

Local Climatological Data Daily Summary April 2016

Current Location: Elev: 872 ft. Lat: 44.8831° N Lon: -93.2289° W

Generated on 02/04/2019

Station: **MINNEAPOLIS ST PAUL INTERNATIONAL AIRPORT, MN US 14922**

Date	Temperature (F)							Degree Days (base 65F)		Sun (LST)		Weather	Precipitation (in)			Pressure (inHg)		Wind	Maximum Wind Speed = MPH								
	Max	Min	Avg	Dep	ARH	ADP	AWB	Heat	Cool	Rise	Set		Weather Type	TLC	Snow Fall	Snow Depth	Avg Stn		Avg SL	Avg Speed	Direction = Degrees						
																		Peak Speed			Peak Dir	Sust. Speed	Sust. Dir				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23					
01	41	32	37	-3.3	50	18	31	28	0	0552	1842	RA	0.02	0.0	0	28.90	29.82	14.4	36	320	26	300					
02	36	26	31	-9.8	43	12	26	34	0	0550	1843	SN BR UP	T	T	0	28.97	29.87	17.9	49	310	40	320					
03	68	29	49	7.7	49	25	35	16	0	0549	1844		0.00	0.0	0	28.82	29.71	12.9	29	330	23	360					
04	42	28	35	-6.8	54	18	28	30	0	0547	1845		0.00	0.0	0	29.37	30.26	7.8	21	010	14	330					
05	37	28	33	-9.4	72	26	31	32	0	0545	1847	RA	0.07	0.0	0	29.09	30.07	12.3	32	120	25	120					
06	44	32	38	-4.9	72	29	34	27	0	0543	1848	RA	T	0.0	0	28.79	29.72	10.9	25	350	20	320					
07	43	33	38	-5.4	76	30	34	27	0	0541	1849	RA SN BR	0.04	T	0	28.97	29.86	7.9	32	310	25	320					
08	37	24	31	-12.9	54	15	26	34	0	0539	1850	SN BR	0.02	0.5	0	29.18	30.07	17.1	37	320	29	320					
09	43	20*	32	-12.4	41	11	26	33	0	0538	1852		0.00	0.0	0	29.10	30.08	12.4	34	160	26	150					
10	59	35	47	2.1	45	24	36	18	0	0536	1853		0.00	0.0	0	28.79	29.71	15.8	38	270	29	320					
11	44	31	38	-7.4	44	16	29	27	0	0534	1854		0.00	0.0	0	29.20	30.07	14.7	42	310	30	310					
12	49	27	38	-7.9	41	17	32	27	0	0532	1855		T	T	0	29.31	30.24	8.5	25	100	21	100					
13	71	41	56	9.6	40	30	44	9	0	0531	1857		T	0.0	0	29.13	30.06	10.4	23	120	21	110					
14	76	49	62	15.1	38	36	49	3	0	0529	1858	HZ	0.00	0.0	0	29.10	30.00	14.3	34	170	25	170					
15	77	48	63	15.6	39	38	51	2	0	0527	1859		0.00	0.0	0	29.13	30.02	14.2	39	160	29	160					
16	80*	57	69	21.1	40	42	55	0	4	0525	1901		0.00	0.0	0	29.26	30.14	13.3	31	170	25	160					
17	79	58	68	19.6	46	47	57	0	3	0524	1902		0.00	0.0	0	29.35	30.24	10.1	23	150	18	170					
