

Fort Collins, Larimer County Colorado June, 1998 Vol. 23 No. 6

MOUNTAIN STATES WEATHER SERVICES

820 S. Summit View Drive
Fort Collins, CO 80524-3670
Phone (303) 484-9463



LOCAL CLIMATOLOGICAL DATA/Monthly

STATION: MSWS OBSERVATORY, FORT COLLINS, COLO.
MONTH: JUNE YEAR: 1998
LATITUDE: 40°35'N LONGITUDE: 105°01'W
GROUND ELEVATION: 4920 FT.

DAY	TEMPERATURE °F						PRECIPITATION (in.)		SNOW, ICE PELLETS OR ICE ON GROUND AT 0500M	AVERAGE SPEED (m.p.h.)	WIND (10's of Degrees)				SKY COVER SUNRISE TO SUNSET (TENTHS)	WEATHER OCCURRENCES	SKY COVER MIDN'T-MIDN'T (TENTHS)	RELATIVE HUMIDITY				DAY	
	MAXIMUM	MINIMUM	AVERAGE	DEGREE DAYS (Base 65°)		TOTAL (Water equivalent)	SNOW-FALL, ICE PELLETS	PREVAILING DIRECTION			FASTEST 1-MINUTE		PEAK GUST					0500 MST	1100 MST	1700 MST	2300 MST		
				HEATING	COOLING						SPEED (m.p.h.)	DIRECTION	SPEED (m.p.h.)	DIRECTION									
1	86	47	67	0	2	0	0	0	11.2	32	30	40	32	1		2	91	11	11	38	1		
2	80	50	65	0	0	0	0	0	8.5	12	19	12	23	12	3		4	43	27	29	62	2	
3	50	40	45	20	0	.11	0	0	8.4	12	21	12	25	12	10		10	97	83	77	93	3	
4	51	40	46	19	0	.49	0	0	7.6	12	17	07	23	07	10	2	10	91	75	83	81	4	
5	50	35	43	22	0	.06	0	0	5.3	02	12	18	13	18	10		8	74	55	51	82	5	
6	68	34	51	14	0	T	0	0	5.2	24	20	20	25	20	7	1	6	91	27	32	74	6	
7	73	46	60	5	0	T	0	0	6.8	34	21	30	22	30	5	3	6	27	41	33	28	7	
8	65	47	56	9	0	.69	0*	0	6.3	03	18	05	26	05	10	3	9	29	44	76	91	8	
9	69	47	58	7	0	T	0	0	5.0	34	19	34	25	34	9	3	8	82	54	38	81	9	
10	68	46	57	8	0	.04	0	0	5.1	36	10	35	20	35	10	3	8	87	49	39	73	10	
11	75	46	61	4	0	0	0	0	6.3	14	17	33	22	33	5		6	86	23	19	76	11	
12	80	49	65	0	0	0	0	0	5.1	32	13	12	14	12	2		4	89	21	15	51	12	
13	70	51	61	4	0	.08	0	0	9.4	32	28	32	36	32	7	3	7	81	36	21	34	13	
14	71	48	60	5	0	.07	0	0	11.5	36	23	36	34	36	9	3	9	46	31	68	89	14	
15	69	43	66	9	0	0	0	0	5.5	33	15	33+	21	33+	6		7	94	25	25	59	15	
16	74	48	61	4	0	T	0	0	7.5	02	17	02	24	02	9		9	87	36	62	61	16	
17	64	48	56	9	0	.11	0*	0	7.0	36	24	32	32	32	9	3	9	76	53	38	60	17	
18	74	46	60	5	0	0	0	0	9.1	32	24	34	38	34	7		6	73	24	23	76	18	
19	87	44	66	0	1	0	0	0	7.4	18	20	18	23	18	1		1	96	16	15	42	19	
20	78	55	67	0	2	T	0	0	6.0	14	22	21	28	21	4	3	4	54	40	29	74	20	
21	76	51	64	1	0	-.01	0	0	4.8	34	32	21	39	21	6	3	5	92	32	38	75	21	
22	85	47	66	0	1	0	0	0	5.8	14	23	16	26	16	3		3	96	38	19	78	22	
23	85	56	71	0	6	0	0	0	5.5	12	15	15	18	15	2		3	78	36	11	65	23	
24	86	50	68	0	3	0	0	0	7.6	36	24	24	29	24	3		2	71	16	9	47	24	
25	91	46	69	0	4	0	0	0	7.1	12	15	17	22	17	0		0	90	25	14	59	25	
26	92	51	72	0	7	0	0	0	7.1	24	23	24	29	24	1		1	80	14	14	42	26	
27	86	51	69	0	4	0	0	0	4.7	14	14	33+	17	33	1		1	74	29	26	31	27	
28	90	50	70	0	5	0	0	0	5.2	34	12	18	16	18	0		0	81	33	26	64	28	
29	91	57	74	0	9	0	0	0	5.1	36	13	32	17	32	2		2	73	22	24	69	29	
30	83	60	72	0	7	0	0	0	5.4	33	13	16	16	16	7		6	80	61	60	84	30	
31																							31
SUM	2267	1429		145	51	1.66	0*		201.5						159		156	2479	1079	1023	2008	SUM	
AVG	75.6	47.6							6.7	PRE-VAILING 36	FASTEST 32	DIRECTION 21	PEAK 40	DIRECTION 32	5.3		5.2	81	36	34	67	AVG.	
										MISC. →													
										DATE →													

