

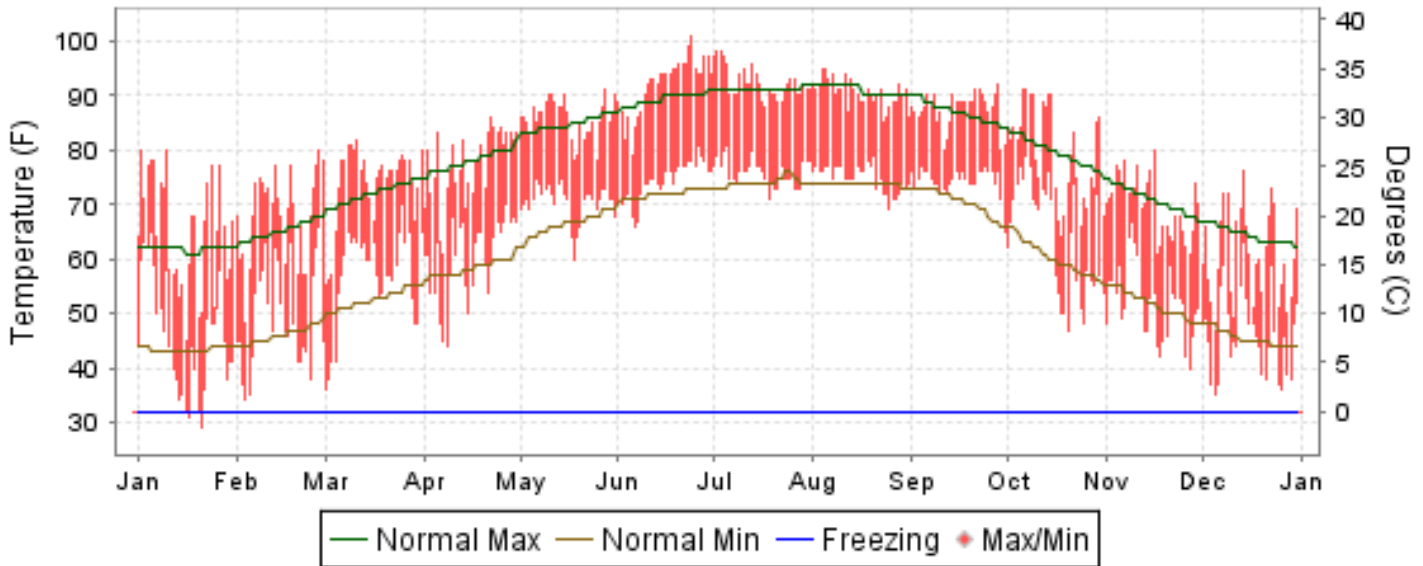


2009 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

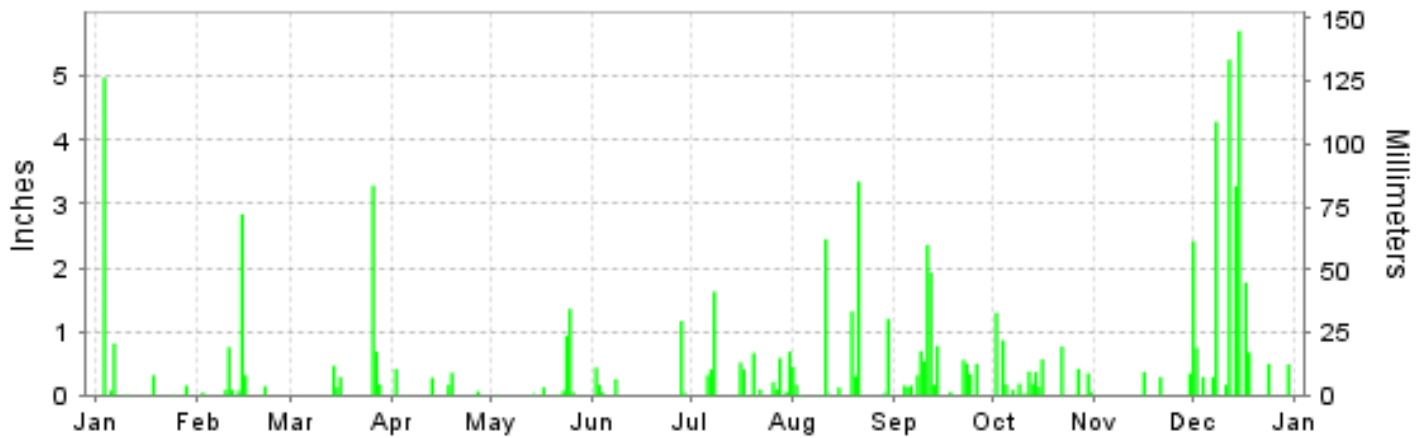
ISSN 0198-2311

NEW ORLEANS, LOUISIANA (KMSY)

