

NORMALS, MEANS, AND EXTREMES ST CLOUD (KSTC)

LATITUDE: 45° 32'N LONGITUDE: 94° 3'W ELEVATION (FT): GRND: 1009 BARO: 1024 TIME ZONE: CENTRAL (UTC -6) WBAN: 14926

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	21.4	26.8	39.0	56.3	68.8	77.5	82.3	79.6	70.3	56.6	39.0	24.7	53.5	
	MEAN DAILY MAXIMUM	121	19.7	23.6	37.5	54.3	68.1	75.8	82.4	79.3	69.7	56.5	37.7	24.6	52.4	
	HIGHEST DAILY MAXIMUM	78	55	59	79	96	98	102	103	103	98	90	75	61	103	
	YEAR OF OCCURRENCE		1942	2017	2007	1980	2006	1988	1940	1947	1978	1992	1999	1998	1998	AUG 1947
	MEAN OF EXTREME MAXS.	124	40.3	44.3	58.5	77.8	87.6	92.1	93.4	92.1	87.4	78.5	60.0	43.7	71.3	
	NORMAL DAILY MINIMUM	30	1.8	7.2	19.8	32.7	44.2	53.6	58.4	56.0	46.8	34.9	21.7	7.1	32.0	
	MEAN DAILY MINIMUM	121	0.2	3.8	18.0	32.2	44.2	53.0	59.0	55.9	46.9	35.5	20.7	7.5	31.4	
	LOWEST DAILY MINIMUM	78	-43	-40	-32	-3	19	32	40	33	18	5	-20	-41	-43	
	YEAR OF OCCURRENCE		1977	1996	1962	1975	1967	1993	1972	2004	1974	1976	1964	1983	1983	JAN 1977
	MEAN OF EXTREME MINS.	124	-23.7	-18.3	-6.5	16.6	29.0	39.8	46.9	43.2	30.4	19.5	0.9	-15.3	13.5	
	NORMAL DRY BULB	30	11.6	17.0	29.4	44.5	56.5	65.6	70.3	67.8	58.6	45.7	30.4	15.9	42.8	
	MEAN DRY BULB	121	10.0	13.7	27.7	43.2	56.2	64.5	70.7	67.6	58.3	46.0	29.2	16.1	41.9	
	MEAN WET BULB	35	10.3	13.8	25.0	35.8	47.9	58.2	63.0	61.4	53.0	40.1	26.7	15.1	37.5	
	MEAN DEW POINT	35	9.0	12.7	23.3	33.3	45.7	56.7	61.8	60.3	51.7	38.3	25.6	13.9	36.0	
	NORMAL NO. DAYS WITH:															
	MAXIMUM >= 90	30	0.0	0.0	0.0	0.0	0.4	1.8	3.8	2.1	0.3	0.0	0.0	0.0	8.4	
MAXIMUM <= 32	30	24.5	17.7	7.2	0.6	0.0	0.0	0.0	0.0	0.0	0.3	9.0	21.5	80.8		
MINIMUM <= 32	30	30.9	27.1	27.0	14.2	2.4	0.0	0.0	0.0	1.5	12.4	25.5	30.6	171.6		
MINIMUM <= 0	30	13.9	9.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	9.7	36.6		
H/C	NORMAL HEATING DEG. DAYS	30	1655	1344	1104	617	287	78	17	41	228	599	1040	1522	8532	
	NORMAL COOLING DEG. DAYS	30	0	0	0	2	23	95	182	127	34	2	0	0	465	
RH	NORMAL (PERCENT)															
	HOUR 00 LST	30														
	HOUR 06 LST	30	79	81	82	81	82	87	90	92	91	86	84	82	85	
	HOUR 12 LST	30	71	68	63	50	50	55	57	59	59	58	69	72	61	
	HOUR 18 LST	30	74	70	65	50	48	53	57	60	62	61	74	77	63	
S	PERCENT POSSIBLE SUNSHINE															
W/O	MEAN NO. DAYS WITH:															
	HEAVY FOG(VISBY <= 1/4 MI) THUNDERSTORMS	36 46	2.3 0.0	2.8 0.1	3.1 0.5	1.6 2.2	1.1 4.4	1.6 7.2	1.8 6.9	3.5 6.3	2.5 4.0	2.0 1.7	2.3 0.2	2.7 0.0	27.3 33.5	
CLOUDINESS	MEAN:															
	SUNRISE-SUNSET (OKTAS)															
	MIDNIGHT-MIDNIGHT (OKTAS)															
