

NORMALS, MEANS, AND EXTREMES

ST CLOUD, MN (STC)

LATITUDE: 45° 32' 41" N LONGITUDE: 94° 03' 07" W ELEVATION (FT): GRND: 1021 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	18.7	25.7	37.7	54.9	69.0	77.3	81.7	78.9	69.0	56.3	37.2	23.2	52.5
	MEAN DAILY MAXIMUM	58	18.9	25.6	36.9	54.7	68.0	77.1	81.9	79.5	69.7	57.5	38.7	24.6	52.8
	HIGHEST DAILY MAXIMUM	65	55	55	79	96	97	102	103	103	98	90	75	61	103
	YEAR OF OCCURRENCE		1942	2000	1968	1980	2001	1988	1940	1947	1978	1992	1999	1998	AUG 1947
	MEAN OF EXTREME MAXS.	58	39.8	44.3	57.9	78.0	87.0	92.4	93.4	92.3	87.4	78.6	59.4	43.6	71.2
	NORMAL DAILY MINIMUM	30	-1.2	6.4	19.1	32.2	44.1	52.9	57.9	55.5	45.7	34.3	20.4	5.5	31.1
	MEAN DAILY MINIMUM	58	-1.2	4.7	17.4	32.0	43.9	53.4	58.4	55.9	46.4	35.2	21.2	6.9	31.2
	LOWEST DAILY MINIMUM	65	-4.3	-4.0	-3.2	-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	JAN 1977
	MEAN OF EXTREME MINS.	58	-25.9	-19.5	-7.1	16.3	28.5	39.1	45.9	42.6	29.9	18.9	0.2	-17.1	12.6
	NORMAL DRY BULB	30	8.8	16.1	28.4	43.6	56.6	65.1	69.8	67.2	57.4	45.3	28.8	14.4	41.8
	MEAN DRY BULB	58	8.8	15.0	27.1	43.4	56.0	65.4	70.2	67.8	58.1	46.3	30.1	15.7	42.0
	MEAN WET BULB	19	11.0	16.8	27.4	39.5	51.1	60.6	61.4	62.9	54.3	41.8	27.1	15.7	39.1
	MEAN DEW POINT	19	5.8	11.2	21.0	30.4	43.1	54.8	57.0	58.6	49.6	35.7	22.4	11.4	33.4
	NORMAL NO. DAYS WITH:														
	MAXIMUM ≥ 90°	30	0.0	0.0	0.0	*	0.5	1.8	3.9	2.4	0.5	*	0.0	0.0	9.1
MAXIMUM ≤ 32°	30	25.8	18.2	8.4	0.7	0.0	0.0	0.0	0.0	0.0	0.2	9.9	23.5	86.7	
MINIMUM ≤ 32°	30	31.0	27.5	27.2	15.9	3.4	*	0.0	0.0	2.5	13.9	26.7	30.7	178.8	
MINIMUM ≤ 0°	30	16.9	10.7	3.6	*	0.0	0.0	0.0	0.0	0.0	0.0	2.1	11.1	44.4	
H/C	NORMAL HEATING DEG. DAYS	30	1742	1381	1135	637	285	79	19	49	253	604	1077	1554	8815
	NORMAL COOLING DEG. DAYS	30	0	0	0	2	26	90	172	121	31	1	0	0	443
RH	NORMAL (PERCENT)														
	HOUR 00 LST	30	79	81	82	81	82	86	90	92	91	86	84	82	85
	HOUR 06 LST	30	70	68	63	50	50	55	57	59	59	58	68	72	61
	HOUR 18 LST	30	74	70	64	50	48	53	57	60	62	61	74	77	62
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	42	1.9	2.3	2.2	1.1	1.0	1.2	1.6	2.9	1.9	2.2	2.0	2.8	23.1
	THUNDERSTORMS	42	0.0	0.1	0.4	2.2	4.9	7.9	7.5	7.3	4.1	1.8	0.3	0.0	36.5
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)	1			5.6			5.6						7.2	
	MIDNIGHT-MIDNIGHT (OKTAS)	1			6.4										
	MEAN NO. DAYS WITH:														
