

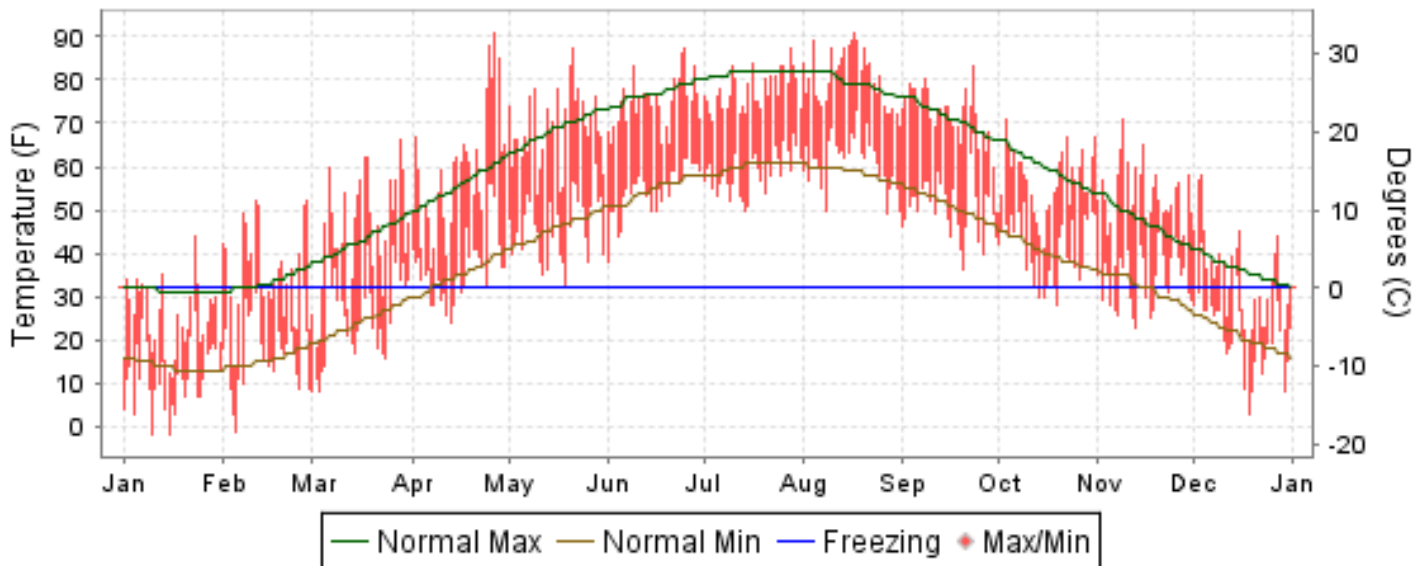


2009 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

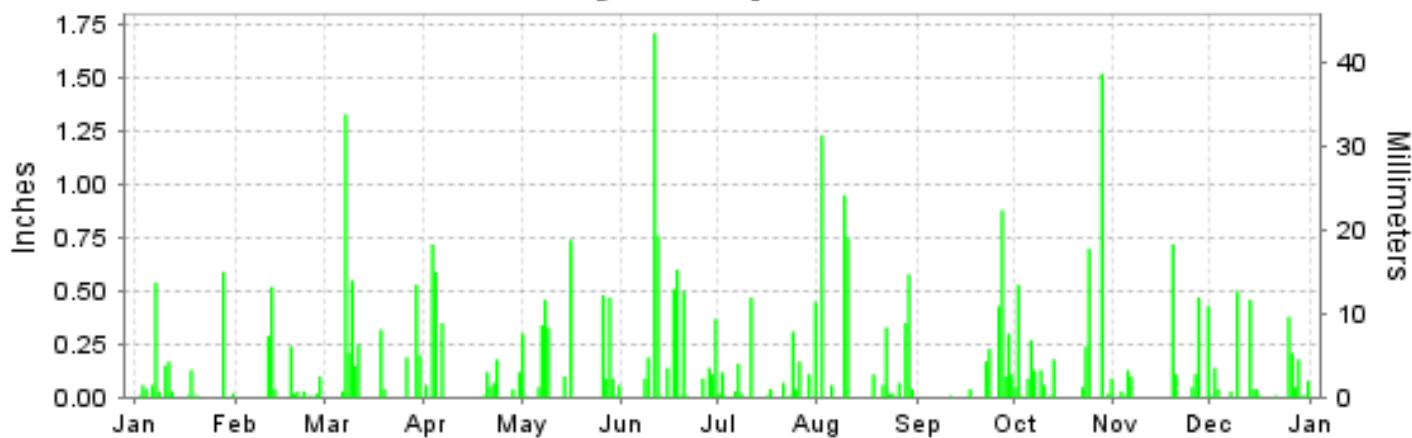
ISSN 0198-3679

SYRACUSE, NEW YORK (KSYR)

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

SYRACUSE (KSYR)

