

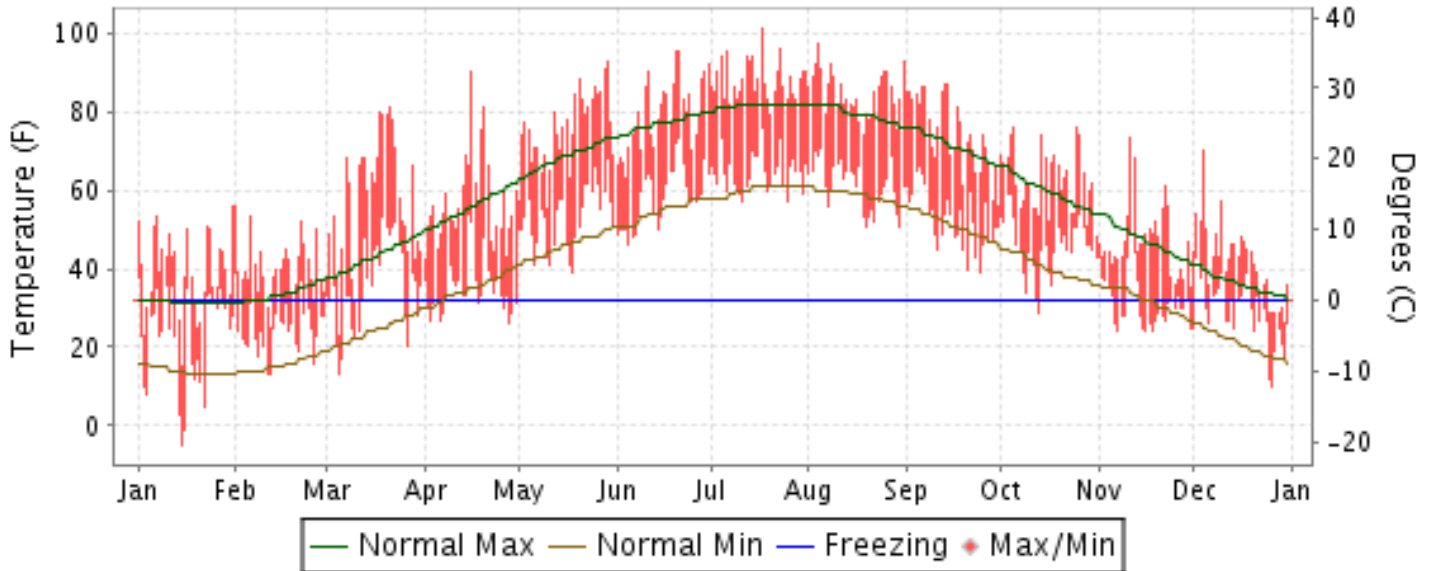


2012 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

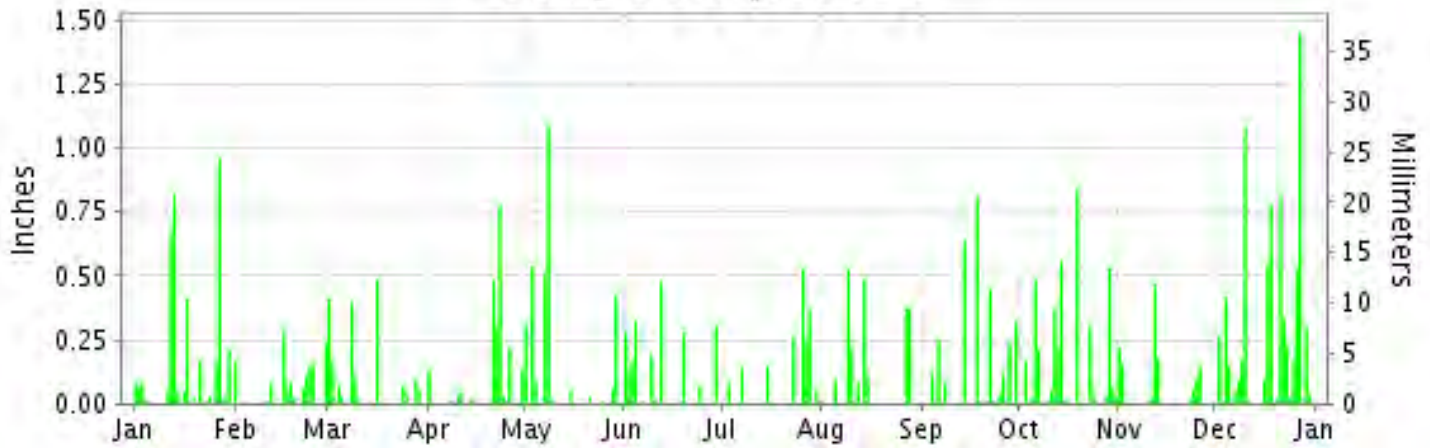
ISSN 0198-3679

SYRACUSE, NEW YORK (KSYR)

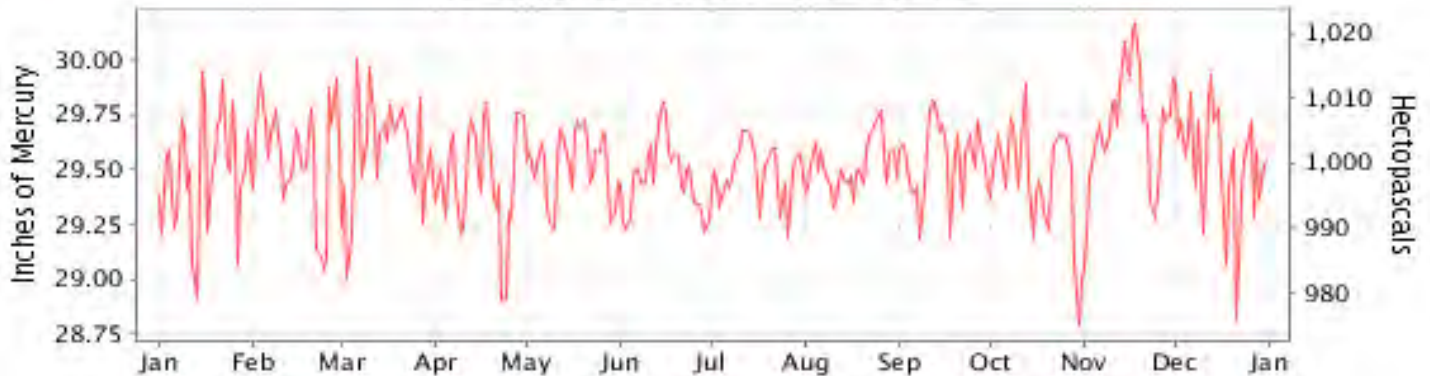
Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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NATIONAL
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NATIONAL
ENVIRONMENTAL SATELLITE, DATA
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NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

Thomas R. Karl
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2012

SYRACUSE (KSYR)