18	79	51	65	16.1	50	47	56	0	0	0522	1903	RA	0.19	0.0	0	29.31	30.20	8.8	25	070	21	070					
19	59	48	54	4.6	77	47	50	11	0	0520	1904	RA	0.08	0.0	0	29.29	30.20	10.7	23	110	18	120					
20	67	52	59	9.2	74	49	52	6	0	0519	1905	RA BR HZ	0.25	0.0	0	29.04	29.98	9.5	20	100	15	110					
21	66	50	58	7.7	82	51	53	7	0	0517	1907	TS RA DZ BR	0.32	0.0	0	28.98	29.88	6.7	27	010	20	010					
22	59	43	51	0.3	58	36	44	14	0	0515	1908		0.00	0.0	0	29.24	30.14	8.4	23	040	17	030					
23	71	43	57	5.8	54	42	50	8	0	0514	1909		T	0.0	0	29.07	29.99	10.7	24	130	20	160					
24	62	52	57	5.4	82	49	52	8	0	0512	1911	TS RA BR	0.39	0.0	0	28.80	29.74	13.9	27	090	23	090					
25	55	44	50	-2.1	88	48	49	15	0	0510	1912	TS RA DZ BR	0.53	0.0	0	28.76	29.64	10.7	28	020	17	110					
26	49	42	46	-6.5	78	39	43	19	0	0509	1913	DZ BR	T	0.0	0	29.03	29.92	11.5	27	050	20	070					
27	53	40	46	-6.9	59	31	39	19	0	0507	1914	RA BR	0.28	0.0	0	29.00	29.90	17.3	42	070	31	070					
28	43	37	40	-13.3	81	35	38	25	0	0506	1915	RA BR	0.65	0.0	0	29.13	30.03	11.7	34	070	24	070					
29	60	34	47	-6.7	64	36	43	18	0	0504	1917	BR	0.00	0.0	0	29.23	30.14	5.9	21	010	16	010					
30	58	42	50	-4.1	50	32	42	15	0	0503	1918		0.00	0.0	0	29.18	30.09	13.8	33	080	25	090					
Monthly Averages Totals													2.84	0.5		29.08	30.00	11.9									
Departure from Normal (1981-2010)													0.18														
Degree Days											Number of days with...																
Monthly					Season-to-date					Temperature				Precipitation		Snow		Weather									
Total		Departure			Total		Departure			Max		Min		>=0.01"		>=0.1"		>=1"		T-Storms		Heavy Fog					
Heating		515			-15			6144		>=90°		<=32°		<=32°		<=0°		12		7		0					
Cooling		7			2			7		0		0		10		0		12		7		0					
Date of 5-sec to 3-sec wind equipment change								Sea Level Pressure								Greatest...											
2006-09-13								Maximum				Date				Time				24-Hr...				Snow Depth			
								30.39				12				0755				Precip		Snowfall		0			
								29.49				03				1253				0.69		0.5					
								Date								24-25				08-08							
Station Augmentation																											
Name:NORTHWEST AIRLINES Lat: 44.8721 Lon: -93.2242 Elevation: 838ft Distance: 4201ft SE Elements: SNOWFALL, SNOWDPTH Equipment: SRG, SNOWSTICK																											