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

NEW ORLEANS (KMSY)

LATITUDE: 29° 59'N LONGITUDE: -90° 15'W ELEVATION (FT): GRND: 0 BARO: 7 TIME ZONE: CENTRAL (UTC -6) WBAN: 12916

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	65.1	68.0	73.9	77.4	85.8	92.2	92.3	90.5	87.5	79.5	69.9	60.8	78.6	
	HIGHEST DAILY MAXIMUM	80	80	82	86	91	101	98	95	92	91	80	76	101	
	DATE OF OCCURRENCE	10+	27	11	22	28	24	03+	05+	28	07+	16	14	JUN 24	
	MEAN DAILY MINIMUM	45.6	49.4	56.8	60.3	70.6	74.4	75.9	75.0	74.4	64.1	52.0	46.0	62.0	
	LOWEST DAILY MINIMUM	29	34	36	44	60	66	71	69	65	47	40	35	29	
	DATE OF OCCURRENCE	21	04	01	08	18	06	18	25	30	20	27	05	JAN 21	
	AVERAGE DRY BULB	55.4	58.7	65.4	68.9	78.2	83.3	84.1	82.8	81.0	71.8	61.0	53.4	70.3	
	MEAN WET BULB	49.5	52.8	58.9	61.8	69.8	74.4	75.2	74.5	73.5	66.5	55.0	47.1	63.3	
	MEAN DEW POINT	43.5	46.0	53.8	56.6	65.7	70.3	71.7	70.9	70.2	62.9	49.5	41.6	58.6	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	5	22	27	21	8	6	0	0	89	
	MAXIMUM <= 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	
MINIMUM <= 32°	4	0	0	0	0	0	0	0	0	0	0	0	4		
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	322	198	78	36	0	0	0	0	0	39	134	357	1164	
	COOLING DEGREE DAYS	30	29	98	159	415	557	601	555	487	258	21	7	3217	
RH	MEAN (PERCENT)	69	64	70	67	69	68	70	71	74	75	68	70	70	
	HOUR 00 LST	76	70	79	75	77	79	79	78	81	80	75	74	77	
	HOUR 06 LST	80	75	81	78	81	83	82	83	83	83	80	75	80	
	HOUR 12 LST	57	54	58	56	58	54	58	61	65	65	55	65	59	
	HOUR 18 LST	62	58	62	58	63	58	63	63	68	72	64	69	63	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	1	0	0	0	0	0	0	0	0	0	0	0	1	
	THUNDERSTORMS	2	3	3	2	7	8	13	12	13	5	0	6	74	
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	30.06	29.99	29.94	29.89	29.97	29.98	29.93	29.96	30.06	30.05	30.01	
	MEAN SEA-LEVEL PRESS. (IN.)	30.14	30.19	30.09	30.03	29.97	29.92	30.01	30.02	29.96	29.99	30.09	30.08	30.04	
WINDS	RESULTANT SPEED (MPH)	0.4	2.2	2.8	3.0	2.5	3.5	3.5	0.5	2.0	2.0	3.2	3.7	0.9	
	RES. DIR. (TENS OF DEGS.)	30	12	14	17	15	23	22	10	10	09	02	03	14	
	MEAN SPEED (MPH)	8.4	10.0	9.2	10.7	9.2	6.7	6.6	5.0	6.0	8.6	7.1	9.8	8.1	
	PREVAIL.DIR.(TENS OF DEGS.)	17	13	16	13	18	22	18	23	04	08	34	02	18	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	33	29	39	40	28	36	41	32	30	29	29	31	41	
	DIR. (TENS OF DEGS.)	19	33	25	17	03	34	28	36	13	33	02	22	28	
	DATE OF OCCURRENCE	06	28	26	19	17	29	06	02	11	09	09	24	JUL 06	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	41	41	48	53	35	45	49	39	43	39	41	41	53	
DIR. (TENS OF DEGS.)	19	33	26	29	01	01	28	36	12	18	05	22	29		
DATE OF OCCURRENCE	06	28	26	02	17	29	06	02	11	04	09	24	APR 02		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	6.40	4.39	5.07	1.33	2.63	2.13	5.73	9.50	9.22	5.97	1.02	25.92	79.31	
	GREATEST 24-HOUR (IN.)	4.98	2.87	3.64	0.42	2.28	1.18	1.63	3.35	2.97	1.30	0.37	8.76	8.76	
	DATE OF OCCURRENCE	03	13-14	26-27	02	24-25	28-29	08	21	11-12	02	16	14-15	DEC 14-15	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	7	9	8	7	8	6	13	14	15	18	4	14	123	
PRECIPITATION 0.10	4	4	6	4	3	4	11	8	14	12	3	13	86		
PRECIPITATION 1.00	1	1	1	0	1	1	1	4	2	1	0	6	19		
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 NEW ORLEANS (KMSY)