LATITUDE: 43° 6' N LONGITUDE: -76° 6' W ELEVATION (FT): GRND: 410 BARO: 417 TIME ZONE: EASTERN (UTC -5) WBAN: 14771

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	25.0	35.0	44.9	59.5	68.8	74.9	77.4	80.5	71.8	56.9	53.1	34.5	56.9	
	HIGHEST DAILY MAXIMUM	44	52	66	91	87	87	87	91	83	71	71	58	91	
	DATE OF OCCURRENCE	23	27+	28	27	21	25	28	17	23	03	09	03	AUG 17	
	MEAN DAILY MINIMUM	11.5	17.7	25.6	36.9	46.1	54.6	58.6	61.2	50.8	41.0	33.8	21.7	38.3	
	LOWEST DAILY MINIMUM	-2	-1	8	24	32	38	50	49	36	28	23	3	-2	
	DATE OF OCCURRENCE	15+	05	03+	13	19	01	14	27	20	19	13	18	JAN 15+	
	AVERAGE DRY BULB	18.3	26.4	35.3	48.2	57.5	64.8	68.0	70.9	61.3	49.0	43.5	28.1	47.6	
	MEAN WET BULB	17.1	24.2	30.8	41.7	50.9	58.6	61.5	64.5	55.8	44.4	39.6	25.5	42.9	
	MEAN DEW POINT	12.1	18.5	22.4	33.4	43.8	54.2	57.1	60.4	51.6	39.4	34.2	19.3	37.2	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	1	0	0	0	0	1	0	0	0	0	2
MAXIMUM <= 32°	25	11	6	0	0	0	0	0	0	0	0	14	56		
MINIMUM <= 32°	31	28	21	9	1	0	0	0	0	6	13	28	137		
MINIMUM <= 0°	2	1	0	0	0	0	0	0	0	0	0	0	3		
H/C	HEATING DEGREE DAYS	1442	1076	914	515	237	58	11	13	129	489	640	1138	6662	
	COOLING DEGREE DAYS	0	0	0	17	12	57	113	206	27	0	0	0	432	
RH	MEAN (PERCENT)	76	73	64	62	64	73	71	71	73	72	71	70	70	
	HOUR 01 LST	80	77	72	74	77	86	83	83	85	80	78	71	79	
	HOUR 07 LST	81	78	73	65	70	77	73	76	79	76	80	74	75	
	HOUR 13 LST	67	64	50	49	49	59	57	55	54	58	56	61	57	
	HOUR 19 LST	77	74	62	61	60	70	70	73	75	73	71	72	70	
S	PERCENT POSSIBLE SUNSHINE	39	43	55	57	55		53							
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	1	2	0	0	0	0	0	0	0	0	0	0	3	
	THUNDERSTORMS	0	0	1	1	3	6	6	7	0	1	0	0	25	
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.)	29.51	29.56	29.70	29.49	29.55	29.41	29.46	29.54	29.64	29.56	29.66	29.58	29.56	
	MEAN SEA-LEVEL PRESS. (IN.)	29.99	30.02	30.15	29.94	29.99	29.85	29.90	29.98	30.10	30.00	30.11	30.08	30.01	
WINDS	RESULTANT SPEED (MPH)	5.4	4.9	2.5	2.9	2.9	2.0	3.0	2.4	0.9	1.6	1.3	3.8	2.7	
	RES. DIR. (TENS OF DEGS.)	28	29	31	31	28	34	27	27	27	27	30	29	29	
	MEAN SPEED (MPH)	9.7	9.4	8.0	9.6	7.8	5.7	6.7	5.9	5.8	7.1	6.5	9.4	7.6	
	PREVAIL.DIR.(TENS OF DEGS.)	28	29	34	11	30	34	29	29	11	10	11	28	28	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	35	35	37	37	38	25	29	30	28	37	30	37	38	
	DIR. (TENS OF DEGS.)	28	29	28	27	27	31	30	29	21	27	30	30	27	
	DATE OF OCCURRENCE	13	12	11	03	09	28	07	18	28	07	20	28	MAY 09	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	41	46	47	46	53	32	37	35	37	53	40	52	53	
DIR. (TENS OF DEGS.)	28	27	28	29	28	29	33	29	21	27	32	27	27		
DATE OF OCCURRENCE	13	12	11	04	09	28	04	18	28	07	28	10	OCT 07		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	1.86	1.30	3.80	2.31	3.53	5.24	2.04	4.57	2.27	4.08	2.16	2.20	35.36	
	GREATEST 24-HOUR (IN.)	0.60	0.56	1.42	0.93	0.74	2.47	0.47	1.60	1.29	1.52	0.83	0.50	2.47	
	DATE OF OCCURRENCE	06-07	12-13	07-08	03-04	16	11-12	11	09-10	26-27	28	19-20	09	JUN 11-12	
	NUMBER OF DAYS WITH:														
PRECIPITATION 0.01	15	10	11	11	14	15	16	13	9	16	10	17	157		
PRECIPITATION 0.10	5	4	9	6	8	10	7	7	7	8	7	6	84		
PRECIPITATION 1.00	0	0	1	0	0	1	0	1	0	1	0	0	4		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)	49.8	24.2	0.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.3	22.2	98.1	
	GREATEST 24-HOUR (IN.)	9.3	9.5	0.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.3	4.7	9.5	
	DATE OF OCCURRENCE	28	20	04	07							06	29	FEB 20	
	MAXIMUM SNOW DEPTH (IN.)	15	14	T	T	0	0	0	0	0	0	0	6	15	
	DATE OF OCCURRENCE	29	01	12+	08+								30	JAN 29	
NUMBER OF DAYS WITH:															
SNOWFALL >= 1.0	14	6	0	0	0	0	0	0	0	0	0	6	26		