CLEAR	1	1.0		6.0		4.0	8.0								
PARTLY CLOUDY	1		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)	17	28.96	28.98	28.90	28.89	28.82	28.82	28.87	28.88	28.90	28.91	28.91	28.93	28.90
	MEAN SEA-LEVEL PRES. (IN)	19	30.14	30.14	30.05	29.97	29.95	29.93	29.96	30.01	30.02	30.04	30.04	30.10	30.03
WINDS	MEAN SPEED (MPH)	20	8.5	8.6	9.1	10.0	9.3	8.2	7.1	6.6	7.5	8.5	8.7	8.4	8.4
	PREVAIL. DIR (TENS OF DEGS)	11	32	32	31	32	32	18	18	18	18	31	31	31	32
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	10	40	46	43	44	41	62	49	45	34	43	41	45	62
	DIR. (TENS OF DEGS)		31	30	30	30	27	32	22	22	32	31	29	31	32
	YEAR OF OCCURRENCE		2005	2002	2002	2000	2005	1998	1997	1996	1997	2001	2005	2004	JUN 1998
MAXIMUM 5-SECOND:															
SPEED (MPH)	10	47	52	49	48	54	77	61	52	51	54	54	55	77	
DIR. (TENS OF DEGS)		31	27	31	30	29	32	21	34	25	32	28	31	32	
YEAR OF OCCURRENCE		2005	2002	2002	2002	2002	1998	1997	1997	2002	1996	2005	2004	JUN 1998	
PRECIPITATION	NORMAL (IN)	30	0.76	0.59	1.50	2.13	2.97	4.51	3.34	3.93	2.93	2.24	1.54	0.69	27.13
	MAXIMUM MONTHLY (IN)	65	2.52	2.76	3.43	8.42	8.01	10.52	8.00	7.55	9.48	6.16	3.83	2.04	10.52
	YEAR OF OCCURRENCE		1969	1951	1965	2001	1962	1990	1955	1956	1985	1971	1996	1969	JUN 1990
	MINIMUM MONTHLY (IN)	65	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	1941	1943	DEC 1943
	MAXIMUM IN 24 HOURS (IN)	65	0.99	1.83	1.81	3.74	3.70	4.06	2.29	4.62	5.37	4.11	2.22	1.38	5.37
	YEAR OF OCCURRENCE		1949	1951	1957	2001	1979	1983	1972	1956	1985	2005	1977	1984	SEP 1985
NORMAL NO. DAYS WITH:															
PRECIPITATION ≥ 0.01	30	8.8	6.9	8.3	9.4	11.1	11.4	10.6	10.0	9.3	8.5	8.3	7.9	110.5	
PRECIPITATION ≥ 1.00	30	0.0	0.0	0.1	0.2	0.4	1.2	0.8	1.1	0.6	0.6	0.2	0.0	5.2	
SNOWFALL	NORMAL (IN)	30	10.5	7.2	8.5	2.9	0.2	0.0	0.0	0.0	0.*	0.6	9.1	8.6	47.6
	MAXIMUM MONTHLY (IN)	59	29.9	21.6	51.7	11.1	3.2	0.0	0.0	0.0	1.8	6.0	26.9	25.4	51.7
	YEAR OF OCCURRENCE		1975	1971	1965	1950	1971				1942	1995	1940	1968	MAR 1965
	MAXIMUM IN 24 HOURS (IN)	59	9.4	12.2	14.5	7.0	3.2	0.0	0.0	0.0	1.8	4.9	11.4	10.2	14.5
	YEAR OF OCCURRENCE		1975	1951	1985	1994	1971				1942	1995	1975	1968	MAR 1985
	MAXIMUM SNOW DEPTH (IN)	51	30	30	35	27	1	0	0	0	0	3	14	18	35
YEAR OF OCCURRENCE		1969	1969	1965	1965	1954					1951	1983	1985	MAR 1965	
NORMAL NO. DAYS WITH:															
SNOWFALL ≥ 1.0	30	3.4	2.6	2.8	1.0	0.0	0.0	0.0	0.0	0.0	0.1	2.5	3.0	15.4	