LATITUDE: 29 ° 59'N LONGITUDE: -90 ° 15'W ELEVATION (FT): GRND: 0 BARO: 7 TIME ZONE: CENTRAL (UTC -6) WBAN: 12916

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	61.8	65.3	72.1	78.0	84.8	89.4	91.1	91.0	87.1	79.7	71.0	64.5	78.0
	MEAN DAILY MAXIMUM	71	62.2	64.5	71.4	77.8	84.8	89.2	90.8	90.6	86.5	79.7	70.3	64.4	77.7
	HIGHEST DAILY MAXIMUM	63	83	85	89	92	96	101	101	102	101	94	87	84	102
	YEAR OF OCCURRENCE		1982	1972	1982	1987	1953	2009	1981	1980	1980	1998	1997	1995	AUG 1980
	MEAN OF EXTREME MAXS.	71	77.5	79.3	82.5	86.6	91.4	94.6	95.7	95.7	93.2	88.7	83.1	79.7	87.3
	NORMAL DAILY MINIMUM	30	43.4	46.1	52.7	58.4	66.4	72.0	74.2	73.9	70.6	60.2	51.8	45.6	59.6
	MEAN DAILY MINIMUM	71	44.1	46.1	52.5	58.9	66.4	71.6	74.0	73.9	70.4	60.8	51.1	45.9	59.6
	LOWEST DAILY MINIMUM	63	14	16	25	32	41	50	60	60	42	35	24	11	11
	YEAR OF OCCURRENCE		1985	1996	1980	1971	1960	1984	1967	1968	1967	1993	1970	1989	DEC 1989
	MEAN OF EXTREME MINS.	71	26.8	30.4	35.8	44.0	54.6	64.1	69.5	68.7	60.6	44.8	35.4	29.0	47.0
	NORMAL DRY BULB	30	52.6	55.7	62.4	68.2	75.6	80.7	82.7	82.5	78.9	70.0	61.4	55.1	68.8
	MEAN DRY BULB	71	53.1	55.3	62.0	68.4	75.6	80.4	82.4	82.3	78.5	70.3	60.7	55.1	68.7
	MEAN WET BULB	26	48.3	51.2	56.3	61.9	69.0	73.9	75.7	75.7	72.4	64.3	56.5	50.5	63.0
	MEAN DEW POINT	26	45.3	48.3	53.3	59.0	66.7	72.3	74.1	74.0	70.2	61.6	53.8	47.4	60.5
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	0.0	0.3	3.9	15.8	21.5	22.3	10.2	1.1	0.0	0.0	75.1
	MAXIMUM <= 32	30	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2
MINIMUM <= 32	30	4.6	2.4	0.4	*	0.0	0.0	0.0	0.0	0.0	0.0	0.7	3.5	11.6	
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	403	288	150	44	1	0	0	0	0	30	169	332	1417
	NORMAL COOLING DEG. DAYS	30	12	19	62	136	320	466	538	534	413	182	62	29	2773
RH	NORMAL (PERCENT)	30	75	74	73	73	74	78	79	79	77	75	76	77	76
	HOURLY 00 LST	30	81	80	81	83	85	87	88	88	86	85	85	83	84
	HOURLY 06 LST	30	84	84	85	87	89	90	92	92	89	88	87	85	88
	HOURLY 12 LST	30	66	63	61	59	60	64	66	65	65	60	63	65	63
	HOURLY 18 LST	30	71	66	65	64	65	68	71	72	72	71	75	74	70
S	PERCENT POSSIBLE SUNSHINE	22	46	50	56	62	62	63	59	61	61	64	54	48	57
W/O	MEAN NO. DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI)	46	4.8	3.4	3.0	1.1	0.5	0.2	0.2	0.3	0.3	1.4	2.7	4.0	21.9
	THUNDERSTORMS	62	2.1	2.9	4.0	4.2	5.8	10.3	15.5	13.0	6.5	2.2	2.3	2.2	71.0
CLOUDNESS	MEAN: SUNRISE-SUNSET (OKTAS)	48	5.4	5.0	5.0	4.6	4.9	4.9	5.1	4.6	4.3	3.6	4.3	5.1	4.7