LATITUDE: 43° 6'N LONGITUDE: 76° 6'W ELEVATION (FT): GRND: 413 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	39.4	40.1	57.2	56.8	75.6	79.3	87.9	84.7	74.5	62.6	47.1	41.7	62.2	
	HIGHEST DAILY MAXIMUM	56	56	81	90	93	95	101	97	87	76	73	70	101	
	DATE OF OCCURRENCE	31	01	21	16	29	21+	17	04	14+	25+	11	04	JUL 17	
	MEAN DAILY MINIMUM	22.9	24.5	35.8	34.9	52.9	58.2	64.5	61.3	52.7	45.8	31.6	28.9	42.8	
	LOWEST DAILY MINIMUM	-5	13	13	26	39	46	57	51	39	29	24	10	-5	
	DATE OF OCCURRENCE	15	12+	05	28	18	05	25+	30+	24	13	18+	26	JAN 15	
	AVERAGE DRY BULB	31.2	32.3	46.5	45.9	64.3	68.8	76.2	73.0	63.6	54.2	39.4	35.3	52.6	
	MEAN WET BULB	27.9	29.1	41.2	40.1	57.4	61.7	66.9	64.9	57.4	50.0	35.0	33.7	47.1	
	MEAN DEW POINT	21.2	22.7	33.8	31.7	52.0	56.7	61.1	60.1	52.9	45.9	29.2	29.2	41.4	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	1	2	5	11	7	0	0	0	0	0	26
	MAXIMUM <= 32°	7	3	2	0	0	0	0	0	0	0	0	6	18	
MINIMUM <= 32°	23	27	11	12	0	0	0	0	0	2	20	20	115		
MINIMUM <= 0°	2	0	0	0	0	0	0	0	0	0	0	0	2		
H/C	HEATING DEGREE DAYS	1045	941	568	574	105	43	0	1	114	328	762	913	5394	
	COOLING DEGREE DAYS	0	0	1	6	88	164	357	257	78	2	0	0	953	
RH	MEAN (PERCENT)	68	68	64	61	67	67	63	67	71	76	70	76	68	
	HOUR 01 LST	73	71	70	74	82	82	78	82	83	84	78	79	78	
	HOUR 07 LST	74	74	73	64	71	70	66	72	77	83	78	81	74	
	HOUR 13 LST	58	57	49	46	54	52	44	47	53	61	59	68	54	
	HOUR 19 LST	68	70	62	59	64	64	60	68	74	76	70	77	68	
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	0	0	0	0	0	0	0	0	0	0	0	0	0	
	THUNDERSTORMS	0	0	2	0	3	2	4	2	1	0	1	0	15	
PR	MEAN STATION PRESS. (IN.)	29.50	29.57	29.60	29.46	29.53	29.47	29.49	29.52	29.55	29.48	29.70	29.53	29.53	
	MEAN SEA-LEVEL PRESS. (IN.)	29.97	30.02	30.05	29.91	29.97	29.90	29.92	29.95	29.99	29.92	30.16	30.00	29.98	
WINDS	RESULTANT SPEED (MPH)	3.8	4.6	1.8	6.0	1.2	2.6	2.9	1.9	2.1	2.1	3.3	2.0	2.6	
	RES. DIR. (TENS OF DEGS.)	27	29	29	30	26	26	28	24	22	23	26	26	28	
	MEAN SPEED (MPH)	10.0	8.5	8.5	9.0	6.2	7.3	5.9	6.0	6.5	7.8	7.3	9.1	7.7	
	PREVAIL.DIR.(TENS OF DEGS.)	29	29	10	33	12	26	26	11	26	25	25	08	08	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	49	39	37	31	24	29	29	40	38	30	35	33	49	
	DIR. (TENS OF DEGS.)	28	28	29	30	34	28	29	25	26	36	30	28	28	
	DATE OF OCCURRENCE	17	27	03	09	11	27	23	09	14	29	12	22	JAN 17	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	62	49	43	41	33	37	39	54	47	40	44	45	62	
DIR. (TENS OF DEGS.)	27	28	31	32	31	28	30	23	26	01	31	29	27		
DATE OF OCCURRENCE	17	27	09	09	29	27	23	09	14	29	24	22	JAN 17		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	3.88	1.41	1.96	2.24	3.15	2.28	1.84	2.27	3.11	3.99	1.41	7.57	35.11	
	GREATEST 24-HOUR (IN.)	1.06	0.28	0.49	1.08	1.52	0.48	0.69	0.74	0.82	0.84	0.65	1.96	1.96	
	DATE OF OCCURRENCE	26-27	16	16	22-23	07-08	12	26-27	27-28	18	19	12-13	26-27	DEC 26-27	
	NUMBER OF DAYS WITH:														
PRECIPITATION 0.01	20	14	13	13	12	12	9	8	13	20	11	21	166		
PRECIPITATION 0.10	7	6	6	6	5	8	6	7	8	9	6	14	88		
PRECIPITATION 1.00	0	0	0	0	1	0	0	0	0	0	0	2	3		
SNOWFALL	SNOW,ICE PELLETS,HAIL	24.6	11.6	7.2	T	0.0	0.0	0.0	0.0	0.0	0.0	2.8	32.4	78.6	
	TOTAL (IN.)	8.0	4.3	2.7	T	0.0	0.0	0.0	0.0	0.0	0.0	0.9	8.1	8.1	
	GREATEST 24-HOUR (IN.)	13	25	09	27+							26+	27	DEC 27	
	DATE OF OCCURRENCE	9	4	2	0	0	0	0	0	0	0	1	19	19	
	MAXIMUM SNOW DEPTH (IN.)	15+	26	10+								25	30	DEC 30	
	DATE OF OCCURRENCE														
	NUMBER OF DAYS WITH:														
SNOWFALL >= 1.0	6	3	4	0	0	0	0	0	0	0	0	7	20		

