

NORMALS, MEANS, AND EXTREMES MINNEAPOLIS (KMSP)

LATITUDE: 44° 52'N **LONGITUDE:** 93° 13'W **ELEVATION (FT):** GRND: 872 BARO: 874 **TIME ZONE:** CENTRAL (UTC -6) **WBAN: 14922**

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	23.7	28.9	41.3	57.8	69.4	78.8	83.4	80.5	71.7	58.0	41.2	27.1	55.2
	MEAN DAILY MAXIMUM	123	22.0	25.3	38.9	55.2	68.5	76.8	83.3	80.6	70.6	58.9	40.2	27.0	53.9
	HIGHEST DAILY MAXIMUM	75	58	61	83	95	98	103	105	102	98	90	77	68	105
	YEAR OF OCCURRENCE		1944	2000	1986	1980	2013	2011	1988	1947	1976	1997	1999	1998	JUL 1988
	MEAN OF EXTREME MAXS.	123	41.1	45.4	62.4	79.4	88.1	93.2	94.9	93.3	88.8	80.1	62.0	46.0	72.9
	NORMAL DAILY MINIMUM	30	7.5	12.8	24.3	37.2	48.9	58.8	64.1	61.8	52.4	39.7	26.2	12.3	37.2
	MEAN DAILY MINIMUM	123	5.3	9.0	22.2	36.0	48.1	57.4	63.5	61.0	51.1	40.3	25.3	12.2	36.0
	LOWEST DAILY MINIMUM	75	-34	-32	-32	2	18	34	43	39	26	13	-17	-29	-34
	YEAR OF OCCURRENCE		1970	1996	1962	1962	1967	1945	1972	1967	1974	1997	1964	1983	JAN 1970
	MEAN OF EXTREME MINS.	123	-17.5	-12.2	0.5	21.2	33.2	44.4	52.5	49.4	35.5	25.2	6.2	-9.7	19.1
	NORMAL DRY BULB	30	15.6	20.8	32.8	47.5	59.1	68.8	73.8	71.2	62.0	48.9	33.7	19.7	46.2
	MEAN DRY BULB	123	13.7	17.3	30.6	45.6	58.3	67.2	73.4	70.8	60.9	49.6	32.8	19.6	45.0
	MEAN WET BULB	30	13.4	17.2	27.5	38.2	49.5	59.5	64.3	62.7	54.4	42.0	28.9	17.4	39.6
	MEAN DEW POINT	30	10.9	14.8	24.3	34.2	46.3	57.1	62.4	60.9	52.3	39.2	26.7	15.3	37.0
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	0.0	0.0	0.5	2.2	4.9	2.6	0.4	0.0	0.0	0.0	10.6
	MAXIMUM <= 32	30	22.2	15.5	5.9	0.3	0.0	0.0	0.0	0.0	0.0	0.1	6.3	19.0	69.3
MINIMUM <= 32	30	30.6	26.5	23.8	8.6	0.3	0.0	0.0	0.0	0.2	6.2	21.4	30.0	147.6	
MINIMUM <= 0	30	9.5	5.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	6.1	22.7	
H/C	NORMAL HEATING DEG. DAYS	30	1531	1236	998	530	218	44	5	14	154	507	939	1404	7580
	NORMAL COOLING DEG. DAYS	30	0	0	0	5	37	158	276	205	66	6	0	0	753
RH	NORMAL (PERCENT)	30	71	71	67	59	60	64	66	69	70	67	72	75	68
	HOURLY 00 LST	30	74	75	72	65	66	72	75	78	77	73	76	77	73
	HOURLY 06 LST	30	75	77	77	74	75	79	81	84	84	80	80	79	79
	HOURLY 12 LST	30	68	65	60	50	51	54	55	58	58	58	66	70	59
	HOURLY 18 LST	30	69	67	60	49	48	52	54	58	60	59	68	73	60
S	PERCENT POSSIBLE SUNSHINE	58	53	59	57	58	61	66	72	69	62	55	39	42	58
W/O	MEAN NO. DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI)	50	0.9	1.4	1.5	0.4	0.3	0.4	0.2	0.5	0.7	0.6	0.9	1.4	9.2
	THUNDERSTORMS	68	0.0	0.1	1.0	2.7	5.0	7.5	7.3	6.3	4.2	1.8	0.5	0.2	36.6
CLOUDINESS	MEAN: SUNRISE-SUNSET (OKTAS)	58	5.1	5.0	5.4	5.3	5.1	4.9	4.2	4.2	4.4	4.6	5.7	5.5	5.0
	MIDNIGHT-MIDNIGHT (OKTAS)	32	4.9	4.8	5.1	5.0	4.8	4.5	4.0	4.0	4.2	4.6	5.3	5.2	4.7