	MIDNIGHT-MIDNIGHT (OKTAS)	32	5.2	4.8	4.9	4.4	4.2	4.0	4.6	4.3	4.0	3.3	4.0	4.8	4.4
	MEAN NO. DAYS WITH: CLEAR	48	6.9	7.5	7.8	7.9	8.9	8.3	4.6	7.2	9.6	14.3	10.2	7.7	100.9
	PARTLY CLOUDY	48	7.1	6.4	8.0	10.4	11.2	12.5	14.6	13.8	10.6	7.9	8.2	7.4	118.1
	CLOUDY	48	16.9	14.3	15.2	11.7	10.9	9.2	11.8	10.0	9.8	8.9	11.5	15.9	146.1
PR	MEAN STATION PRESSURE(IN)	26	30.13	30.09	30.03	29.98	29.96	29.95	30.00	29.97	29.95	30.02	30.08	30.12	30.02
	MEAN SEA-LEVEL PRES. (IN)	26	30.16	30.12	30.06	30.02	29.99	29.98	30.03	30.00	29.98	30.05	30.11	30.15	30.05
WINDS	MEAN SPEED (MPH)	26	9.1	9.5	9.3	9.3	8.2	6.8	5.9	6.0	7.5	8.0	8.4	8.9	8.1
	PREVAIL.DIR.(TENS OF DEGS)	31	01	36	17	17	19	19	25	05	05	05	01	36	19
	MAXIMUM 2-MINUTE: SPEED (MPH)	13	48	43	39	45	44	40	46	40	46	39	39	39	48
	DIR. (TENS OF DEGS)		27	21	25	30	32	25	04	02	01	17	28	24	27
	YEAR OF OCCURRENCE		1998	1998	2009	2004	2004	2004	2005	1997	2002	2002	2004	2000	JAN 1998
	MAXIMUM 3-SECOND SPEED (MPH)	13	63	51	51	55	64	64	55	48	63	51	46	51	64
	DIR. (TENS OF DEGS)		33	21	19	29	02	25	03	04	04	13	21	25	25
	YEAR OF OCCURRENCE		1998	1998	2006	2004	2004	2004	2005	1997	2008	2002	2002	2005	JUN 2004
PRECIPITATION	NORMAL (IN)	30	5.87	5.47	5.24	5.02	4.62	6.83	6.20	6.15	5.55	3.05	5.09	5.07	64.16
	MAXIMUM MONTHLY (IN)	63	19.28	12.59	19.09	16.12	21.18	17.62	13.15	16.12	18.98	13.20	19.81	25.92	25.92
	YEAR OF OCCURRENCE		1998	1983	1948	1980	1995	2001	1991	1977	1998	1985	1989	2009	DEC 2009
	MINIMUM MONTHLY (IN)	63	0.19	0.15	0.24	0.28	0.07	0.23	1.38	1.68	0.24	0.00	0.21	1.46	0.00
	YEAR OF OCCURRENCE		2003	1989	1955	1976	2000	1979	2000	1980	1953	1978	1949	1958	OCT 1978
	MAXIMUM IN 24 HOURS (IN)	63	6.08	5.60	7.87	8.08	12.40	7.40	4.43	4.96	9.55	6.08	12.66	8.76	12.66
	YEAR OF OCCURRENCE		1978	1961	1948	1988	1995	1988	1996	1992	2002	2007	1989	2009	NOV 1989
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	10.5	8.4	8.6	7.2	8.0	11.8	13.9	13.2	10.2	5.9	8.6	9.4	115.7
	PRECIPITATION >= 1.00	30	1.9	1.8	2.1	1.5	1.6	2.5	1.7	1.7	1.7	1.0	1.8	1.5	20.8
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
	MAXIMUM MONTHLY (IN)	51	0.4	2.0	T	T	T	0.0	0.0	0.0	0.0	0.0	T	2.7	2.7
	YEAR OF OCCURRENCE		1985	1958	1993	1996	1989						1950	1963	DEC 1963
	MAXIMUM IN 24 HOURS (IN)	50	0.4	2.0	T	T	T	0.0	0.0	0.0	0.0	0.0	T	2.7	2.7
	YEAR OF OCCURRENCE		1985	1958	1993	1996	1989						1950	1963	DEC 1963
	MAXIMUM SNOW DEPTH (IN)	48	2	2	0	0	0	0	0	0	0	0	0	1	2
	YEAR OF OCCURRENCE		1964	1958										1989	JAN 1964
