.32	6.14	9.15	4.45	1.59	0.48	58.58
1992	1.41	3.26	4.01	4.21	1.46	12.30	2.88	5.83	7.22	2.67	2.59	1.52	49.36
1993	5.24	1.75	8.55	1.75	2.01	1.30	3.97	3.01	5.37	4.63	1.22	0.49	39.29
1994	3.20	3.34	0.74	2.73	2.42	11.17	6.90	10.09	9.21	6.92	8.78	4.35	69.85
1995	2.57	2.04	2.82	3.08	4.58	8.65	7.86	19.05	7.94	10.05	0.65	0.82	70.11
1996	3.64	0.81	11.58	0.95	2.44	8.98	3.18	5.58	3.57	5.07	1.97	1.75	49.52
1997	1.99	1.78	1.65	5.19	5.35	5.85	8.86	9.04	8.62	3.77	5.95	6.57	64.62
1998	5.40	6.14	4.90	0.84	0.85	0.16	9.11	8.04	10.36	1.30	5.53	2.55	55.18
1999	3.63	0.47	0.61	1.25	6.50	5.67	1.20	6.82	17.10	13.38	2.47	2.41	61.51
2000	2.34	0.34	2.18	2.64	0.41	7.03	6.74	4.36	10.79	5.60	0.54	0.24	43.21
2001	0.51	1.50	2.89	1.40	6.77	8.38	11.25	7.22	14.05	5.42	4.91	0.59	64.89
2002	2.25	3.18	0.50	2.43	1.21	9.85	6.04	9.40	1.80	6.32	2.39	10.07	55.44
2003	1.68	1.39	4.36	1.24	1.22	11.73	4.44	6.92	5.03	0.93	1.49	3.61	44.04
2004	1.48	3.75	1.01	1.16	1.15	8.93	2.81	11.72	16.65	3.95	0.99	3.53	57.13
2005	1.75	4.19	4.77	2.45	3.57	12.87	2.63	7.19	8.94	13.36	1.39	2.90	66.01
2006	0.61	2.20	0.28	1.10	2.06	6.40	8.17	8.99	6.19	0.73	3.73	1.72	42.18
2007	2.79	2.14	0.62	1.94	1.74	10.72	15.05	1.34	8.97	5.53	1.17	1.00	53.01
2008	3.79	2.99	2.82	2.58	1.16	6.72	11.15	26.87	4.24	10.24	2.35	1.19	76.10
2009	0.97	0.84	0.98	2.27	11.72	4.40	8.33	5.44	8.08	1.01	0.38	5.96	50.38
2010	0.94	2.57	8.74	2.13	0.29	2.90	1.23	5.59	5.94	T	3.43	1.95	35.71
POR= 27 YRS	2.20	2.35	3.25	2.51	3.17	6.70	6.17	7.85	8.84	5.92	2.46	2.45	53.87

WBAN : 12838

AVERAGE TEMPERATURE (°F) 2010 MELBOURNE (KMLB)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1948	60.8	66.7	72.7	73.7	76.8	80.1	80.9	81.0	79.9	74.7	74.4	68.7	74.2
1949	65.5	70.9	66.3	72.4	76.1	79.3	81.9	81.3	80.2	77.8	63.7	67.3	73.6
1950	68.8	65.6	67.2	66.1	76.1	80.8	80.2	80.9	79.9	77.1	64.6	58.3	72.1
1951	60.6	60.5	66.3	69.4	75.5	79.8	80.7	82.5	81.2	76.5	66.1	67.6	72.2
1952	63.5	62.5	68.8	68.7	76.3	81.0	81.6	81.5	80.2	74.7	67.4	59.7	72.2
1953	61.1	64.9	69.9	71.0	78.3	79.3	80.9	81.1	79.4	73.0	68.0	64.6	72.6
1989											68.9	56.2	
1990	65.7	68.8	68.4	71.2	78.1	80.1	81.5	81.4	80.7	77.0	69.7	66.6	74.1
1991	66.6	63.9	67.1	74.2	78.3	80.1	81.4	81.4	80.6	75.6	66.7	65.7	73.5
1992	59.3	64.6	65.5	69.2	73.4	79.9	82.1	80.7	80.5	74.1	71.2	64.3	72.1
1993	67.0	60.6	64.7	67.4	75.2	80.0	82.2	81.8	80.4	76.1	69.6	59.2	72.0
1994	62.3	67.3	68.6	74.5	76.0	80.0	80.6	80.1	79.2	76.7	72.9	65.9	73.7
1995	59.2	61.2	68.6	71.8	79.1	79.6	81.3	82.2	80.9	77.9	66.6	61.3	72.5
1996	60.4	60.4	63.6	68.9	77.1	79.1	81.8	80.9	80.6	74.7	69.3	62.9	71.6
1997	62.0	68.2	72.3	70.1	76.1	79.5	81.6	81.7	80.5	74.6	67.1	62.4	73.0
1998	63.5	62.1	64.2	71.5	77.7	85.1	83.9	83.1	81.4	78.3	72.1	68.0	74.2
1999	64.6	63.8	64.6	72.9	74.6	79.5	82.3	83.1	80.5	76.4	70.2	63.1	73.0
2000	61.6	62.7	69.9	70.1	77.4	80.2	81.4	81.0	81.0	74.3	65.9	61.2	72.2
2001	55.1	67.9	67.2	70.8	75.6	79.9	81.1	80.7	78.8	75.1	69.7	67.0	72.4
2002	61.0	62.8	68.1	74.1	77.8	79.6	80.9	81.2	82.2	78.3	66.2	60.5	72.7
2003	54.5	64.2	72.7	70.0	78.8	80.3	81.4	80.7	79.8	75.9	71.9	59.6	72.5
2004	59.5	62.5	66.6	68.6	76.1	81.3	81.5	81.5	81.6	75.4	69.9	61.4	72.2
2005	62.3	62.3	64.3	67.7	75.4	79.7	83.5	83.3	80.9	76.5	70.6	61.2	72.3
2006	62.8	59.9	65.9	74.0	76.0	80.1	80.9	82.0	80.2	74.3	66.4	69.5	72.7
2007	65.4	60.9	68.0	70.0	75.8	79.6	81.8	82.9	81.3	79.6	68.3	67.7	73.4
2008	62.0	66.5	66.7	70.5	77.8	80.7	80.4	81.4	80.8	74.4	64.1	65.3	72.6
2009	59.2	59.4	66.3	70.9	77.2	81.7		82.7	80.8	77.8	70.5	65.1	
2010	55.2	55.5	61.5	70.9	78.6	83.0	83.8	83.9	82.3	74.8	68.7	54.0	71.0
POR= 27 YRS	61.8	63.6	67.3	70.8	76.7	80.3	81.6	81.7	80.6	76.0	68.6	63.4	72.7