NORMALS, MEANS, AND EXTREMES SYRACUSE (KSYR)

LATITUDE: 43° 6' N **LONGITUDE:** -76° 6' W **ELEVATION (FT):** GRND: 410 BARO: 417 **TIME ZONE:** EASTERN (UTC -5) **WBAN: 14771**

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	31.4	33.5	43.1	55.7	68.5	77.0	81.7	79.6	71.4	59.8	47.4	36.3	57.1
	MEAN DAILY MAXIMUM	88	31.7	32.3	42.0	55.3	67.9	76.4	81.6	79.8	71.6	60.6	47.6	35.8	56.9
	HIGHEST DAILY MAXIMUM	59	70	69	87	92	96	98	98	101	97	87	81	72	101
	YEAR OF OCCURRENCE		2008	1981	1986	1990	1977	1953	2002	2002	1953	1963	1950	2001	AUG 2002
	MEAN OF EXTREME MAXS.	88	54.2	53.4	67.8	79.4	85.8	91.0	92.3	91.2	87.4	79.2	68.7	57.8	75.7
	NORMAL DAILY MINIMUM	30	14.0	15.5	24.2	34.9	45.8	54.6	60.1	58.8	51.1	40.4	32.0	20.9	37.7
	MEAN DAILY MINIMUM	88	15.9	16.3	25.2	35.8	46.4	55.4	60.9	59.4	51.6	41.7	32.9	21.8	38.6
	LOWEST DAILY MINIMUM	59	-26	-26	-16	9	25	35	45	40	28	19	5	-22	-26
	YEAR OF OCCURRENCE		1966	1979	1950	1972	1966	1966	1976	1965	1991	1976	1976	1980	FEB 1979
	MEAN OF EXTREME MINS.	88	-7.4	-4.8	5.1	22.3	32.9	42.1	49.8	46.8	36.6	27.3	17.2	-0.1	22.3
	NORMAL DRY BULB	30	22.7	24.5	33.6	45.3	57.1	65.8	70.9	69.2	61.3	50.1	39.7	28.6	47.4
	MEAN DRY BULB	88	23.8	24.3	33.7	45.6	57.2	66.1	71.2	69.7	61.7	51.2	40.3	28.9	47.8
	MEAN WET BULB	26	21.8	22.6	28.8	40.1	50.5	59.9	64.1	63.2	56.7	45.8	36.6	26.8	43.1
	MEAN DEW POINT	26	18.4	18.6	24.4	35.3	46.6	56.6	61.3	60.6	54.1	42.7	33.3	23.6	39.6
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	0.0	*	0.4	1.5	3.9	1.7	0.3	0.0	0.0	0.0	7.8
	MAXIMUM <= 32	30	16.5	13.5	5.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	1.7	10.3	47.9
MINIMUM <= 32	30	28.2	25.1	23.4	11.2	0.5	0.0	0.0	0.0	0.2	5.0	15.3	26.0	134.9	
MINIMUM <= 0	30	4.2	2.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	9.1	
H/C	NORMAL HEATING DEG. DAYS	30	1296	1131	959	579	258	66	10	25	158	460	748	1113	6803
	NORMAL COOLING DEG. DAYS	30	0	0	1	4	29	105	203	158	48	3	0	0	551
RH	NORMAL (PERCENT)	30	75	72	69	66	68	71	72	75	77	75	76	77	73
	HOURLY 01 LST	30	77	76	76	75	79	83	84	87	87	83	80	79	81
	HOURLY 07 LST	30	78	79	79	76	77	79	81	87	88	85	82	81	81
	HOURLY 13 LST	30	68	64	60	54	55	57	56	59	62	61	68	71	61
	HOURLY 19 LST	30	75	72	67	60	60	63	63	70	76	75	76	78	70
S	PERCENT POSSIBLE SUNSHINE	57	35	39	46	49	54	59	63	58	53	44	27	26	46
W/O	MEAN NO. DAYS WITH: HEAVY FOG (VISIB <= 1/4 MI)	46	0.8	0.9	0.9	0.5	0.6	0.4	0.5	0.7	0.9	1.0	0.8	0.8	8.8
	THUNDERSTORMS	64	0.2	0.2	0.8	1.8	3.4	5.1	6.3	5.3	2.5	0.9	0.5	0.1	27.1
CLOUDNESS	MEAN: SUNRISE-SUNSET (OKTAS)														