TEMPERATURE DATA		PRECIPITATION DATA		WEATHER		SYMBOLS USED IN COLUMN 17	
AVERAGE MONTHLY	61.6	TOTAL FOR THE MONTH	1.66	NUMBER OF DAYS -		NUMBER OF DAYS -	
DEPARTURE FROM NORMAL	- 3.8	DEPARTURE FROM NORMAL	.27	CLEAR (Scale 0-3)	12	1 - FOG	2
HIGHEST	92 ON 26TH	GREATEST IN 24 HRS.	.69 ON 8TH	PARTLY CLOUDY (Scale 4-7)	9	2 - FOG WITH VISIBILITY 1/4 MILE OR LESS	1
LOWEST	34 ON 6TH	SNOWFALL, ICE PELLETS		CLOUDY (Scale 8-10)	9	3 - THUNDER	9
NUMBER OF DAYS WITH -		TOTAL FOR THE MONTH	0.0*	WITH TRACE OR MORE PRECIP.	14	4 - ICE PELLETS	0
MAX. 32° OR BELOW	0	GREATEST IN 24 HRS.	0* ON 17TH	WITH 0.01 INCH OR MORE PRECIP.	9	5 - HAIL	2
MAX. 90° OR ABOVE	4	GREATEST DEPTH ON GROUND	0 ON -	WITH 0.10 INCH OR MORE PRECIP.	4	6 - GLAZE OR RIME	0
MIN. 32° OR BELOW	0	NOTES:	0* - trace hail	WITH 0.50 INCH OR MORE PRECIP.	1	7 - DUSTSTORM OR SANDSTORM	0
MIN. 0° OR BELOW	0		June 6 morning frost	WITH 1.00 INCH OR MORE PRECIP.	0	8 - SMOKE OR HAZE	0
HEATING DEGREE DAYS (Base 65°)			June 8 hail 1231-1247 less than 1/4 inch diameter			9 - BLOWING SNOW	0
TOTAL THIS MONTH	145		June 13 funnel cloud 75 1341-1347			X - TORNADO	0
DEPARTURE FROM NORMAL	+ 72		June 17 hail 1502-1504 1/4 inch diameter				
SEASONAL TOTAL	6308						
DEPARTURE FROM NORMAL	- 177						
COOLING DEGREE DAYS (Base 65°)							
TOTAL THIS MONTH	51						
DEPARTURE FROM NORMAL	- 36						
SEASONAL TOTAL	63						
DEPARTURE FROM NORMAL	- 31						

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GROUND ELEVATION: 4920 FT.