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
 National Environmental Satellite, Data, and Information Service

Local Climatological Data Hourly Observations April 2016

National Centers for Environmental Information
 151 Patton Avenue
 Asheville, North Carolina 28801

Current Location: Elev: 872 ft. Lat: 44.8831° N Lon: -93.2289° W

Generated on 02/04/2019

Station: **MINNEAPOLIS ST PAUL INTERNATIONAL AIRPORT, MN US 14922**

Date	Time (LST)	Station Type	Sky Conditions	Visi-bility	Weather Type (see documentation) AU AW MW	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Hum %	Wind Speed (MPH)	Wind Dir (Deg)	Wind Gusts (MPH)	Station Press (inHg)	Press. Tend	Net 3-Hr Change (inHg)	Sea Level Press. (inHg)	Report Type	Precip Total (in)	Alti-meter Setting (inHg)
						(F)	(C)	(F)	(C)	(F)	(C)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
30	0053	7	OVC:08 50	10.00		49	9.4	43	6.2	36	2.2	61	7	030		29.22			30.13	FM-15	0.00	30.12
30	0153	7	FEW:02 50 SCT:04 250	10.00		46	7.8	40	4.4	32	0.0	58	10	050		29.20			30.11	FM-15	0.00	30.10
30	0253	7	SCT:04 250	10.00		44	6.7	39	3.8	32	0.0	63	7	040		29.21	5	+0.01	30.12	FM-15	0.00	30.11
30	0353	7	FEW:02 250	10.00		43	6.1	38	3.3	31	-0.6	63	9	050		29.20			30.11	FM-15	0.00	30.10
30	0453	7	SCT:04 220	10.00		42	5.6	37	3.0	31	-0.6	65	10	050		29.18			30.09	FM-15	0.00	30.08
30	0553	7	BKN:07 230	10.00		43	6.1	38	3.5	32	0.0	65	14	060		29.19	5	+0.02	30.10	FM-15	0.00	30.09
30	0600	4		9.94		43	6.1	38	3.5	32	0.0	65	14	060		29.15	5	+0.02	30.10	FM-12		
30	0653	7	SCT:04 180 OVC:08 250	10.00		43	6.1	39	3.7	33	0.6	68	9	070		29.19			30.10	FM-15	0.00	30.09
30	0753	7	SCT:04 180 OVC:08 250	10.00		47	8.3	41	4.9	33	0.6	59	11	060		29.19			30.10	FM-15	0.00	30.09
30	0853	7	FEW:02 180 OVC:08 250	10.00		50	10.0	42	5.6	32	0.0	50	16	070		29.18	8	+0.00	30.09	FM-15	0.00	30.08
30	0953	7	FEW:02 180 OVC:08 250	10.00		53	11.7	44	6.4	32	0.0	45	18	060		29.17			30.08	FM-15	0.00	30.07
30	1053	7	OVC:08 200	10.00		53	11.7	44	6.4	32	0.0	45	21	070	29	29.17			30.08	FM-15	0.00	30.07
30	1153	7	OVC:08 200	10.00		55	12.8	45	7.0	32	0.0	42	16	070	28	29.16	6	+0.02	30.07	FM-15	0.00	30.06
30	1200	4		9.94		55	12.8	45	7.0	32	0.0	42	16	070		29.13	6	+0.02	30.07	FM-12		
30	1253	7	OVC:08 200	10.00		57	13.9	46	7.7	33	0.6	41	21	060	29	29.15			30.05	FM-15	0.00	30.05
30	1353	7	FEW:02 100 BKN:07 150 OVC:08 200	10.00		57	13.9	46	7.7	33	0.6	41	20	080	28	29.13			30.04	FM-15	0.00	30.03
30	1453	7	SCT:04 100 OVC:08 150	10.00		57	13.9	46	7.5	32	0.0	39	20	090		29.14	5	+0.02	30.05	FM-15	0.00	30.04
30	1553	7	SCT:04 100 OVC:08 150	10.00		57	13.9	46	7.9	34	1.1	42	15	090		29.13			30.04	FM-15	0.00	30.03
30	1653	7	SCT:04 70 BKN:07 100 OVC:08 140	10.00		57	13.9	46	7.9	34	1.1	42	14	080		29.13			30.04	FM-15	0.00	30.03
30	1753	7	OVC:08 60	10.00		55	12.8	46	7.6	35	1.7	47	14	030		29.14	5	+0.00	30.05	FM-15	0.00	30.04
30	1800	4	57	9.94		55	12.8	46	7.6	35	1.7	47	14	030		29.11	5	+0.00	30.05	FM-12		
30	1853	7	OVC:08 65	10.00		54	12.2	44	6.9	33	0.6	45	13	050		29.16			30.07	FM-15	0.00	30.06
30	1953	7	OVC:08 60	10.00		52	11.1	42	5.8	30	-1.1	43	16	050	29	29.18			30.09	FM-15	0.00	30.08
30	2053	7	OVC:08 65	10.00		50	10.0	41	5.0	29	-1.7	44	14	040	24	29.20	1	-0.05	30.10	FM-15	0.00	30.10
30	2153	7	OVC:08 65	10.00		48	8.9	40	4.4	29	-1.7	48	14	040		29.21			30.12	FM-15	0.00	30.11
30	2253	7	OVC:08 65	10.00		47	8.3	40	4.3	30	-1.1	52	14	040	21	29.22			30.12	FM-15	0.00	30.12
30	2353	7	OVC:08 60	10.00		47	8.3	40	4.5	31	-0.6	54	10	040		29.22	1	-0.02	30.13	FM-15	0.00	30.12

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 Station: **MINNEAPOLIS ST PAUL INTERNATIONAL AIRPORT, MN US 14922**

Local Climatological Data
Hourly Remarks
April 2016
 Generated on 02/04/2019

National Centers for Environmental Information
 151 Patton Avenue
 Asheville, North Carolina 28801