NORMALS, MEANS, AND EXTREMES SYRACUSE (KSYR)

LATITUDE:
43° 6'N

LONGITUDE:
76° 6'W

ELEVATION (FT):
GRND: 413 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	31.5	34.2	43.2	57.2	68.8	77.5	81.6	80.0	72.2	60.0	48.4	36.4	57.6
	MEAN DAILY MAXIMUM	91	31.7	32.4	42.3	55.4	68.1	76.5	81.7	79.8	71.7	60.6	47.7	35.9	57.0
	HIGHEST DAILY MAXIMUM	62	70	69	87	92	96	98	101	101	101	97	81	72	101
	YEAR OF OCCURRENCE		2008	1981	1986	1990	1977	1953	2012	2002	1953	1963	1950	2001	JUL 2012
	MEAN OF EXTREME MAXS.	91	54.2	53.3	67.8	79.8	86.1	91.1	92.6	91.3	87.5	79.1	68.8	58.1	75.8
	NORMAL DAILY MINIMUM	30	15.7	17.6	25.1	36.6	46.4	56.0	61.0	59.6	51.9	41.2	32.8	22.4	38.9
	MEAN DAILY MINIMUM	91	16.0	16.4	25.4	35.9	46.6	55.5	61.0	59.5	51.7	41.8	32.9	22.0	38.7
	LOWEST DAILY MINIMUM	62	-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.	91	-7.4	-4.4	5.4	22.6	33.0	42.3	50.0	47.0	36.8	27.5	17.5	0.1	22.5
	NORMAL DRY BULB	30	23.6	25.9	34.2	46.9	57.6	66.7	71.3	69.8	62.0	50.6	40.6	29.4	48.2
	MEAN DRY BULB	91	23.9	24.4	33.9	45.7	57.4	66.1	71.4	69.8	61.8	51.2	40.4	29.0	47.9
	MEAN WET BULB	27	21.8	22.6	28.7	39.6	50.5	59.6	63.9	62.9	56.5	45.5	36.1	26.8	42.9
	MEAN DEW POINT	27	18.7	19.0	25.5	36.1	47.6	57.1	61.9	61.0	54.6	43.2	33.7	24.3	40.2
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	0.0	0.0	0.3	1.5	2.9	1.7	0.4	0.0	0.0	0.0	6.8
	MAXIMUM <= 32	30	16.3	11.9	5.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	1.6	10.5	45.9
	MINIMUM <= 32	30	28.2	25.2	23.2	8.9	0.4	0.0	0.0	0.0	0.1	3.8	14.4	25.2	129.4
MINIMUM <= 0	30	4.0	1.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	7.1	
H/C	NORMAL HEATING DEG. DAYS	30	1283	1095	957	547	255	61	8	18	141	450	732	1104	6651
	NORMAL COOLING DEG. DAYS	30	0	0	0	4	26	113	203	167	52	4	0	0	569
RH	NORMAL (PERCENT)	30	75	72	69	66	68	71	72	75	77	75	76	77	73
	HOUR 01 LST	30	77	76	76	75	79	83	84	87	87	83	80	79	81
	HOUR 07 LST	30	78	79	79	76	77	79	81	87	88	85	82	81	81
	HOUR 13 LST	30	68	64	60	54	55	57	56	59	62	61	68	71	61
	HOUR 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(VISBY <= 1/4 MI)	49	0.7	0.8	0.8	0.5	0.5	0.4	0.4	0.7	0.8	1.0	0.8	0.8	8.2
	THUNDERSTORMS	67	0.2	0.2	0.7	1.7	3.4	5.1	6.3	5.2	2.4	0.9	0.5	0.1	26.7