Vol. 23, No. 6

June, 1998

Fort Collins, Larimer County, Colorado

DAY	TEMPERATURE °F						PRECIPITATION (in.)		SNOW, ICE PELLETS OR ICE ON GROUND AT 0500M	AVERAGE SPEED (m.p.h.)	WIND (10's of Degrees)				SKY COVER SUNRISE TO SUNSET (TENTHS)	WEATHER OCCURRENCES	SKY COVER MIDN'T-MIDN'T (TENTHS)	RELATIVE HUMIDITY				DAY	
	MAXI-MUM	MINI-MUM	AVER-AGE	DEGREE DAYS (Base 65°)		TOTAL (Water equivalent)	SNOW-FALL, ICE PELLETS	PREVAILING DIRECTION			FASTEST 1-MINUTE		PEAK GUST					0500 MST	1100 MST	1700 MST	2300 MST		
				HEATING	COOLING						SPEED (m.p.h.)	DIREC-TION	SPEED (m.p.h.)	DIREC-TION									
1	86	47	67	0	2	0	0	0	11.2	32	30	32	40	32	1		2	91	11	11	38	1	
2	80	50	65	0	0	0	0	0	8.5	12	19	12	23	12	3		4	43	29	29	69	2	
3	50	40	45	20	0	.11	0	0	8.4	12	21	12	25	12	10	1	10	97	83	77	93	3	
4	51	40	46	19	0	.49	0	0	7.6	12	17	07	23	07	10	2	10	91	75	83	81	4	
5	50	35	43	22	0	.06	0	0	5.3	02	12	18	13	18	10		8	74	55	51	88	5	
6	68	34	51	14	0	T	0	0	5.2	24	20	20	25	20	7	1	6	91	27	30	74	6	
7	73	46	60	5	0	T	0	0	6.8	34	21	30	28	30	5	3	6	87	41	33	78	7	
8	65	47	56	9	0	.69	0*	0	6.3	03	18	05	26	05	10	3 5	9	89	44	76	91	8	
9	69	47	58	7	0	T	0	0	5.0	34	19	34	25	34	9	3	8	82	54	38	81	9	
10	68	46	57	8	0	.04	0	0	5.1	36	16	35	20	35	10	3	8	87	49	39	73	10	
11	75	46	61	4	0	0	0	0	6.3	14	17	33	22	33	5		6	86	23	19	76	11	
12	80	49	65	0	0	0	0	0	5.1	32	13	18	14	18	2		4	89	21	15	51	12	
13	70	51	61	4	0	.08	0	0	9.4	32	28	32	36	32	7	3	7	81	36	21	34	13	
14	71	48	60	5	0	.07	0	0	10.5	36	23	36	34	36	9	3	9	46	31	68	89	14	
15	69	43	66	9	0	0	0	0	5.5	33	15	33+	21	33+	6		7	94	25	25	59	15	
16	74	48	61	4	0	T	0	0	7.5	02	17	02	24	02	9		9	87	36	62	61	16	
17	64	48	56	9	0	.11	0*	0	7.0	36	24	32	32	32	9	3 5	9	76	53	38	60	17	
18	74	46	60	5	0	0	0	0	9.1	32	24	34	38	34	7		6	73	24	23	76	18	
19	87	44	66	0	1	0	0	0	7.4	18	20	18	23	18	1		1	96	16	15	48	19	
20	78	55	67	0	2	T	0	0	6.0	14	22	21	28	21	4	3	4	54	40	29	74	20	
21	76	51	64	1	0	.01	0	0	4.8	34	32	21	39	21	6	3	5	92	32	38	75	21	
22	85	47	66	0	1	0	0	0	5.8	14	23	16	26	16	3		3	96	38	19	78	22	
23	85	56	71	0	6	0	0	0	5.5	12	15	15	18	15	2		3	78	36	11	65	23	
24	86	50	68	0	3	0	0	0	7.6	36	24	24	29	24	3		2	71	16	9	47	24	
25	91	46	69	0	4	0	0	0	7.1	18	15	17	23	17	0		0	90	25	14	59	25	
26	92	51	72	0	7	0	0	0	7.1	24	23	24	29	24	1		1	80	14	14	42	26	
27	86	51	69	0	4	0	0	0	4.7	14	14	33+	17	33	1		1	74	29	26	31	27	
28	90	50	70	0	5	0	0	0	5.2	34	12	18	16	18	0		0	81	33	26	64	28	
29	91	57	74	0	9	0	0	0	5.1	36	13	32	17	32	2		2	73	22	24	69	29	
30	83	60	72	0	7	0	0	0	5.4	33	13	16	16	16	7		6	80	61	60	84	30	
31																							31
SUM	2267	1429	—	145	51	1.66	0*	—	201.5	—	—	—	—	—	159	—	156	242	107	102	32	2008	SUM
AVG	75.6	47.6	—	—	—	—	—	—	6.9	PRE-VAILING	FASTEST	DIRECTION	PEAK	DIRECTION	5.3	—	5.2	81	36	34	67	AVG.	
								MISC.	→	36	32	21	40	32	—	—	—	—	—	—	—	—	
								DATE	→	21st			1st		—	—	—	—	—	—	—	—	