Date	Time (LST)	Remarks
30	0053	MET09804/30/16 00:53:02 METAR KMSP 300653Z 03006KT 10SM OVC050 09/02 A3012 RMK AO2 SLP204 T00940022 (PL)
30	0153	MET10504/30/16 01:53:02 METAR KMSP 300753Z 05009KT 10SM FEW050 SCT250 08/00 A3010 RMK AO2 SLP197 T00780000 (PL)
30	0253	MET10404/30/16 02:53:02 METAR KMSP 300853Z 04006KT 10SM SCT250 07/00 A3011 RMK AO2 SLP199 T00670000 55005 (PL)
30	0353	MET09904/30/16 03:53:02 METAR KMSP 300953Z 05008KT 10SM FEW250 06/M01 A3010 RMK AO2 SLP197 T00611006 (PL)
30	0453	MET09904/30/16 04:53:02 METAR KMSP 301053Z 05009KT 10SM SCT220 06/M01 A3008 RMK AO2 SLP190 T00561006 (PL)
30	0553	MET11604/30/16 05:53:02 METAR KMSP 301153Z 06012KT 10SM BKN230 06/00 A3009 RMK AO2 SLP192 T00610000 10094 20056 55007 (PL)
30	0600	SYN08072658 32966 60612 10061 20000 39873 40192 55007 91153 333 10156 20056 555 93012=
30	0653	MET10604/30/16 06:53:02 METAR KMSP 301253Z 07008KT 10SM SCT180 OVC250 06/01 A3009 RMK AO2 SLP194 T00610006 (TNP)
30	0753	MET10604/30/16 07:53:02 METAR KMSP 301353Z 06010KT 10SM SCT180 OVC250 08/01 A3009 RMK AO2 SLP192 T00830006 (TNP)
30	0853	MET11204/30/16 08:53:02 METAR KMSP 301453Z 07014KT 10SM FEW180 OVC250 10/00 A3008 RMK AO2 SLP191 T01000000 58001 (TNP)
30	0953	MET10604/30/16 09:53:02 METAR KMSP 301553Z 06016KT 10SM FEW180 OVC250 12/00 A3007 RMK AO2 SLP187 T01170000 (TNP)
30	1053	MET10204/30/16 10:53:02 METAR KMSP 301653Z 07018G25KT 10SM OVC200 12/00 A3007 RMK AO2 SLP187 T01170000 (TNP)
30	1153	MET12004/30/16 11:53:02 METAR KMSP 301753Z 07014G24KT 10SM OVC200 13/00 A3006 RMK AO2 SLP184 T01280000 10133 20061 56006 (TNP)
30	1200	SYN08672658 32966 80714 10128 20000 39864 40184 56006 91753 333 10133 20061 91024 555 93018=
30	1253	MET12004/30/16 12:53:02 METAR KMSP 301853Z 06018G25KT 10SM OVC200 14/01 A3005 RMK AO2 PK WND 09027/1837 SLP176 T01390006 (TNP)
30	1353	MET13404/30/16 13:53:02 METAR KMSP 301953Z 08017G24KT 10SM FEW100 BKN150 OVC200 14/01 A3003 RMK AO2 PK WND 08027/1917 SLP173 T01390006 (TNP)
30	1453	MET12904/30/16 14:53:02 METAR KMSP 302053Z 09017KT 10SM SCT100 OVC150 14/00 A3004 RMK AO2 PK WND 08029/2004 SLP177 T01390000 55007 (NK)
30	1553	MET10504/30/16 15:53:02 METAR KMSP 302153Z 09013KT 10SM SCT100 OVC150 14/01 A3003 RMK AO2 SLP172 T01390011 (NK)
30	1653	MET11204/30/16 16:53:02 METAR KMSP 302253Z 08012KT 10SM SCT070 BKN100 OVC140 14/01 A3003 RMK AO2 SLP172 T01390011 (NK)
30	1753	MET11604/30/16 17:53:02 METAR KMSP 302353Z 03012KT 10SM OVC060 13/02 A3004 RMK AO2 SLP177 T01280017 10144 20128 55001 (NK)
30	1800	SYN08072658 32766 80312 10128 20017 39857 40177 55001 92353 333 10144 20061 555 90100=
30	1853	MET09804/30/16 18:53:03 METAR KMSP 010053Z 05011KT 10SM OVC065 12/01 A3006 RMK AO2 SLP184 T01220006 (NK)
30	1953	MET10204/30/16 19:53:03 METAR KMSP 010153Z 05014G25KT 10SM OVC060 11/M01 A3008 RMK AO2 SLP188 T01111011 (NK)
30	2053	MET10804/30/16 20:53:03 METAR KMSP 010253Z 04012G21KT 10SM OVC065 10/M02 A3010 RMK AO2 SLP194 T01001017 51018 (NK)
30	2153	MET09904/30/16 21:53:03 METAR KMSP 010353Z 04012KT 10SM OVC065 09/M02 A3011 RMK AO2 SLP200 T00891017 (AP)
30	2253	MET10204/30/16 22:53:03 METAR KMSP 010453Z 04012G18KT 10SM OVC065 08/M01 A3012 RMK AO2 SLP201 T00831011 (AP)
30	2353	MET12704/30/16 23:53:03 METAR KMSP 010553Z 04009KT 10SM OVC060 08/M01 A3012 RMK AO2 SLP203 T00831006 10128 20083 401440056 51008 (AP)