	MIDNIGHT-MIDNIGHT (OKTAS)														
	MEAN NO. DAYS WITH: CLEAR														
	PARTLY CLOUDY CLOUDY	1	3.0	5.0	11.0		9.0	6.0							
PR	MEAN STATION PRESSURE (IN)	26	29.56	29.59	29.60	29.53	29.53	29.51	29.53	29.58	29.61	29.62	29.61	29.60	29.57
	MEAN SEA-LEVEL PRES. (IN)	26	30.04	30.07	30.05	29.97	29.97	29.95	29.96	30.01	30.05	30.06	30.05	30.06	30.02
WINDS	MEAN SPEED (MPH)	26	9.9	9.7	9.6	9.2	8.1	7.3	6.9	6.4	7.0	7.7	9.2	9.6	8.4
	PREVAIL. DIR. (TENS OF DEGS)	33	26	27	28	30	29	28	27	28	10	26	26	26	26
	MAXIMUM 2-MINUTE: SPEED (MPH)	16	47	52	43	43	43	36	54	38	59	43	53	48	59
	DIR. (TENS OF DEGS)		28	26	25	29	29	33	28	30	32	27	23	25	32
	YEAR OF OCCURRENCE		2008	2006	1996	2008	1998	2007	1999	2007	1998	2003	2005	2000	SEP 1998
	MAXIMUM 3-SECOND SPEED (MPH)	16	59	64	51	59	56	52	66	56	77	54	69	62	77
	DIR. (TENS OF DEGS)		29	26	32	33	28	33	28	23	32	27	24	25	32
	YEAR OF OCCURRENCE		2008	2006	2008	2007	1998	2007	1999	2001	1998	2003	2005	2000	SEP 1998
PRECIPITATION	NORMAL (IN)	30	2.60	2.12	3.02	3.39	3.39	3.71	4.02	3.56	4.15	3.20	3.77	3.12	40.05
	MAXIMUM MONTHLY (IN)	59	5.77	5.38	6.84	8.12	7.82	12.30	10.12	8.41	8.81	8.29	6.79	5.50	12.30
	YEAR OF OCCURRENCE		1978	1951	1955	1976	2004	1972	2006	1956	1975	1955	1972	1983	JUN 1972
	MINIMUM MONTHLY (IN)	59	1.02	0.63	1.01	1.22	.59	1.10	0.90	1.02	0.75	0.21	1.25	1.40	0.21
	YEAR OF OCCURRENCE		1970	1987	1981	1985	2005	1962	1969	1999	1964	1963	1978	1999	OCT 1963
	MAXIMUM IN 24 HOURS (IN)	59	2.49	1.99	1.77	2.85	3.13	3.88	4.29	4.27	4.14	3.60	2.09	2.18	4.29
	YEAR OF OCCURRENCE		2008	1961	1993	1976	1969	1972	2006	1954	1975	1955	1996	1952	JUL 2006
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	19.7	15.5	16.5	14.0	12.7	12.2	11.3	11.1	12.6	13.2	16.8	18.3	173.9
PRECIPITATION >= 1.00	30	0.2	0.2	0.2	0.5	0.4	0.7	1.0	0.7	0.9	0.7	0.4	0.4	6.3	
SNOWFALL	NORMAL (IN)	30	31.5	20.1	18.1	4.8	0.1	0.0	0.0	0.0	0.*	0.5	10.7	26.1	111.9
	MAXIMUM MONTHLY (IN)	59	78.1	72.6	54.4	16.4	2.1	T	T	T	T	5.7	25.9	70.3	78.1
	YEAR OF OCCURRENCE		2004	1958	1993	1983	1996	1992	2006	2008	1992	1988	1976	2000	JAN 2004
	MAXIMUM IN 24 HOURS (IN)	59	24.5	21.4	35.6	7.1	2.1	T	T	T	T	2.9	12.1	19.6	35.6
	YEAR OF OCCURRENCE		1966	1961	1993	1975	1996	1992	1992	2008	1992	1988	1973	2003	MAR 1993
	MAXIMUM SNOW DEPTH (IN)	59	39	48	25	8	1	0	0	0	0	2	14	23	48
	YEAR OF OCCURRENCE		1966	1966	1971	1975	1996					1965	1973	1969	FEB 1966
	NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	9.2	5.1	4.8	1.6	0.1	0.0	0.0	0.0	0.0	0.2	2.9	7.1	31.0