	MEAN NO. DAYS WITH: CLEAR	58	8.3	7.7	7.1	6.9	7.0	7.2	9.8	10.0	9.8	9.8	5.5	6.4	95.5
	PARTLY CLOUDY	58	7.3	6.9	7.4	7.7	9.1	10.4	11.8	11.2	8.5	7.5	6.4	6.4	100.6
	CLOUDY	58	15.4	13.7	16.5	15.3	14.8	12.4	9.5	9.8	11.8	13.7	18.1	18.2	169.2
PR	MEAN STATION PRESSURE(IN)	30	29.15	29.17	29.13	29.05	29.04	29.02	29.06	29.10	29.10	29.10	29.11	29.15	29.10
	MEAN SEA-LEVEL PRES. (IN)	30	30.10	30.11	30.06	29.96	29.94	29.91	29.95	29.99	30.00	30.01	30.04	30.09	30.01
WINDS	MEAN SPEED (MPH)	30	9.7	9.6	10.3	11.2	10.4	9.5	8.8	8.5	9.4	10.0	9.9	9.4	9.7
	PREVAIL.DIR(TENS OF DEGS)	45	32	32	32	32	15	14	14	14	14	32	32	32	32
	MAXIMUM 2-MINUTE: SPEED (MPH)	17	45	38	37	45	49	49	40	47	41	43	39	39	49
	DIR. (TENS OF DEGS)		28	11	29	28	22	31	27	26	29	24	28	31	31
	YEAR OF OCCURRENCE		2013	2012	2004	2000	1998	2008	2007	2007	2009	2010	2005	2004	JUN 2008
	MAXIMUM 3-SECOND SPEED (MPH)	17	55	47	49	59	64	62	54	71	54	62	49	52	71
	DIR. (TENS OF DEGS)		28	33	21	28	26	32	28	26	28	24	28	31	26
YEAR OF OCCURRENCE		2013	2002	2012	2000	1998	2008	2007	2007	2009	2010	2005	2004	AUG 2007	
PRECIPITATION	NORMAL (IN)	30	0.90	0.77	1.89	2.66	3.36	4.25	4.04	4.30	3.08	2.43	1.77	1.16	30.61
	MAXIMUM MONTHLY (IN)	75	3.63	2.14	4.75	7.00	9.34	9.82	17.90	9.32	7.53	5.68	5.29	4.27	17.90
	YEAR OF OCCURRENCE		1967	1981	1965	2001	2012	1990	1987	2007	1942	1971	1991	1982	JUL 1987
	MINIMUM MONTHLY (IN)	75	0.10	0.06	0.32	0.16	0.53	0.22	0.58	0.43	0.30	0.01	0.02	T	0.01
	YEAR OF OCCURRENCE		1990	1964	1994	1987	2009	1988	1975	1946	2012	1952	1939	1943	OCT 1952
	MAXIMUM IN 24 HOURS (IN)	75	1.21	1.34	1.66	2.58	3.39	3.28	10.00	7.36	3.55	4.83	2.91	2.47	10.00
	YEAR OF OCCURRENCE		1967	2012	1965	2006	2012	2003	1987	1977	1942	2005	1940	1982	JUL 1987
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	8.9	7.4	9.3	10.7	11.5	11.3	10.2	9.7	9.8	9.2	8.7	9.8	116.5
PRECIPITATION >= 1.00	30	0.0	0.0	0.2	0.4	0.5	1.1	0.9	1.3	0.8	0.4	0.3	0.1	6.0	
SNOWFALL	NORMAL (IN)	30	12.2	7.7	10.3	2.4	0.0	0.0	0.0	0.0	0.0	0.6	9.3	11.9	54.4
	MAXIMUM MONTHLY (IN)	70	46.4	26.5	40.0	21.8	3.0	T	T	T	1.7	8.2	46.9	33.6	46.9
	YEAR OF OCCURRENCE		1982	1962	1951	1983	1946	2010	2012	2013	1942	1991	1991	2010	NOV 1991
	MAXIMUM IN 24 HOURS (IN)	70	18.5	11.8	14.7	13.6	3.0	T	T	T	1.7	8.2	21.0	16.5	21.0
	YEAR OF OCCURRENCE		1982	2011	1985	1983	1946	2010	2012	2013	1942	1991	1991	1982	NOV 1991
	MAXIMUM SNOW DEPTH (IN)	63	38	30	27	10	2	0	0	0	0	1	23	21	38
	YEAR OF OCCURRENCE		1982	1967	1965	1985	1984					2009	1991	1991	JAN 1982
	NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	3.2	3.0	2.7	0.6	0.0	0.0	0.0	0.0	0.0	0.1	2.7	3.7	16.0