	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 NEW ORLEANS (KMSY)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1980	6.37	3.09	10.08	16.12	9.65	3.69	4.84	1.68	6.31	5.87	3.85	1.54	73.09
1981	0.94	8.34	2.70	2.28	5.35	8.47	1.92	11.10	4.78	2.03	1.10	5.50	54.51
1982	2.76	7.88	2.56	5.86	1.19	5.43	13.07	1.92	5.40	3.84	5.45	10.26	65.62
1983	3.31	12.59	4.88	14.86	3.71	10.64	2.95	6.29	5.72	4.88	6.32	9.15	85.30
1984	4.10	5.27	4.90	1.72	3.54	7.21	3.86	9.51	3.79	2.84	2.80	2.53	52.07
1985	4.83	9.28	7.07	2.11	1.16	4.56	6.92	6.37	5.74	13.20	0.96	4.78	66.98
1986	3.49	2.93	1.88	1.50	1.61	8.87	3.60	6.74	1.42	2.87	7.90	5.05	47.86
1987	8.88	7.38	4.39	2.27	3.46	15.01	6.38	5.05	1.29	0.72	2.92	2.88	60.63
1988	3.74	11.31	8.90	9.25	1.68	11.28	6.78	7.53	5.86	2.87	1.26	3.94	74.40
1989	2.47	0.15	7.14	3.20	3.50	8.22	8.34	3.31	4.53	0.51	19.81	6.28	67.46
1990	7.59	11.45	5.98	4.59	5.87	1.01	2.30	2.45	4.55	2.38	3.21	9.67	61.05
1991	19.25	5.42	6.27	15.29	14.28	10.71	13.15	7.86	3.44	1.88	2.19	2.63	102.37
1992	9.94	8.73	6.69	2.52	0.95	9.52	5.75	9.64	6.63	0.55	15.27	5.68	81.87
1993	6.21	2.34	5.65	6.82	7.23	4.96	5.77	2.26	2.47	3.67	2.43	2.90	52.71
1994	3.25	0.54	4.82	2.83	3.67	9.35	8.95	4.59	5.61	2.30	1.39	4.61	51.91
1995	3.66	4.94	7.89	3.81	21.18	2.84	6.44	3.26	0.69	1.31	4.24	5.07	65.33
1996	4.66	1.56	2.97	3.87	1.37	8.60	10.32	8.76	3.96	2.59	3.10	5.55	57.31
1997	6.32	6.88	2.57	4.91	5.03	6.97	3.94	2.25	0.81	1.36	8.09	2.55	51.68
1998	19.28	4.28	5.97	4.39	0.43	3.38	6.56	8.30	18.98	1.82	3.40	2.25	79.04
1999	3.20	0.92	4.60	0.30	3.37	12.20	4.05	5.21	2.87	5.46	0.28	3.85	46.31
2000	2.25	1.81	2.41	1.13	0.07	5.46	1.38	2.35	6.50	1.10	11.72	2.70	38.88
2001	3.05	1.59	8.07	1.08	6.85	17.62	6.97	7.41	6.30	5.13	2.54	2.90	69.51
2002	3.29	2.76	3.58	2.14	3.04	4.83	4.54	4.09	14.23	10.09	5.10	4.82	62.51
2003	0.19	4.56	4.46	6.19	3.04	17.37	6.41	6.19	5.68	4.12	6.13	1.94	66.28
2004	3.00	8.41	1.11	14.81	10.04	13.58	3.89	3.75	1.29	8.53	7.43	3.44	79.28
2005	4.41	8.24	4.68	3.31	2.59	2.52	10.65	8.27	4.22	0.04	0.75	3.32	53.00
2006	2.95	3.16	0.63	3.78	0.28	2.78	4.86	6.70	4.72	3.24	2.75	10.03	45.88
2007	4.86	2.30	2.09	1.65	8.57	8.64	4.26	4.08	2.12	9.44	0.58	4.71	53.30
2008	3.34	2.88	2.15	6.70	7.19	4.40	3.24	7.21	11.17	1.78	1.77	2.21	54.04
2009	6.40	4.39	5.07	1.33	2.63	2.13	5.73	9.50	9.22	5.97	1.02	25.92	79.31
POR= 71 YRS	4.84	4.99	4.83	4.51	4.59	6.00	6.32	5.77	5.53	3.18	4.19	5.17	59.92