PRECIPITATION (inches) 2009 SYRACUSE (KSYR)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1980	1.47	1.38	4.34	3.33	1.34	4.45	2.57	1.33	3.40	2.56	2.64	3.27	32.08
1981	1.34	2.72	1.01	2.04	2.61	1.89	2.68	2.63	5.58	6.66	3.09	2.96	35.21
1982	3.59	1.26	2.63	1.71	2.87	4.64	3.83	2.60	4.22	0.72	4.52	2.55	35.14
1983	1.92	1.07	2.30	6.34	3.33	1.50	2.31	2.80	2.98	1.98	4.30	5.50	36.33
1984	1.30	2.88	2.39	3.16	4.97	2.02	3.66	5.17	2.61	1.95	3.48	4.38	37.97
1985	2.49	1.55	2.61	1.22	3.39	2.80	2.75	1.44	3.88	3.39	5.18	1.80	32.50
1986	2.41	2.27	2.82	3.42	2.67	4.89	5.23	3.36	5.47	3.32	3.74	3.33	42.93
1987	3.03	0.63	1.86	3.31	1.41	5.04	2.16	2.12	5.99	3.13	3.02	1.99	33.69
1988	1.50	2.13	1.79	2.70	3.05	2.46	5.72	3.77	1.88	3.57	3.95	1.92	34.44
1989	1.06	1.71	3.13	1.52	4.27	5.41	2.20	2.68	5.96	4.08	2.78	2.13	36.93
1990	2.13	3.95	3.70	4.09	5.62	2.92	3.72	5.33	3.45	6.09	3.23	5.24	49.47
1991	2.44	1.54	4.07	3.90	3.90	1.67	2.86	4.03	4.20	2.62	2.72	3.10	37.05
1992	2.62	2.46	3.80	3.54	5.21	1.78	8.00	2.64	4.55	2.69	3.75	2.57	43.61
1993	3.08	2.45	3.75	6.55	2.25	2.93	4.76	4.71	3.83	2.91	3.19	3.20	43.61
1994	3.37	1.92	5.14	3.62	3.02	2.38	2.64	5.19	2.43	1.61	3.50	2.52	37.34
1995	1.80	2.19	1.31	1.88	1.70	1.00	1.98	3.50	2.53	6.57	4.83	2.05	31.34
1996	3.35	1.25	1.74	4.28	3.02	3.05	4.24	1.71	4.38	2.14	5.78	4.45	39.39
1997	1.46	2.25	3.57	1.77	2.43	1.64	2.78	4.06	2.75	1.50	4.28	4.13	32.62
1998	4.76	3.14	2.94	2.09	2.37	4.62	3.63	4.77	2.41	2.53	2.06	1.74	37.06
1999	5.33	1.43	3.53	1.75	0.81	1.78	2.55	1.02	5.35	2.77	3.16	1.40	30.88
2000	2.80	2.46	2.37	4.24	4.75	4.46	2.73	2.48	3.13	2.25	2.98	2.36	37.01
2001	1.57	1.77	5.38	1.53	2.24	3.58	2.08	4.84	4.05	2.15	2.92	2.19	34.30
2002	2.13	1.44	2.75	4.38	5.77	5.35	1.75	2.71	3.55	3.98	3.61	2.84	40.26
2003	1.44	2.58	2.89	2.61	5.27	2.83	3.30	3.03	3.14	4.27	3.14	3.10	37.60
2004	1.86	1.12	2.04	3.72	7.82	2.42	6.95	5.09	3.23	2.28	2.81	3.80	43.14
2005	2.96	1.57	1.39	5.71	0.59	1.95	4.61	5.95	1.75	6.40	4.66	2.56	40.10
2006	2.96	1.66	1.86	3.93	2.25	5.09	10.12	3.21	4.04	5.70	2.62	3.76	47.20
2007	4.20	2.49	4.16	4.42	0.86	3.67	3.61	1.76	3.20	4.02	4.17	5.04	41.60
2008	1.36	4.71	5.00	2.99	1.78	3.75	4.28	3.62	2.47	4.87	3.19	3.89	41.91
2009	1.86	1.30	3.80	2.31	3.53	5.24	2.04	4.57	2.27	4.08	2.16	2.20	35.36
POR= 88 YRS	2.70	2.44	3.11	3.25	3.10	3.49	3.58	3.45	3.27	3.21	3.34	3.05	37.99