CLOUDINESS	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)	29	29.55	29.58	29.59	29.52	29.53	29.51	29.52	29.57	29.61	29.60	29.61	29.59	29.57
	MEAN SEA-LEVEL PRES. (IN)	29	30.04	30.06	30.04	29.96	29.97	29.94	29.95	30.00	30.04	30.05	30.06	30.05	30.01
WINDS	MEAN SPEED (MPH)	29	9.7	9.6	9.6	9.1	8.0	7.3	6.8	6.3	7.0	7.7	9.0	9.5	8.3
	PREVAIL.DIR(TENS OF DEGS)	36	26	28	28	30	29	28	27	28	10	26	26	26	26
	MAXIMUM 2-MINUTE: SPEED (MPH)	19	49	52	43	43	46	36	54	40	59	43	53	48	59
	DIR. (TENS OF DEGS)		28	26	25	29	29	33	28	25	32	27	23	25	32
	YEAR OF OCCURRENCE		2012	2006	1996	2008	2010	2007	1999	2012	1998	2003	2005	2000	SEP 1998
	MAXIMUM 3-SECOND SPEED (MPH)	19	62	64	52	59	63	54	66	56	77	54	69	62	77
	DIR. (TENS OF DEGS)		27	26	13	33	27	27	28	23	32	27	24	25	32
	YEAR OF OCCURRENCE		2012	2006	2010	2007	2010	2010	1999	2001	1998	2003	2005	2000	SEP 1998
PRECIPITATION	NORMAL (IN)	30	2.50	2.07	2.95	3.19	3.22	3.31	3.78	3.57	3.69	3.44	3.53	3.22	38.47
	MAXIMUM MONTHLY (IN)	62	5.77	5.38	6.84	8.53	7.82	12.30	10.12	8.41	8.81	8.29	6.79	7.57	12.30
	YEAR OF OCCURRENCE		1978	1951	1955	2011	2004	1972	2006	1956	1975	1955	1972	2012	JUN 1972
	MINIMUM MONTHLY (IN)	62	1.02	0.63	1.01	0.84	.59	1.10	0.90	1.02	0.75	0.21	1.25	1.40	0.21
	YEAR OF OCCURRENCE		1970	1987	1981	2010	2005	1962	1969	1999	1964	1963	1978	1999	OCT 1963
	MAXIMUM IN 24 HOURS (IN)	62	2.49	1.99	1.77	2.85	3.13	3.88	4.29	4.54	4.14	3.60	2.09	2.18	4.54
	YEAR OF OCCURRENCE		2008	1961	1993	1976	1969	1972	2006	2010	1975	1955	1996	1952	AUG 2010
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	19.1	16.0	15.8	14.0	12.9	12.1	11.3	10.8	12.1	14.2	16.7	18.6	173.6
	PRECIPITATION >= 1.00	30	0.2	0.1	0.2	0.3	0.3	0.5	0.7	0.6	0.7	0.8	0.4	0.5	5.3
SNOWFALL	NORMAL (IN)	30	34.0	25.3	18.0	3.8	0.1	0.0	0.0	0.0	0.0	0.4	9.5	32.7	123.8
	MAXIMUM MONTHLY (IN)	62	78.1	72.6	54.4	16.4	2.1	T	T	T	T	5.7	25.9	72.8	78.1
	YEAR OF OCCURRENCE		2004	1958	1993	1983	1996	1992	2006	2011	1992	1988	1976	2010	JAN 2004
	MAXIMUM IN 24 HOURS (IN)	62	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	2011	1992	1988	1973	2003	MAR 1993
	MAXIMUM SNOW DEPTH (IN)	62	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	9.9	7.4	4.8	1.5	0.0	0.0	0.0	0.0	0.0	0.1	2.7	8.1	34.5