WBAN : 12916

AVERAGE TEMPERATURE (°F) 2009 NEW ORLEANS (KMSY)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1980	56.1	52.0	62.0	66.2	77.9	83.3	85.8	85.5	83.5	68.8	60.0	53.6	69.6
1981	48.5	55.3	61.9	71.4	74.8	83.8	85.0	83.1	77.9	71.1	64.9	54.5	69.4
1982	54.5	55.0	65.9	69.8	76.5	81.5	81.4	82.2	76.8	70.4	62.5	59.4	69.7
1983	50.2	53.8	58.3	64.3	74.0	77.6	81.5	82.4	75.3	69.1	60.0	49.5	66.3
1984	46.6	53.9	59.3	67.5	73.7	77.4	78.8	79.2	76.3	73.5	58.8	62.4	67.3
1985	45.2	52.3	65.3	69.0	74.7	79.3	80.2	81.6	77.0	72.6	67.3	51.0	68.0
1986	51.2	59.2	60.6	67.2	76.7	81.0	83.2	81.6	81.0	70.4	66.3	53.2	69.3
1987	50.0	56.3	60.3	66.2	76.8	79.9	82.9	83.5	78.2	64.4	61.6	59.0	68.3
1988	49.4	53.2	60.9	68.4	73.3	78.5	81.6	81.4	79.8	68.0	65.6	56.0	68.0
1989	60.2	55.9	62.8	67.0	76.4	79.4	81.4	81.7	76.9	67.5	62.4	46.9	68.2
1990	57.2	61.3	63.3	67.6	76.2	82.6	82.3	83.0	79.6	68.1	62.3	59.0	70.2
1991	52.8	58.2	64.2	71.2	77.5	81.3	83.5	81.7	78.2	71.6	55.9	57.6	69.5
1992	51.1	58.3	62.0	66.4	72.8	80.6	83.1	79.6	78.5	69.5	57.4	58.2	68.1
1993	57.2	54.7	58.8	64.0	71.9	80.4	83.3	83.6	79.7	69.9	58.0	52.2	67.8
1994	50.0	56.9	60.8	69.6	75.1	81.4	80.8	81.3	77.8	70.8	65.3	56.5	68.9
1995	53.0	56.3	63.0	68.8	77.6	79.3	83.9	84.7	79.5	71.3	59.8	55.2	69.4
1996	52.9	55.9	58.4	67.1	78.1	80.6	82.8	81.1	79.0	70.4	63.3	57.3	68.9
1997	53.8	57.1	66.4	65.4	74.5	79.6	83.4	83.6	81.1	71.3	58.6	52.8	69.0
1998	56.1	55.9	59.8	67.5	78.8	83.7	85.3	84.6	81.1	73.3	65.4	59.1	70.9
1999	57.7	61.1	61.6	73.1	76.7	81.4	82.2	85.5	78.2	70.7	62.0	55.2	70.5
2000	56.4	60.6	66.0	68.9	80.1	81.7	84.6	84.4	79.3	69.8	59.9	49.6	70.1
2001	50.2	60.3	59.4	72.2	76.1	80.3	82.9	82.5	78.5	68.3	65.0	57.6	69.4
2002	54.7	51.9	62.1	72.5	76.6	80.8	83.4	82.8	80.9	74.0	59.9	54.2	69.5
2003	49.1	55.4	62.6	69.6	79.7	81.2	82.6	84.0	80.6	72.4	66.3	53.7	69.8
2004	53.7	53.0	65.4	67.6	75.5	81.0	82.6	81.6	80.7	76.6	65.4	52.4	69.6
2005	57.9	59.4	60.8	68.1	75.6	82.0	83.7	84.8	83.2	71.8	64.0	53.9	70.4
2006	59.3	56.7	65.8	73.5	76.9	83.8	83.1	83.5	79.2	71.6	59.9	55.1	70.7
2007	53.6	53.9	65.1	67.5	75.5	81.3	82.0	85.1	81.7	72.1	62.9	60.3	70.1
2008	53.0	59.1	62.4	69.2	76.7	82.6	83.8	82.5	78.9	70.2	61.0	59.3	69.9
2009	55.4	58.7	65.4	68.9	78.2	83.3	84.1	82.8	81.0	71.8	61.0	53.4	70.3
POR= 71 YRS	53.1	55.3	62.0	68.4	75.6	80.4	82.4	82.3	78.5	70.3	60.7	55.1	68.7