HEATING DEGREE DAYS (base 65°F) 2010 MELBOURNE (KMLB)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1948-49													
1949-50													
1950-51													
1951-52													
1952-53													
1953-54													
1989-90													
1990-91													
1991-92													
1992-93													
1993-94													
1994-95													
1995-96													
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													
2009-10							338	273	124	1	0	0	
2010-	0	0	0	0	31	338							

WBAN : 12838

COOLING DEGREE DAYS (base 65°F) 2010 MELBOURNE (KMLB)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1948													
1949													
1950													
1951													
1952													
1953													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008													
2009													
2010	41	11	24	186	431	547	590	592	527	309	145	5	3408

SNOWFALL (inches) 2010 MELBOURNE (KMLB)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1948-49	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
1949-50	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
1950-51	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
1951-52	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
1952-53	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
1953-54	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							
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	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
1997-98	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
1998-99	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
1999-00	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
2000-01	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
2001-02	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
2002-03	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
2003-04	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
2004-05	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
2005-06	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
2006-07	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
2007-08	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
2008-09	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
2009-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
POR= 26 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 : 12838

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
SNOWFALL STOPPED MONTH & YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.

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.

2010
MELBOURNE
FLORIDA (KMLB)

Melbourne is located along the east central Florida coastline and is separated from the Atlantic Ocean by the Intracoastal Waterway and a narrow barrier island to the east. Its climate is strongly influenced by this maritime environment, especially during the summer when the sea breeze boundary is highly pronounced during the afternoon hours.

Normal high temperatures during the summer range from 87-91 degrees Fahrenheit with normal summer lows ranging from 70-73 degrees. Humid conditions during the summer, with average dew points in the low to mid 70s, can easily allow for heat index values to reach around 100 degrees many afternoons. In contrast, during the winter months normal highs vary from 71-75 degrees and normal lows range from 50-55 degrees. While freezing temperatures during the winter months are not common, they do occur an average of two nights each year. However, some years freezing temperatures may not occur at all. This has happened with generally one third of all years in the period of record. The hottest maximum temperature ever recorded at this station is 102 degrees on July 14, 1980, and the coldest temperature ever recorded was 17 degrees on January 19, 1977.

There are generally two rainfall regimes across Florida: the wet season and the dry season. The wet season generally runs from late May through mid October and is characterized by an increase in rainfall due to daily, mainly midday to evening, sea breeze generated showers and thunderstorms. Normal rainfall from May through October is around 33 inches total, with generally around 5 to 7 inches of rainfall experienced each month during this time frame.

The dry season, which normally occurs from late October through early May, is marked by lower humidity values and a general lack of sea breeze boundary activity. Therefore these months tend to be drier, with the main source of precipitation being from storm systems and frontal boundaries that cross the area. Normal rainfall from November through April is around 15 inches with generally around 2 to 3 inches of rainfall observed during each of these months.

Rainfall can vary widely during the dry season as the number of storm systems that impact the region is usually heavily dependent on the phase of the El-Nino and Southern Oscillation (ENSO) pattern over the equatorial Pacific waters. During times of El Nino, or warmer than normal sea surface temperatures (SSTs) over the tropical Pacific, a higher number of storm systems typically push across Florida, which brings above normal rainfall, cooler temperatures and generally more severe weather to the region. This pattern is reversed during times of La Nina, or cooler than normal SSTs over the tropical Pacific waters, with the passage of fewer storm systems and ordinarily below normal rainfall amounts during the winter and much of the spring.

The Atlantic tropical season, which runs from June 1st through November 30th, can also have a huge influence on rainfall amounts across the area. The greatest precipitation total from a tropical system came with Tropical Storm Fay in August of 2008. During the course of that storm from the 18th through the 24th, 19.08 inches was observed at the Melbourne Airport with even higher totals up to 20-27 inches farther north of the station. Most of the hurricane activity that impacts Melbourne occurs during the peak of the tropical season from August through October. Many of the Atlantic basin hurricanes tend to recurve northward well offshore of the Florida east coast or move farther south of the area, either moving into the Gulf or making landfall over south Florida. From 1900-2010, only 16 hurricanes have passed within 65 nautical miles of Melbourne with 6 of these being major hurricanes (Category 3-5).

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