Local Climatological Data
Hourly Precipitation
April 2016

Current Location: Elev: 872 ft. Lat: 44.8831° N Lon: -93.2289° W

Generated on 02/04/2019

Station: **MINNEAPOLIS ST PAUL INTERNATIONAL AIRPORT, MN US 14922**

Date	For Hour (LST) Ending at																						Date			
	1 AM	2 AM	3 AM	4 AM	5 AM	6 AM	7 AM	8 AM	9 AM	10 AM	11 AM	NOON	1 PM	2 PM	3 PM	4 PM	5 PM	6 PM	7 PM	8 PM	9 PM	10 PM		11 PM	MID	
01				T	0.01	0.01																		01		
02		T				T	T	T																02		
03																								03		
04																								04		
05									T	T	0.01	0.03	0.01	0.01	0.01									05		
06	T											T	T									T		06		
07							0.01	T	0.01							T	T	0.02	T		T			07		
08								T	0.01	T	0.01	T	T	T										08		
09																								09		
10																								10		
11																								11		
12																T								12		
13			T																					13		
14																								14		
15																								15		
16																								16		
17																								17		
18																					0.01s	0.09	0.04	0.05	18	
19	0.04	0.01	0.01	T	T					0.01	0.01									T				19		
20																		T	0.02	0.07	0.08	0.06	0.02	T	20	
21		T	T		T	T			0.02s	0.15	0.01	T	T				0.14	T					T	21		
22																								22		
23																								T	23	
24					0.01	0.01	0.01	0.12	0.08	0.06	0.02	T	0.01	T	0.02	T				T	0.01s	0.04	T	T	24	
25	0.04	0.03	T	0.02			T	0.36	0.03	0.05	T											T	T	T	25	
26					T	T		T	T	T	T														26	
27																0.01s	0.10	0.12	0.04				T	0.01	T	27
28	T			T	T	0.01	0.04	0.07	0.02	0.05	T		T	T	0.06s	0.08	0.04	0.07	0.07	0.06	0.04	0.03	0.01	T	28	
29																									29	
30																									30	

Maximum Short Duration Precipitation

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)	0.13	0.15	0.21	0.27	0.36	0.37	0.37	0.38	0.39	0.41	0.44	0.44
Ending Date Time (yyyy-mm-dd hh:mi)	2016-04-25 07:30	2016-04-25 07:31	2016-04-25 07:40	2016-04-25 07:45	2016-04-25 07:52	2016-04-25 08:05	2016-04-25 08:05	2016-04-25 08:31	2016-04-25 08:58	2016-04-25 09:24	2016-04-25 09:45	2016-04-25 09:45

Hourly, daily, and monthly totals on the Daily Summary page and the Hourly Precipitation Table are shown as reported by the instrumentation at the site. However, NWS does not edit hourly values for its ASOS sites, but may edit the daily and monthly totals for selected sites which will be reflected on the Daily Summary page.

T = Trace
 \$ = Suspect
 * = Erroneous
 blank = No precipitation observed
 M = Missing