WBAN : 14771

AVERAGE TEMPERATURE (°F) 2009 SYRACUSE (KSYR)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1980	25.6	19.8	32.4	47.8	59.8	63.0	72.5	73.8	63.4	48.8	37.6	22.6	47.3
1981	15.0	33.7	36.4	50.0	59.2	68.0	73.3	70.4	61.6	47.9	39.0	29.0	48.6
1982	14.8	25.1	33.2	43.9	59.4	63.1	70.4	65.3	60.6	50.4	43.9	34.1	47.0
1983	23.4	26.4	35.7	44.3	53.7	66.7	72.0	69.0	62.5	50.3	39.0	22.5	47.1
1984	18.7	32.0	24.5	46.0	52.4	65.4	68.0	68.8	57.7	52.2	38.3	33.5	46.5
1985	22.0	27.3	36.3	47.8	59.5	62.0	69.8	68.9	63.5	51.4	41.2	26.0	48.0
1986	23.9	23.4	37.4	49.2	61.0	64.3	71.0	66.8	60.5	49.7	36.8	31.6	48.0
1987	23.8	21.4	38.0	51.9	60.3	68.3	73.6	68.5	61.1	47.7	40.9	32.3	49.0
1988	23.1	24.6	34.4	45.7	59.7	64.1	74.0	71.8	60.8	46.6	43.0	27.8	48.0
1989	28.6	22.7	32.9	43.5	58.2	67.3	71.1	68.2	61.8	51.7	38.8	14.7	46.6
1990	33.2	29.0	37.5	49.3	54.5	67.3	71.8	70.3	61.2	52.8	42.2	33.5	50.2
1991	24.3	29.8	37.7	51.0	62.8	68.4	72.4	71.8	60.5	53.1	40.0	30.7	50.2
1992	24.7	26.5	29.3	44.4	57.5	64.0	67.3	67.5	61.3	46.6	39.7	31.0	46.7
1993	27.5	17.0	30.1	46.9	58.0	65.2	72.5	70.7	60.0	48.2	38.6	26.9	46.8
1994	12.7	19.2	30.8	47.9	54.1	68.0	72.9	67.5	60.9	50.6	44.0	31.9	46.7
1995	30.4	20.7	37.4	42.4	56.9	69.4	73.4	71.8	59.1	54.7	35.3	24.2	48.0
1996	21.5	24.6	29.8	43.2	55.0	68.2	69.4	70.3	63.1	50.7	34.7	34.9	47.1
1997	23.9	30.4	33.6	44.2	52.2	67.9	69.8	68.4	60.1	49.1	37.2	30.4	47.3
1998	29.6	31.2	37.9	48.1	62.9	66.3	70.1	71.1	64.0	51.9	41.7	35.4	50.9
1999	22.5	29.6	31.5	46.5	60.7	69.8	75.0	68.9	64.8	49.5	44.3	30.9	49.5
2000	21.3	28.8	40.1	44.3	59.1	65.6	67.0	68.2	60.7	50.9	38.5	21.7	47.2
2001	25.6	27.6	29.9	47.8	59.3	67.2	69.4	73.7	62.3	53.3	47.3	36.8	50.0
2002	32.9	32.3	36.3	48.5	54.1	68.0	73.7	73.0	66.9	50.4	40.7	28.7	50.5
2003	18.9	21.6	34.2	43.8	56.1	64.6	71.2	71.5	63.3	48.6	42.2	30.0	47.2
2004	14.7	23.5	37.5	46.1	60.3	63.8	69.5	68.7	65.0	51.5	41.0	29.1	47.6
2005	21.0	25.7	30.7	48.3	54.2	72.7	74.7	73.8	65.4	52.1	44.0	26.2	49.1
2006	33.5	27.2	34.1	47.8	58.2	67.2	74.2	69.3	60.8	49.3	44.7	37.4	50.3
2007	27.3	18.5	31.6	43.8	58.6	68.4	69.8	70.9	65.4	58.0	37.9	27.9	48.2
2008	29.5	25.8	31.6	51.6	53.7	69.8	71.3	67.0	62.7	48.3	38.2	28.9	48.2
2009	18.3	26.4	35.3	48.2	57.5	64.8	68.0	70.9	61.3	49.0	43.5	28.1	47.6
POR= 88 YRS	23.8	24.3	33.7	45.6	57.2	66.1	71.2	69.7	61.7	51.2	40.3	28.9	47.8

HEATING DEGREE DAYS (base 65°F) 2009 SYRACUSE (KSYR)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1980-81	3	0	120	496	814	1307	1544	869	882	446	221	27	6729
1981-82	2	4	145	523	775	1110	1552	1114	978	626	183	79	7091
1982-83	13	57	152	449	628	951	1280	1073	902	615	351	67	6538
1983-84	11	25	140	457	769	1312	1432	949	1246	563	386	68	7358
1984-85	16	33	227	390	797	971	1329	1048	882	514	193	109	6509
1985-86	10	18	121	415	702	1200	1266	1156	856	471	172	76	6463
1986-87	12	50	155	468	838	1027	1270	1208	831	395	211	35	6500
1987-88	7	27	138	529	717	1007	1290	1167	942	571	187	131	6713
1988-89	9	33	150	574	653	1148	1120	1175	989	639	242	38	6770
1989-90	3	36	151	406	779	1554	976	1001	849	496	319	43	6613
1990-91	4	4	160	386	675	967	1253	980	839	428	153	24	5873
1991-92	1	0	189	378	743	1056	1240	1112	1099	617	245	79	6759
1992-93	15	33	164	562	753	1047	1156	1337	1074	537	230	68	6976
1993-94	2	10	190	515	785	1172	1618	1274	1054	507	345	53	7525
1994-95	0	32	146	439	621	1019	1065	1235	850	671	248	36	6362
1995-96	5	8	194	313	884	1256	1344	1160	1085	648	328	21	7246
1996-97	5	2	123	438	903	929	1267	966	964	613	389	31	6630
1997-98	12	7	156	491	828	1065	1089	941	844	500	102	96	6131
1998-99	3	13	89	403	692	911	1310	986	1032	545	161	41	6186
1999-00	0	14	96	473	613	1049	1349	1042	765	614	224	69	6308
2000-01	22	29	184	427	791	1337	1215	1038	1080	508	190	62	6883
2001-02	16	0	126	366	527	867	988	908	882	519	352	49	5600
2002-03	4	7	55	461	724	1117	1424	1208	946	634	277	71	6928
2003-04	0	17	81	501	675	1078	1553	1196	847	567	179	95	6789
2004-05	5	22	59	414	711	1104	1358	1093	1053	493	330	16	6658
2005-06	0	0	57	402	623	1196	968	1050	952	508	240	49	6045
2006-07	0	15	137	481	601	847	1161	1296	1029	631	237	35	6470
2007-08	12	22	72	239	804	1142	1092	1130	1026	399	350	18	6306
2008-09	2	25	126	509	797	1113	1442	1076	914	515	237	58	6814
2009-	11	13	129	489	640	1138							

