

# NORMALS, MEANS, AND EXTREMES INTERNATIONAL FALLS (KINL)

LATITUDE: 48° 33'N      LONGITUDE: 93° 23'W      ELEVATION (FT): GRND: 1183 BARO: 1185      TIME ZONE: CENTRAL (UTC -6)      WBAN: 14918

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	15.4	22.0	34.7	51.5	64.8	73.2	77.8	75.9	65.4	51.1	33.7	19.0	48.7
	MEAN DAILY MAXIMUM	93	12.9	19.6	33.2	49.4	64.1	71.9	76.8	75.3	65.0	51.7	33.1	18.8	47.7
	HIGHEST DAILY MAXIMUM	79	48	58	79	93	95	99	98	95	95	88	73	57	99
	YEAR OF OCCURRENCE		2013	2017	2012	1952	1964	1995	1988	2003	1976	2015	1975	1939	JUN 1995
	MEAN OF EXTREME MAXS.	101	35.9	41.1	53.3	73.0	84.1	87.1	90.0	88.7	83.1	74.3	54.5	38.4	67.0
	NORMAL DAILY MINIMUM	30	-6.6	-1.3	12.5	27.1	38.7	48.4	52.6	50.7	41.8	31.0	17.4	0.4	26.1
	MEAN DAILY MINIMUM	93	-7.6	-2.4	10.8	26.9	38.8	48.2	53.4	50.8	41.7	32.5	17.4	1.0	26.0
	LOWEST DAILY MINIMUM	79	-46	-45	-38	-14	11	23	34	30	19	2	-32	-41	-46
	YEAR OF OCCURRENCE		2011	1996	1962	1954	1967	1964	2001	1982	2011	1988	1985	1955	JAN 2011
	MEAN OF EXTREME MINS.	101	-32.8	-28.4	-16.6	9.0	24.4	34.0	41.1	37.6	26.8	17.3	-5.4	-24.4	6.9
	NORMAL DRY BULB	30	4.4	10.3	23.6	39.3	51.8	60.8	65.2	63.3	53.6	41.1	25.5	9.7	37.4
	MEAN DRY BULB	93	2.6	8.6	22.0	38.2	51.4	60.1	65.1	63.1	53.4	42.3	25.3	9.9	36.8
	MEAN WET BULB	34	4.5	9.0	19.1	30.7	43.6	54.3	59.1	57.4	49.2	36.6	22.8	9.7	33.0
	MEAN DEW POINT	34	3.2	6.7	17.3	28.4	41.4	52.9	58.0	56.4	48.1	35.3	21.8	8.7	31.5
	NORMAL NO. DAYS WITH:														
	MAXIMUM >= 90	30	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.0	0.8	0.1	0.0	0.0	0.0
MAXIMUM <= 32	30	27.7	21.3	11.7	1.5	0.0	0.0	0.0	0.0	0.0	0.0	1.1	13.6	25.7	102.6
MINIMUM <= 32	30	31.0	27.6	29.4	21.8	7.7	0.3	0.0	0.2	4.1	17.8	27.6	30.8	198.3	
MINIMUM <= 0	30	19.9	14.9	6.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	14.4	58.7
H/C	NORMAL HEATING DEG. DAYS	30	1878	1530	1283	772	419	164	70	111	353	743	1184	1714	10221
	NORMAL COOLING DEG. DAYS	30	0	0	0	1	8	38	76	58	11	0	0	0	192
RH	NORMAL (PERCENT)		74	71	66	60	61	69	73	75	77	74	78	78	71
	HOURLY 00 LST	30	76	74	71	67	72	80	85	87	87	81	82	80	79
	HOURLY 06 LST	30	76	77	77	76	77	83	89	92	91	85	84	81	82
	HOURLY 12 LST	30	70	65	58	49	48	56	58	60	63	64	73	74	62
	HOURLY 18 LST	30	71	64	56	48	47	55	57	60	67	67	75	76	62
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI) THUNDERSTORMS	55 71	1.4 0.0	1.4 0.0	1.7 0.3	1.4 1.0	1.1 3.7	1.3 7.0	1.9 8.5	2.2 6.7	2.1 3.8	1.5 0.9	1.4 0.1	1.7 0.0	19.1 32.0
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)	47	5.4	5.0	5.3	5.2	5.3	5.4	5.0	4.9	5.5	5.8	6.3	5.6	5.4
	MIDNIGHT-MIDNIGHT (OKTAS)	32	5.1	4.8	4.9	4.9	5.0	5.0	4.7	4.4	5.0	5.6	5.9	5.3	5.1