HEATING DEGREE DAYS (base 65°F) 2009 NEW ORLEANS (KMSY)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1980-81	0	0	0	35	195	363	504	275	123	12	0	0	1507
1981-82	0	0	0	36	100	333	365	278	127	29	0	0	1268
1982-83	0	0	0	31	146	234	453	309	217	81	1	0	1472
1983-84	0	0	1	37	183	483	564	321	197	48	2	0	1836
1984-85	0	0	2	14	214	146	605	359	62	28	0	0	1430
1985-86	0	0	0	12	49	443	421	195	160	28	0	0	1308
1986-87	0	0	0	28	85	370	464	242	168	75	0	0	1432
1987-88	0	0	0	58	149	222	490	351	166	23	0	0	1459
1988-89	0	0	0	12	92	301	186	292	155	60	0	0	1098
1989-90	0	0	0	53	142	559	253	136	101	41	0	0	1285
1990-91	0	0	0	62	122	244	371	196	105	8	0	0	1108
1991-92	0	0	0	22	312	262	426	203	128	54	5	0	1412
1992-93	0	0	0	2	240	218	248	285	209	82	0	0	1284
1993-94	0	0	0	42	259	399	464	263	177	49	0	0	1653
1994-95	0	0	0	16	72	268	375	257	123	33	0	0	1144
1995-96	0	0	0	16	186	358	380	307	248	54	1	0	1550
1996-97	0	0	0	17	116	253	373	248	58	44	0	0	1109
1997-98	0	0	0	38	202	383	273	251	210	25	0	0	1382
1998-99	0	0	0	2	48	243	263	150	118	21	0	0	845
1999-00	0	0	0	23	112	318	295	181	63	33	0	0	1025
2000-01	0	0	4	34	227	469	453	181	184	16	0	0	1568
2001-02	0	0	0	44	60	249	356	365	184	13	0	0	1271
2002-03	0	0	0	1	186	336	487	265	97	39	0	0	1411
2003-04	0	0	0	3	89	345	360	344	61	39	3	0	1244
2004-05	0	0	0	2	71	397	249	174	164	11	0	0	1068
2005-06	0	0	0	47	116	350	190	245	74	0	0	0	1022
2006-07	0	0	0	22	175	310	358	311	91	63	0	0	1330
2007-08	0	0	0	29	122	207	384	193	143	32	0	0	1110
2008-09	0	0	0	36	144	242	322	198	78	36	0	0	1056
2009-	0	0	0	39	134	357							

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COOLING DEGREE DAYS (base 65°F) 2009 NEW ORLEANS (KMSY)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1980	10	13	70	85	409	554	653	640	561	160	51	17	3223
1981	0	12	35	210	311	570	627	565	396	231	102	12	3071
1982	49	6	160	182	366	504	517	541	363	208	78	66	3040
1983	0	0	16	67	286	385	518	545	317	171	42	10	2357
1984	0	6	31	130	281	379	436	448	351	286	33	71	2452
1985	0	10	78	154	308	437	480	521	366	251	124	13	2742
1986	0	40	32	99	370	487	573	524	488	203	127	9	2952
1987	3	4	30	120	373	456	562	580	402	48	53	42	2673
1988	14	15	49	131	263	411	523	513	448	113	118	30	2628
1989	46	43	95	124	363	439	515	525	365	137	70	6	2728
1990	17	40	56	127	353	538	545	567	448	166	50	62	2969
1991	2	12	88	202	396	496	580	524	402	233	47	40	3022
1992	0	18	41	103	258	472	568	459	408	149	20	14	2510
1993	13	4	26	61	222	468	572	585	447	200	57	8	2663
1994	4	40	54	191	320	501	495	513	390	204	94	12	2818
1995	10	20	67	155	399	434	594	615	444	216	39	59	3052
1996	13	50	47	124	412	473	558	507	427	189	70	21	2891
1997	34	31	107	67	301	445	576	583	489	238	19	9	2899
1998	4	1	59	108	435	568	635	613	489	267	68	70	3317
1999	41	48	20	273	369	497	543	643	403	209	29	23	3098
2000	35	58	103	159	477	506	616	610	439	192	79	0	3274
2001	0	56	19	239	353	469	564	550	410	153	69	29	2911
2002	45	4	100	248	368	482	577	559	483	289	40	7	3202
2003	2	6	29	184	463	493	551	594	473	237	135	2	3169
2004	19	3	80	127	337	490	553	524	479	368	91	15	3086
2005	33	21	43	108	334	517	586	620	551	263	94	14	3184
2006	21	20	105	262	375	568	566	583	431	235	32	7	3205
2007	12	5	96	145	337	496	534	630	510	258	65	68	3156
2008	19	29	67	164	367	537	591	551	422	204	32	72	3055
2009	30	29	98	159	415	557	601	555	487	258	21	7	3217