WBAN : 14771

COOLING DEGREE DAYS (base 65°F) 2009 SYRACUSE (KSYR)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1980	0	0	0	0	41	62	243	279	80	1	0	0	706
1981	0	0	3	4	47	125	264	180	49	0	0	0	672
1982	0	0	0	0	18	25	186	72	25	0	3	0	329
1983	0	0	0	0	2	125	236	155	70	7	0	0	595
1984	0	0	0	0	4	88	119	154	14	1	0	0	380
1985	0	0	0	7	30	26	165	144	87	0	0	0	459
1986	0	0	5	1	52	62	201	112	28	0	0	0	461
1987	0	0	0	7	73	142	280	143	29	0	0	0	674
1988	0	0	0	0	33	112	296	251	32	9	0	0	733
1989	0	0	0	0	37	112	198	144	59	0	0	0	550
1990	0	0	5	33	2	118	222	177	51	16	0	0	624
1991	0	0	0	16	89	136	237	218	61	16	0	0	773
1992	0	0	0	5	21	54	94	118	60	0	0	0	352
1993	0	0	0	0	17	81	241	195	48	0	0	0	582
1994	0	0	0	1	15	150	251	120	28	0	0	0	565
1995	0	0	0	0	8	178	275	226	26	2	0	0	715
1996	0	0	0	0	22	126	150	175	73	0	0	0	546
1997	0	0	0	0	0	123	167	122	15	3	0	0	430
1998	0	0	9	0	41	140	167	209	65	1	0	0	632
1999	0	0	0	0	34	190	315	141	99	0	0	0	779
2000	0	0	0	1	46	94	91	132	58	0	0	0	422
2001	0	0	0	2	22	137	158	276	51	10	1	0	657
2002	0	0	0	30	19	145	283	263	120	16	0	0	876
2003	0	0	0	6	5	67	198	227	34	0	0	0	537
2004	0	0	0	6	39	63	151	142	67	0	0	0	468
2005	0	0	0	0	4	254	307	279	75	11	0	0	930
2006	0	0	0	0	34	125	289	151	14	0	0	0	613
2007	0	0	0	0	45	142	167	214	88	32	0	0	688
2008	0	0	0	8	6	166	204	91	66	0	0	0	541
2009	0	0	0	17	12	57	113	206	27	0	0	0	432