PRECIPITATION (inches) 2012 SYRACUSE (KSYR)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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
2010	1.27	2.02	2.54	0.84	2.87	6.57	4.28	6.36	5.26	4.11	2.93	2.42	41.47
2011	2.45	3.11	2.86	8.53	3.90	3.31	3.30	6.66	6.36	3.20	3.36	2.48	49.52
2012	3.88	1.41	1.96	2.24	3.15	2.28	1.84	2.27	3.11	3.99	1.41	7.57	35.11
POR= 91 YRS	2.70	2.43	3.09	3.27	3.11	3.51	3.57	3.50	3.32	3.23	3.32	3.09	38.14

WBAN : 14771

AVERAGE TEMPERATURE (°F) 2012 SYRACUSE (KSYR)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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
2010	23.3	25.9	40.5	51.9	61.1	67.5	74.6	71.4	63.1	51.4	40.9	25.5	49.8
2011	21.0	23.8	33.3	49.2	62.9	68.9	75.8	71.9	66.0	52.6	46.8	35.9	50.7
2012	31.2	32.3	46.5	45.9	64.3	68.8	76.2	73.0	63.6	54.2	39.4	35.3	52.6
POR= 91 YRS	23.9	24.4	33.9	45.7	57.4	66.1	71.4	69.8	61.8	51.2	40.4	29.0	47.9

HEATING DEGREE DAYS (base 65°F) 2012 SYRACUSE (KSYR)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
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
2009-10	11	13	129	489	640	1138	1286	1088	751	398	193	40	6176
2010-11	5	2	125	418	717	1218	1359	1147	977	481	141	21	6611
2011-12	0	2	68	376	537	897	1045	941	568	574	105	43	5156
2012-	0	1	114	328	762	913							

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COOLING DEGREE DAYS (base 65°F) 2012 SYRACUSE (KSYR)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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
2010	0	0	0	9	81	121	306	206	73	0	0	0	796
2011	0	0	0	12	84	146	344	221	104	0	0	0	911
2012	0	0	1	6	88	164	357	257	78	2	0	0	953

SNOWFALL (inches) 2012 SYRACUSE (KSYR)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
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
2009-10	0.0	0.0	0.0	0.0	0.3	22.2	45.5	38.1	T	T	0.2	0.0	106.3
2010-11	0.0	0.0	0.0	T	0.8	72.8	43.2	43.3	18.5	0.4	0.0	0.0	179.0
2011-12	0.0	T	0.0	T	0.6	6.6	24.6	11.6	7.2	T	0.0	0.0	50.6
2012-	0.0	0.0	0.0	0.0	2.8	32.4							
POR= 91 YRS	T	T	T	0.5	8.2	24.7	27.0	23.2	16.1	3.6	0.1	T	103.4

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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.

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

CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS.

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 EIGHTHS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.

STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED STATION HISTORY INFORMATION GO TO "Historical Observing Metadata Repository", URL IS:

<http://www.ncdc.noaa.gov/homr/>

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

NOTE:

The "Period of Record:(POR)" for all "averages" is based on "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.

The 2012 Annual Publications were reproduced on 6/05/13 to correct two problems that occurred when the Publications were first produced on 02/28/13.

- 1) A small number of stations did not correctly show number of days with thunderstorms and heavy fog.
- 2) Climate Normals in the Annual Publications were based on a first edition of the 1981-2010 Normals release. With the release of Service Pack 1 (SP1) new normals for 83 stations are available and now included. Additional information on SP1 is available at:
<http://www1.ncdc.noaa.gov/pub/data/normals/1981-2010/status.txt>.