	MEAN NO. DAYS WITH:															
	CLEAR	1	1.0		6.0		4.0	8.0								
	PARTLY CLOUDY			1.0	9.0		2.0	3.0								
	CLOUDY	1	3.0	5.0	5.0		9.0	4.0								
PR	MEAN STATION PRESSURE(IN)	35	28.94	28.98	28.93	28.85	28.84	28.83	28.87	28.90	28.90	28.89	28.90	28.93	28.90	
	MEAN SEA-LEVEL PRES. (IN)	34	30.12	30.13	30.08	29.99	29.95	29.93	29.97	30.00	30.01	30.02	30.05	30.10	30.03	
WINDS	MEAN SPEED (MPH)	35	8.5	8.5	9.0	9.7	9.0	7.9	6.9	6.6	7.6	8.4	8.7	8.3	8.3	
	PREVAIL.DIR(TENS OF DEGS)	24	32	32	32	33	33	31	19	17	17	32	32	32	32	
	MAXIMUM 2-MINUTE:															
	SPEED (MPH)	23	40	46	44	44	58	62	51	49	43	46	41	45	62	
	DIR. (TENS OF DEGS)		31	30	29	30	20	32	31	30	27	24	29	31	32	
	YEAR OF OCCURRENCE		2012	2002	2017	2000	2012	1998	2011	2011	2010	2010	2005	2004	JUN 1998	
	MAXIMUM 3-SECOND															
	SPEED (MPH)	23	51	52	56	49	74	77	70	63	56	58	54	56	77	
DIR. (TENS OF DEGS)		31	27	29	27	21	32	16	30	27	24	28	17	32		
YEAR OF OCCURRENCE		2012	2002	2017	2015	2012	1998	2018	2011	2010	2010	2005	2016	JUN 1998		
PRECIPITATION	NORMAL (IN)	30	0.65	0.59	1.55	2.57	2.95	4.17	3.31	3.79	3.46	2.49	1.38	0.82	27.73	
	MAXIMUM MONTHLY (IN)	78	2.52	2.76	4.66	8.42	8.76	10.52	8.00	8.36	9.48	6.16	3.83	2.56	10.52	
	YEAR OF OCCURRENCE		1969	1951	2009	2001	2012	1990	1955	2016	1985	1971	1996	2010	JUN 1990	
	MINIMUM MONTHLY (IN)	78	0.02	0.04	0.10	0.05	0.32	0.05	0.21	0.46	0.07	0.07	0.01	0.01	0.01	
	YEAR OF OCCURRENCE		1942	1964	1959	1987	1948	1988	1975	1950	1952	1952	2007	1943	NOV 2007	
	MAXIMUM IN 24 HOURS (IN)	78	0.99	1.83	2.67	3.74	3.70	4.06	2.63	4.62	5.37	4.11	2.22	1.38	5.37	
	YEAR OF OCCURRENCE		1949	1951	2009	2001	1979	1983	2016	1956	1985	2005	1977	1984	SEP 1985	
	NORMAL NO. DAYS WITH:															
	PRECIPITATION >= 0.01	30	7.4	6.4	8.2	9.1	10.9	12.1	10.5	9.3	9.9	9.3	7.8	7.6	108.5	
PRECIPITATION >= 1.00	30	0.0	0.0	0.1	0.4	0.5	0.9	0.8	1.1	0.8	0.6	0.1	0.0	5.3		
SNOWFALL	NORMAL (IN)	30	8.6	7.0	8.5	3.0	0.0	0.0	0.0	0.0	0.0	0.8	8.4	9.4	45.7	
	MAXIMUM MONTHLY (IN)	72	29.9	21.6	51.7	24.4	3.2	T	0.0	T	1.8	6.0	26.9	25.4	51.7	
	YEAR OF OCCURRENCE		1975	1971	1965	2013	1971	2011		2006	1942	1995	1940	1968	MAR 1965	
	MAXIMUM IN 24 HOURS (IN)	72	9.4	12.2	14.5	9.4	3.2	T	0.0	T	1.8	4.9	13.2	11.0	14.5	
	YEAR OF OCCURRENCE'		1975	1951	1985	2013	1971	2011		2006	1942	1995	2014	2012	MAR 1985	
	MAXIMUM SNOW DEPTH (IN)	64	30	30	35	27	1	0	0	0	0	3	14	18	35	
	YEAR OF OCCURRENCE		1969	1969	1965	1965	2017					1951	1983	1985	MAR 1965	
	NORMAL NO. DAYS WITH:															
SNOWFALL >= 1.0	30	3.0	2.5	2.5	1.0	0.0	0.0	0.0	0.0	0.0	0.2	2.2	3.1	14.5		