

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: 1995

LATITUDE: 40°35'N LONGITUDE: 105°01'W

GROUND ELEVATION: 4920 FT.

FORT COLLINS, COLORADO July, 1995 Vol. 20 No. 6

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					18	19	20	21		22	23
				HEATING	COOLING						SPEED (m.p.h.)	DIRECTION	SPEED (m.p.h.)	DIRECTION										
1	77	43	60	5	0	0	0	0	4.9	36	13	19	16	19	4		3	73	22	34	84	1		
2	74	47	61	4	0	.69	0*	0	5.9	36	22	15	29	15	7	3 5	6	91	46	89	88	2		
3	68	51	60	5	0	0	0	0	5.1	07	17	09	25	09	10 1		10	91	65	53	87	3		
4	61	52	57	8	0	.05	0	0	4.3	07	8	22+	9	22	10 1		10	87	73	85	94	4		
5	77	50	64	1	0	0	0	0	5.5	17	10	19+	12	19+	4 1		4	91	40	29	85	5		
6	78	50	64	1	0	.04	0	0	8.3	36	20	34	26	34	4 3		4	90	31	46	52	6		
7	69	47	58	7	0	.14	0	0	7.1	14	18	14+	21	14+	7 3		8	72	53	70	91	7		
8	52	44	48	17	0	.61	0	0	7.5	09	13	07+	15	07+	10 2		10	93	92	92	95	8		
9	66	43	55	10	0	.42	0	0	6.2	18	15	04	18	04	7 1		7	91	65	34	87	9		
10	57	45	51	14	0	.11	0	0	5.4	34	10	03+	12	03+	10 1		9	81	77	59	91	10		
11	71	41	56	9	0	0	0	0	5.4	18	10	18+	12	18+	2 2		1	93	51	34	87	11		
12	84	47	66	0	1	0	0	0	5.0	18	10	16+	12	16+	1		1	90	26	25	84	12		
13	88	52	70	0	5	0	0	0	4.0	02	9	12	10	12	0		6	91	43	29	85	13		
14	91	53	72	0	7	0	0	0	4.7	18	12	18	14	18	4		5	94	37	24	77	14		
15	86	55	71	0	6	0	0	0	5.3	33	13	24	17	24	6 3		6	91	34	41	66	15		
16	86	53	70	0	5	0	0	0	7.5	16	20	16	28	16	8		9	97	41	27	59	16		
17	76	52	64	1	0	.77	0*	0	6.1	18	24	25	45	25	10 3.5		10	88	50	89	94	17		
18	76	49	63	2	0	0	0	0	4.9	07	12	07+	14	07+	0		0	92	26	20	77	18		
19	84	48	66	0	1	0	0	0	5.3	36	12	07	14	07	1		1	91	39	28	70	19		
20	86	54	70	0	5	.01	0	0	5.3	36	9	18	10	18	2 3		2	92	31	25	68	20		
21	86	54	70	0	5	.01	0	0	5.2	34	15	13	18	13	4 3		4	89	39	32	55	21		
22	78	51	65	0	0	.09	0	0	5.0	03	15	03	18	03	4 3		4	93	38	37	91	22		
23	76	51	64	1	0	T	0	0	4.7	03	15	36	20	36	5 3		5	84	28	37	84	23		
24	71	51	61	1	0	T	0	0	4.5	34	14	23	17	23	6 3		5	89	41	52	87	24		
25	78	44	61	4	0	.13	0	0	4.3	36	13	15	15	15	5 3		5	96	28	33	70	25		
26	80	50	65	0	0	0	0	0	4.5	34	9	34	12	34	2		4	93	27	26	80	26		
27	87	51	69	0	4	T	0	0	4.0	24	16	24	20	24	9 3		9	86	33	28	74	27		
28	64	52	58	7	0	.43	0	0	5.3	03	10	03	13	03	10 1 3		10	88	70	89	91	28		
29	58	47	53	12	0	.03	0	0	3.9	02	11	02	12	02	10 1		10	86	55	55	86	29		
30	59	51	55	10	0	T	0	0	4.1	14	8	12	9	12	10 1		10	82	80	73	91	30		
31																							31	
SUM	2244	1478		122	39	3.83	0*		159.2						180		178	2675	1371	1395	2436	SUM		
AVG	74.8	49.3							5.3	PREVAILING 36	FASTEST 24	DIRECTION 25	PEAK 45	DIRECTION 15	6.0		5.9	89	46	47	81	AVG.		
MISC.																								
DATE																								