2012 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.

Station History

SYRACUSE, NY

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
SYRACUSE MUNICIPAL AP	1948-01-01	1949-12-31	43° 4'	-76° 16'	404		AIRWAYS, COOP, USHCN
SYRACUSE MUNICIPAL AP	1949-12-31	1950-06-30	43° 4'	-76° 16'	404		COOP, USHCN
SYRACUSE HANCOCK INTL AP	1993-11-01	2009-08-24	43° 6'	-76° 6'	410		ASOS, COOP, USHCN
SYRACUSE MUNICIPAL AP	1938-01-01	1948-01-01	43° 4'	-76° 16'			AIRWAYS
SYRACUSE HANCOCK AP	1969-01-01	1971-12-01	43° 7'	-76° 7'	410		COOP, USHCN, WXSVC
SYRACUSE HANCOCK INTL AP	2009-08-24	2009-11-03	43° 6'	-76° 6'	413		AIRWAYS, ASOS, COOP, USHCN
SYRACUSE HANCOCK AP	1950-07-01	1954-01-01	43° 7'	-76° 7'	427		AIRWAYS, COOP, USHCN
SYRACUSE HANCOCK INTL AP	2009-11-03	Present	43° 6'	-76° 6'	413		ASOS, COOP, USHCN
SYRACUSE HANCOCK AP	1954-01-01	1962-01-01	43° 7'	-76° 7'	430		AIRWAYS, COOP, USHCN
SYRACUSE HANCOCK AP	1962-01-01	1969-01-01	43° 7'	-76° 7'	410		AIRWAYS, COOP, USHCN
SYRACUSE MUNICIPAL AP	1929-07-01	1938-01-01	43° 4'	-76° 16'			AIRWAYS
SYRACUSE HANCOCK AP	1929-07-01	1950-07-01	43° 7'	-76° 7'			AIRWAYS
SYRACUSE HANCOCK INTL AP	1971-12-01	1993-11-01	43° 7'	-76° 7'	410		COOP, USHCN, WXSVC

Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
TEMP	1929-07-01	1982-01-01	DAILY	2400			
PRECIP	2009-08-24	Present	DAILY	2400	PCPNX		
PRECIP	1992-05-23	1995-07-01	HOURLY	2400			
PRECIP	1929-07-01	1982-01-01	DAILY	2400	UNIV	RCRD	
TEMP	1982-01-01	1992-05-23	DAILY	2400			
PRECIP	1995-07-01	2009-08-24	DAILY	2400	UNIV	RCRD	
PRECIP	1982-01-01	1992-05-23	DAILY	2400	UNIV	RCRD	
PRECIP	1982-01-01	1992-05-23	HOURLY	2400			
PRECIP	1992-05-23	1995-07-01	DAILY	2400	UNIV	RCRD	
PRECIP	1995-07-01	2009-08-24	HOURLY	2400	UNIV	RCRD	
PRECIP	2009-08-24	Present	HOURLY	2400	AWPAG	RCRD;HTD	
TEMP	1995-07-01	2009-08-24	DAILY	2400	HYGR		
TEMP	1992-05-23	1995-07-01	DAILY	2400	HYGR		
TEMP	2009-08-24	Present	DAILY	2400	ATEMP		

* For explanation of codes and abbreviations see Station Metadata link below.

Other Station Information can be found at:

ASOS Implementation by NWS: <http://www.nws.noaa.gov/ops2/Surface/asosimplementation.htm>

Station Metadata website: <http://www.ncdc.noaa.gov/homr>

INQUIRES/COMMENTS CALL: (828) 271-4800, option 2

Fax Number : (828) 271-4876

TDD : (828) 271-4010

Email : ncdc.orders@noaa.gov

NOAA/National Climatic Data Center

Attn: User Engagement & Services Branch

151 Patton Avenue

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Visit our Web Site for other weather data: www.ncdc.noaa.gov