TEMPERATURE DATA		PRECIPITATION DATA		WEATHER		SYMBOLS USED IN COLUMN 17	
AVERAGE MONTHLY	61.6	TOTAL FOR THE MONTH	1.66 IN.	NUMBER OF DAYS --	12	NUMBER OF DAYS --	2
DEPARTURE FROM NORMAL	- 3.8	DEPARTURE FROM NORMAL	- .27 IN.	CLEAR (Scale 0-3)	9	1 = FOG	1
HIGHEST	92 ON 26TH	GREATEST IN 24 HRS.	.69 ON 8TH	PARTLY CLOUDY (Scale 4-7)	9	2 = FOG WITH VISIBILITY 1/4 MILE OR LESS	9
LOWEST	34 ON 6TH	SNOWFALL, ICE PELLETS	0.0*	CLOUDY (Scale 8-10)	14	3 = THUNDER	0
NUMBER OF DAYS WITH --		TOTAL FOR THE MONTH	0* ON 17TH	WITH TRACE OR MORE PRECIP.	9	4 = ICE PELLETS	2
MAX. 32° OR BELOW	0	GREATEST IN 24 HRS.	0 ON --	WITH 0.01 INCH OR MORE PRECIP.	4	5 = HAIL	0
MAX. 90° OR ABOVE	4	GREATEST DEPTH ON GROUND	0 ON --	WITH 0.10 INCH OR MORE PRECIP.	1	6 = GLAZE OR RIME	0
MIN. 32° OR BELOW	0	NOTES: 0* - trace hail		WITH 0.50 INCH OR MORE PRECIP.	0	7 = DUSTSTORM OR SANDSTORM	0
MIN. 0° OR BELOW	0	June 6 - morning frost		WITH 1.00 INCH OR MORE PRECIP.	0	8 = SMOKE OR HAZE	0
HEATING DEGREE DAYS (Base 65°)		June 8 - hail 1231 - 1247				9 = BLOWING SNOW	0
TOTAL THIS MONTH	145	less than 1/4 inch diameter				X = TORNADO	0
DEPARTURE FROM NORMAL	+ 72	June 13- funnel cloud 7S 1341 - 1347					
SEASONAL TOTAL	6308	June 17- hail 1502 - 1504, 1/4 inch diameter					
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TOTAL THIS MONTH	51						
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RECORD OF HOURLY WEATHER OBSERVATIONS