SNOWFALL (inches) 2009 SYRACUSE (KSYR)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1980-81	0.0	0.0	0.0	T	7.3	28.8	23.4	8.5	10.6	0.4	0.0	0.0	79.0
1981-82	0.0	0.0	0.0	0.5	12.1	37.3	48.2	11.6	14.4	13.0	0.0	0.0	137.1
1982-83	0.0	0.0	0.0	T	1.9	10.9	20.3	8.2	8.3	16.4	T	0.0	66.0
1983-84	0.0	0.0	0.0	0.0	7.6	24.2	21.8	19.7	40.3	T	0.0	0.0	113.6
1984-85	0.0	0.0	0.0	0.0	5.0	23.4	57.3	21.6	7.1	2.0	0.0	0.0	116.4
1985-86	0.0	0.0	0.0	0.0	8.0	28.2	29.9	26.1	11.0	1.7	T	0.0	104.9
1986-87	0.0	0.0	0.0	0.0	16.1	8.8	49.2	15.1	3.0	1.3	0.0	0.0	93.5
1987-88	0.0	0.0	0.0	T	10.8	20.7	18.0	46.1	10.2	5.6	0.0	0.0	111.4
1988-89	0.0	0.0	0.0	5.7	0.2	34.4	19.4	21.7	9.9	6.5	0.0	0.0	97.8
1989-90	0.0	0.0	T	T	12.9	64.6	27.4	33.3	15.2	8.6	0.0	0.0	162.0
1990-91	0.0	0.0	0.0	0.2	7.8	24.5	30.9	27.7	2.8	3.0	0.0	0.0	96.9
1991-92	0.0	0.0	0.0	0.0	5.5	37.9	50.5	27.6	41.3	4.1	0.0	T	166.9
1992-93	T	0.0	T	1.4	10.1	19.8	42.9	51.3	54.4	12.2	0.0	0.0	192.1
1993-94	0.0	0.0	0.0	1.0	17.1	34.0	57.0	30.8	25.3	3.7	0.0	0.0	168.9
1994-95	0.0	0.0	0.0	0.0	3.5	5.9	13.4	32.3	7.1	0.0	0.0	0.0	62.2
1995-96	0.0	0.0	0.0	0.0	34.2	45.1	36.0	16.5	32.2	4.8	2.1	0.0	170.9
1996-97	0.0	0.0	0.0	T	25.9	21.2	38.7	19.1	23.4	2.8	0.0	0.0	131.1
1997-98	0.0	0.0	0.0	1.2	19.3	47.8	31.8	14.7	19.9	0.0	0.0	0.0	134.7
1998-99	0.0	0.0	0.0	0.0	T	13.5	50.7	5.7	28.4	0.0	0.0	0.0	98.3
1999-00	0.0	0.0	0.0	0.0	3.8	15.7	29.9	27.4	7.1	1.9	T	0.0	85.8
2000-01	0.0	0.0	0.0	T	20.2	70.3	28.4	27.8	45.0	0.2	T	0.0	191.9
2001-02	0.0	0.0	0.0	0.2	0.5	7.3	21.2	13.5	14.1	2.6	T	0.0	59.4
2002-03	0.0	0.0	0.0	T	17.2	40.0	44.2	37.1	11.7	3.0	0.0	0.0	153.2
2003-04	0.0	0.0	0.0	T	10.5	48.5	78.1	19.4	20.5	4.3	0.0	T	181.3
2004-05	0.0	0.0	0.0	0.0	2.6	19.0	44.5	42.0	28.1	T	0.0	0.0	136.2
2005-06	T	0.0	0.0	T	8.4	53.0	12.1	34.8	16.3	T	T	0.0	124.6
2006-07	T	0.0	0.0	T	0.1	12.1	37.9	59.5	19.9	10.7	0.0	0.0	140.2
2007-08	0.0	0.0	0.0	T	6.8	49.8	10.1	29.5	12.9	T	0.0	0.0	109.1
2008-09	0.0	T	0.0	0.6	16.1	57.3	49.8	24.2	0.9	0.7	0.0	0.0	149.6
2009-	0.0	0.0	0.0	0.0	0.3	22.2							
POR= 88 YRS	T	T	T	0.5	8.5	24.3	26.7	22.9	16.4	3.7	0.1	T	103.1

WBAN : 14771

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 SYRACUSE NEW YORK (KSYR)

Syracuse is located approximately at the geographical center of the state. Gently rolling terrain stretches northward for about 30 miles to the eastern end of Lake Ontario. Oneida Lake is about 8 miles northeast of Syracuse. Approximately 5 miles south of the city, hills rise to 1,500 feet. Immediately to the west, the terrain is gently rolling with elevations 500 to 800 feet above sea level.

The climate of Syracuse is primarily continental in character and comparatively humid. Nearly all cyclonic systems moving from the interior of the country through the St. Lawrence Valley will affect the Syracuse area. Seasonal and diurnal changes are marked and produce an invigorating climate.

In the summer and in portions of the transitional seasons, temperatures usually rise rapidly during the daytime to moderate levels and as a rule fall rapidly after sunset. The nights are relatively cool and comfortable. There are only a few days in a year when atmospheric humidity causes great personal discomfort.

Winters are usually cold and are sometimes severe in part. Daytime temperatures average in the low 30s with nighttime lows in the teens. Low winter temperatures below -25 degrees have been recorded. The autumn, winter, and spring seasons display marked variability.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is October 16 and the average last occurrence in the spring is April 28.

Precipitation in the Syracuse area is derived principally from cyclonic storms which pass from the interior of the country through the St. Lawrence Valley. Lake Ontario provides the source of significant winter precipitation. The lake is quite deep and never freezes so cold air flowing over the lake is quickly saturated and produces the cloudiness and snow squalls which are a well-known feature of winter weather in the Syracuse area.

The area enjoys sufficient precipitation in most years to meet the needs of agriculture and water supplies. The precipitation is uncommonly well distributed, averaging about 3 inches per month throughout the year. Snowfall is moderately heavy with an average just over 100 inches. There are about 30 days per year with thunderstorms, mostly during the warmer months.

Wind velocities are moderate, but during the winter months there are numerous days with sufficient winds to cause blowing and drifting snow.

During December, January, and February there is much cloudiness. Syracuse receives only about one-third of possible sunshine during winter months. Approximately two-thirds of possible sunshine is received during the warm months.

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