

# 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
<b>TEMPERATURE °F</b>	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	128	22.1	25.4	39.0	55.2	68.6	76.9	83.3	80.6	70.7	58.9	40.3	27.1	54.0
	HIGHEST DAILY MAXIMUM	80	58	63	83	95	100	103	105	102	98	90	77	68	105
	YEAR OF OCCURRENCE		1944	2017	1986	1980	2018	2011	1988	1947	1976	1997	1999	1998	JUL 1988
	MEAN OF EXTREME MAXS.	128	41.2	45.7	62.4	79.4	88.2	93.3	94.9	93.1	88.8	80.0	62.1	46.2	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	128	5.5	9.1	22.3	36.0	48.3	57.6	63.5	61.1	51.4	40.4	25.4	12.4	36.1
	LOWEST DAILY MINIMUM	80	-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.	128	-17.3	-11.8	0.5	21.2	33.5	44.9	52.6	49.7	35.9	25.5	6.4	-9.5	19.3
	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	128	13.8	17.3	30.7	45.6	58.5	67.3	73.4	70.9	61.1	49.6	32.8	19.8	45.1
	MEAN WET BULB	35	12.9	16.1	26.7	37.1	48.9	59.2	63.8	62.4	54.4	41.6	28.5	17.4	39.1
	MEAN DEW POINT	35	11.5	15.0	25.1	34.9	47.2	57.9	62.9	61.5	53.3	40.0	27.4	16.0	37.7
	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	
<b>H/C</b>	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
<b>RH</b>	NORMAL (PERCENT)		71	71	67	59	60	64	66	69	70	67	72	75	68
	hour 00 LST	30	74	75	72	65	66	72	75	78	77	73	76	77	73
	hour 06 LST	30	75	77	77	74	75	79	81	84	84	80	80	79	79
	hour 12 LST	30	68	65	60	50	51	54	55	58	58	58	66	70	59
	hour 18 LST	30	69	67	60	49	48	52	54	58	60	59	68	73	60
<b>S</b>	PERCENT POSSIBLE SUNSHINE	58	53	59	57	58	61	66	72	69	62	55	39	42	58
<b>W/O</b>	MEAN NO. DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI) THUNDERSTORMS	55 73	0.9 0.0	1.4 0.1	1.5 1.0	0.5 2.6	0.3 4.9	0.3 7.6	0.2 7.2	0.5 6.4	0.7 4.3	0.6 1.7	0.9 0.6	1.3 0.2	9.1 36.6
<b>CLOUDINESS</b>	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	
<b>PR</b>	MEAN STATION PRESSURE(IN)	35	29.15	29.16	29.13	29.05	29.04	29.01	29.06	29.09	29.10	29.10	29.11	29.14	29.10
	MEAN SEA-LEVEL PRES. (IN)	35	30.10	30.11	30.06	29.96	29.94	29.90	29.95	29.98	30.00	30.01	30.04	30.09	30.01
<b>WINDS</b>	MEAN SPEED (MPH)	35	9.6	9.6	10.2	11.2	10.2	9.4	8.7	8.4	9.3	9.9	9.9	9.4	9.7
	PREVAIL.DIR(TENS OF DEGS)	50	32	32	32	32	13	14	14	14	14	32	32	32	32
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	22	45	38	41	45	49	55	45	47	43	43	39	39	55
	DIR. (TENS OF DEGS)		28	11	28	28	22	30	31	26	32	24	34	31	30
	YEAR OF OCCURRENCE		2013	2012	2017	2000	1998	2017	2015	2007	2018	2010	2016	2004	JUN 2017
	MAXIMUM 3-SECOND														
SPEED (MPH)	22	55	47	60	59	64	69	60	71	55	62	59	52	71	
DIR. (TENS OF DEGS)		28	33	28	28	26	30	31	26	33	24	32	31	26	
YEAR OF OCCURRENCE		2013	2002	2017	2000	1998	2017	2015	2007	2018	2010	2016	2004	AUG 2007	
<b>PRECIPITATION</b>	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)	80	3.63	2.14	4.75	7.00	9.34	11.36	17.90	9.32	7.53	5.68	5.29	4.27	17.90
	YEAR OF OCCURRENCE		1967	1981	1965	2001	2012	2014	1987	2007	1942	1971	1991	1982	JUL 1987
	MINIMUM MONTHLY (IN)	80	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)	80	1.21	1.34	1.66	2.58	3.39	4.13	10.00	7.36	3.55	4.83	2.91	2.47	10.00
	YEAR OF OCCURRENCE		1967	2012	1965	2006	2012	2014	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	
<b>SNOWFALL</b>	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)	75	46.4	26.5	40.0	26.1	3.0	T	T	T	1.7	8.2	46.9	33.6	46.9
	YEAR OF OCCURRENCE		1982	1962	1951	2018	1946	2017	2012	2013	1942	1991	1991	2010	NOV 1991
	MAXIMUM IN 24 HOURS (IN)	75	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	2017	2012	2013	1942	1991	1991	1982	NOV 1991
	MAXIMUM SNOW DEPTH (IN)	68	38	30	27	11	2	0	0	0	0	1	23	21	38
	YEAR OF OCCURRENCE		1982	1967	1965	2018	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	