	MEAN NO. DAYS WITH:														
	CLEAR	57	7.5	7.9	7.7	6.9	6.8	4.8	6.1	7.1	5.6	5.8	3.7	6.2	76.1
PARTLY CLOUDY	57	7.3	6.4	7.6	8.3	9.0	10.8	13.2	11.3	8.8	7.1	5.2	5.8	100.8	
CLOUDY	57	16.2	14.1	15.6	14.8	15.2	14.4	11.2	12.1	15.3	18.1	21.1	18.9	187.0	
PR	MEAN STATION PRESSURE(IN)	35	28.72	28.74	28.75	28.70	28.67	28.64	28.67	28.71	28.70	28.69	28.69	28.72	28.70
	MEAN SEA-LEVEL PRES. (IN)	35	30.06	30.08	30.06	29.99	29.94	29.90	29.77	29.80	29.82	29.97	30.00	30.05	29.95
WINDS	MEAN SPEED (MPH)	35	7.8	7.9	8.3	8.6	8.3	7.4	6.6	6.5	7.3	8.1	8.1	7.6	7.7
	PREVAIL.DIR(TENS OF DEGS)	45	29	28	30	06	15	15	31	31	15	30	30	28	29
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	22	43	35	35	35	41	48	47	43	38	35	37	36	48
	DIR. (TENS OF DEGS)		27	30	31	10	34	32	26	30	34	30	33	31	32
	YEAR OF OCCURRENCE		2009	2002	2007	2014	2008	2005	2003	2001	2002	1999	2005	1999	JUN 2005
	MAXIMUM 3-SECOND														
	SPEED (MPH)	22	62	47	56	49	59	60	62	59	47	46	47	49	62
DIR. (TENS OF DEGS)		27	28	26	30	35	32	33	32	31	31	29	30	27	
YEAR OF OCCURRENCE		2009	2009	2017	2010	2008	2005	2007	2001	2011	1999	2017	1999	JAN 2009	
PRECIPITATION	NORMAL (IN)	30	0.62	0.57	0.95	1.53	2.86	3.92	3.70	2.81	2.99	2.08	1.38	0.81	24.22
	MAXIMUM MONTHLY (IN)	79	3.03	1.81	3.80	3.74	6.67	10.24	9.52	11.26	7.36	4.84	3.49	2.19	11.26
	YEAR OF OCCURRENCE		1975	1955	2009	2011	1985	2014	1966	1942	1961	1971	1977	2016	AUG 1942
	MINIMUM MONTHLY (IN)	79	0.07	0.04	0.13	0.08	0.20	0.70	1.00	0.58	0.28	0.14	0.10	0.16	0.04
	YEAR OF OCCURRENCE		2003	2002	2001	1987	1976	1961	1941	1991	1952	1992	1999	1940	FEB 2002
	MAXIMUM IN 24 HOURS (IN)	79	1.91	1.14	1.86	1.65	2.76	4.32	4.87	4.82	3.37	2.62	1.56	1.25	4.87
	YEAR OF OCCURRENCE		2017	1946	2016	2005	1991	2002	1966	1942	1973	1979	1977	1960	JUL 1966
	NORMAL NO. DAYS WITH:														
	PRECIPITATION >= 0.01	30	9.3	7.9	8.8	8.7	12.4	13.7	11.9	11.0	11.9	11.7	10.0	10.7	128.0
PRECIPITATION >= 1.00	30	0.0	0.0	0.0	0.1	0.3	0.7	0.8	0.5	0.7	0.3	0.0	0.0	3.4	
SNOWFALL	NORMAL (IN)	30	15.0	10.8	7.6	6.4	0.2	0.0	0.0	0.0	0.1	2.2	13.7	15.0	71.0
	MAXIMUM MONTHLY (IN)	78	43.0	32.3	31.5	23.5	13.4	0.3	T	T	1.9	8.5	29.7	43.9	43.9
	YEAR OF OCCURRENCE		1975	1992	1951	2008	1954	1969	2018	1996	1942	1981	1965	1992	DEC 1992
	MAXIMUM IN 24 HOURS (IN)	78	17.7	12.1	17.0	13.9	7.7	0.3	T	T	1.5	5.9	14.7	14.4	17.7
	YEAR OF OCCURRENCE'		1975	1996	1966	1950	1954	1969	2018	1995	1951	1981	1991	1990	JAN 1975
	MAXIMUM SNOW DEPTH (IN)	69	38	35	38	28	12	0	0	0	0	5	26	25	38
	YEAR OF OCCURRENCE		1982	1969	1966	2014	1954					1988	1965	1985	JAN 1982
	NORMAL NO. DAYS WITH:														
SNOWFALL >= 1.0	30	4.5	3.5	2.7	1.7	0.1	0.0	0.0	0.0	0.1	0.8	4.0	4.8	22.2	