SNOWFALL (inches) 2009 NEW ORLEANS (KMSY)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1976-77	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
1977-78	0.0	0.0	0.0	0.0	0.0	0.0	T	T	0.0	0.0	0.0	0.0	T
1978-79	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
1979-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	T
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	T	0.0	0.0	0.0	0.0	0.0	T
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	0.4	0.0	0.0	0.0	0.0	0.0	0.4
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	T	0.0	0.0	0.0	0.0	T
1988-89	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	T	0.0	T
1989-90	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	T	0.0	0.0	0.5
1990-91	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	T	0.0	0.0	T
1991-92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	T
1992-93	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	T
1993-94	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	T
1994-95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	T
1995-96	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	T			
1996-97													
1997-98													
1998-99													
1999-00													
2000-01							T						
2001-02													
2002-03													
2003-04													
2004-05													
2005-													
POR= 49 YRS	0.0	0.0	0.0	0.0	0.0	0.1	T	0.1	T	T	T	0.0	0.2

WBAN : 12916

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 MEDADATA SYSTEM", URL IS: https://mi3.ncdc.noaa.gov/mi3qry/login.cfm</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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2009

NEW ORLEANS

LOUISIANA (KMSY)

The New Orleans metropolitan area is virtually surrounded by water. Lake Pontchartrain, some 610 square miles in area, borders the city on the north and is connected to the Gulf of Mexico through Lake Borgne on the east. In other directions there are bayous, lakes, and marshy delta land. The proximity of the Gulf of Mexico also has a great influence on the climate. Elevations in the city vary from a few feet below to a few feet above mean sea level. A massive levee system surrounding the city and along the Mississippi River offers protection against flooding from the river and tidal surges. The New Orleans International Airport is located 12 miles west of downtown New Orleans, between the Mississippi River and Lake Pontchartrain.

The climate of the city can best be described as humid with the surrounding water modifying the temperature and decreasing the range between the extremes. Almost daily sporadic afternoon thunderstorms from mid-June through September keep the temperature from rising much above 90 degrees. From about mid-November to mid-March, the area is subjected alternately to the southerly flow of warm tropical air and to the northerly flow of cold continental air in periods of varying lengths. The usual track of winter storms is to the north of New Orleans, but occasionally one moves this far south, bringing large and rather sudden drops in temperature. However, the cold spells seldom last over three or four days. The lowest temperatures observed are below 10 degrees. In about two-thirds of the years, the lowest temperature is about 24 degrees or warmer. The lowest temperatures in some years are entirely above freezing.

During the winter and spring, the cold Mississippi River water enhances the formation of river fogs, particularly when light southerly winds bring warm, moist air into the area from the Gulf of Mexico. The nearby lakes and marshes also contribute to fog formation. Even so, the fog usually does not seriously affect automobile traffic except for brief periods. However, air travel will be suspended for several hours and river traffic, at times, will be unable to move between New Orleans and the Gulf for several days.

Rather frequent and sometimes very heavy rains are typical for this area. There are an average of 120 days of measurable rain per year and an annual average accumulation of over 60 inches. A fairly definite rainy period occurs from mid-December to mid-March. Precipitation during this period is most likely to be steady rain for two to three day periods. April, May, October, and November are generally dry, but there have been some extremely heavy showers in those months. The greatest 24-hour amounts have exceeded 14 inches. Snowfall is rather infrequent and light. However, on rare occasions, snowstorms have produced accumulations over 8 inches.

While thunder occurs with most of the showers in the area, thunderstorms with damaging winds are infrequent. Hail of a damaging nature seldom occurs, and tornadoes are extremely rare. However, waterspouts are observed quite often on nearby lakes. Hurricanes have effected the area.

The lower Mississippi River floods result from runoff upstream. If the water level in the river becomes dangerously high, the spillways upriver can be opened to divert the floodwaters. Rainfall in the New Orleans area is pumped into the surrounding lakes and bayous. Local street and minor urban flooding of short duration result from occasional downpours.

Air pollution is not a serious problem. The area is not highly industrialized, and long periods of air stagnation are rare.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is December 5 and the average last occurrence in the spring is February 20.

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