STATION: **MSWS OBSERVATORY Fort Collins, Colorado**

DATE: **JUN 01 1998**

8/001
 8/000
 8/001
 8/101
 8/031
 8/000
 8/000

TIME (MST)	Temperature (°F)	Relative Humidity (%)	Precipitation (Melted-inches)	Snowfall (Unmelted-inches)	Sky Cover (Scale 0-10)	WIND			PEAK WIND			Visibility	REMARKS	Weather and Obstruction to Vision	Time of Beginning	Time of End
						Direction (Tens of Degrees)	1-Minute Speed (MPH)	2-Minute Speed (MPH)	Character	Peak Speed (MPH)	Associated Direction						Time of Occurrence
0100	52	85			5	02	03	03					75			
0200	51	89			5	03	05	05					75			
0300	50	90			5	35	06	06					75			
0400	48	97			4	03	05	05					75			
0500	47	91			0	32	03	03					75			
0600	56	45			2	16	05	05					75			
0700	73	13			1	32	19	19	334	34	32	0657	75	10SHFT 05 INCLD		
0800	74	14			1	32	28	28	340	40	32	0758	75			
0900	76	14			1	32	22	22	332	38	32	0801	75			
1000	78	12			1	32	23	23	332	37	32	0920	75			
1100	81	11			1	32	16	16	332	37	32	1013	75			
1200	82	10			2	33	16	16	325	31	32	1107	75	801110		
1300	83	10			3	32	13	15	325	28	32	1223	75			
1400	85	9			3	32	16	16	324	25	32	1313	75			
1500	85	8			1	32	12	13	326	31	32	1429	75			
1600	86	9			0	32	13	13	318				75	LU DSNT W		
1700	86	11			0	32	13	13					75			
1800	86	12			0	33	10	10					75			
1900	80	15			0	34	09	09					75			
2000	74	17			0	32	08	08					75			
2100	72	20			0	32	07	07					75			
2200	66	27			0	01	03	03					75			
2300	62	38			0	36	05	05					75			
2400	61	39			0	33	09	09					75	60/2330		
SUM	.....	.....	0	0	35	Prevailing	269	272	.....	.....	.....	.....	.....
AVG	.....	.....	.....	.....	1.5	32	11.2	11.3	.....	.....	.....	.....	.....

Time (MST)	Max Temp	Min Temp	Precip	Snow-fall	Snow on the Ground
0000-0500	56	47	0	0	0
0500	58	47	0	0	0
1100	81	47	0	0	0
1700	86	80	0	0	0
2300	86	62	0	0	0
2300-2400	62	60	0	0	0

TEMPERATURE (°F)					Precipitation (Inches)			WIND (MPH/10's of Degrees)								SKY COVER		Weather or obstructions to vision			
24-Hour Max	24-Hour Min	Avg. Temperature	Heating Degree Days	Cooling Degree Days	Total Precipitation	Total Snow-fall	Snow/Ice on Ground 0500	Prvg Wind Direc	Avg Hourly Wind Speed	Highest 1-Min Speed	Associated Direc	Time	Highest 2-Min Speed	Associated Direc	Time	Peak Gust	Associated Direc		Time	Avg. Sunrise to Sunset	Avg. 0000-2400
86	47	67	0	2	0	0	0	32	11.2	30	32	0758	30	32	0758	40	92	0758	1	2	

Additional notes, remarks or comments:
 0758 WIND 3230 640 mph (2 min 30 mph)

BWW: B 0145 E 2000 (WIND DIRECTION ESTIMATED AT OTHER TIMES)

Sunrise 0432 Sunset 1924

TIME (MST)	0455		
ATT. THERM.	74.5		
OBSRVD. BARO.	25.094		
TOTAL CORR.	-0.12		
STA. PRESS.	24.968		
BAROGRAPH	24.965		
BARO. CORR.	+0.05		
SEA LEVEL PRES.	1008.8		
ALTIMETER SETTING	29.92		
ANEROID BARO.	24.980		
CORR.	-0.10		