TEMPERATURE DATA		PRECIPITATION DATA		WEATHER		SYMBOLS USED IN COLUMN 17	
AVERAGE MONTHLY	63.4	TOTAL FOR THE MONTH	3.83 IN.	NUMBER OF DAYS -		NUMBER OF DAYS -	
DEPARTURE FROM NORMAL	- 2.0	DEPARTURE FROM NORMAL	+ 1.90 IN.	CLEAR (Scale 0-3)	6	1 = FOG	8
HIGHEST	91 ON 14TH	GREATEST IN 24 HRS.	.81 ON 7TH-8TH	PARTLY CLOUDY (Scale 4-7)	13	2 = FOG WITH VISIBILITY 1/4 MILE OR LESS	2
LOWEST	41 ON 11TH	SNOWFALL, ICE PELLETS		CLOUDY (Scale 8-10)	11	3 = THUNDER	13
NUMBER OF DAYS WITH -		TOTAL FOR THE MONTH	0*	WITH TRACE OR MORE PRECIP.	18	4 = ICE PELLETS	0
MAX. 32° OR BELOW	0	GREATEST IN 24 HRS.	0* ON 2ND+17TH	WITH 0.01 INCH OR MORE PRECIP.	14	5 = HAIL	2
MAX. 90° OR ABOVE	1	GREATEST DEPTH ON GROUND	0 ON -	WITH 0.10 INCH OR MORE PRECIP.	0	6 = GLAZE OR RIME	0
MIN. 32° OR BELOW	0	NOTES:		WITH 0.50 INCH OR MORE PRECIP.	0	7 = DUSTSTORM OR SANDSTORM	0
MIN. 0° OR BELOW	0	* HAIL - trace		WITH 1.00 INCH OR MORE PRECIP.	0	8 = SMOKE OR HAZE	0
HEATING DEGREE DAYS (Base 65°)		June 29 Lowest maximum temperature record, 58, old record 61 from 1987				9 = BLOWING SNOW	0
TOTAL THIS MONTH	122	June 30 Lowest maximum temperature record 59, old record 68 from 1914 and 1951				Σ = TORNADO	0
DEPARTURE FROM NORMAL	+ 49						
SEASONAL TOTAL	648.3						
DEPARTURE FROM NORMAL	+ 62						
COOLING DEGREE DAYS (Base 65°)							
TOTAL THIS MONTH	39						
DEPARTURE FROM NORMAL	- 48						
SEASONAL TOTAL	39						
DEPARTURE FROM NORMAL	- 48						

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MONTH: June YEAR: 1995

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GROUND ELEVATION: 4920 FT.

Fort Collins, Colorado July 1995 Vol. 20 No. 6

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	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	77	43	60	5	0	0	0	0	4.9	36	13	19	16	19	4		3	73	22	34	84	1	
2	74	47	61	4	0	.69	0*	0	5.9	36	22	15	29	15	7	3 5	6	91	46	89	88	2	
3	68	51	60	5	0	0	0	0	5.1	07	17	09	25	09	10	1	10	91	65	53	87	3	
4	61	52	57	8	0	.05	0	0	4.3	07	8	22+	9	22	10	1	10	87	73	85	94	4	
5	77	50	64	1	0	0	0	0	5.5	17	10	19+	12	19+	4	1	4	91	40	29	85	5	
6	78	50	64	1	0	.04	0	0	8.3	36	20	34	26	34	4	3	4	90	31	46	58	6	
7	69	47	58	7	0	.44	0	0	7.1	14	18	14+	21	14+	7	3	8	72	53	70	91	7	
8	52	44	48	17	0	.61	0	0	7.5	09	13	07+	15	07+	10	2	10	93	92	92	95	8	
9	66	43	55	10	0	.42	0	0	6.2	18	15	04	18	04	7	1	7	91	55	34	87	9	
10	57	45	51	14	0	.11	0	0	5.4	34	10	03+	12	03+	10	1	9	91	77	59	91	10	
11	71	41	56	9	0	0	0	0	5.4	18	10	18+	12	18+	2	2	1	93	51	34	87	11	
12	84	47	66	0	1	0	0	0	5.0	18	10	16+	12	16+	1		1	90	26	25	84	12	
13	88	52	70	0	5	0	0	0	4.0	02	9	12	10	12	8		6	91	43	29	85	13	
14	91	53	72	0	7	0	0	0	4.7	18	12	18	14	18	4		5	94	37	24	77	14	
15	86	55	71	0	6	0	0	0	5.3	33	13	24	17	24	6	3	6	91	34	41	66	15	
16	86	53	70	0	5	0	0	0	7.5	16	20	16	28	16	8		9	97	41	27	59	16	
17	76	52	64	1	0	.77	0*	0	6.1	18	24	25	45	25	10	3 5	10	88	50	89	94	17	
18	76	49	63	2	0	0	0	0	4.9	07	12	07+	14	07+	0		0	92	26	20	77	18	
19	84	48	66	0	1	0	0	0	5.3	36	12	07	14	07	1		1	91	39	28	70	19	
20	86	54	70	0	5	.01	0	0	5.3	36	9	18	10	18	2	3	2	92	31	25	68	20	
21	86	54	70	0	5	.01	0	0	5.2	34	15	13	18	13	4	3	4	89	39	32	55	21	
22	78	51	65	0	0	.09	0	0	5.0	03	15	03	18	03	4	3	4	93	38	37	91	22	
23	76	51	64	1	0	T	0	0	4.7	03	15	36	20	36	5	3	5	84	28	37	84	23	
24	71	51	61	4	0	T	0	0	4.5	34	14	23	17	23	6	3	5	89	41	52	87	24	
25	78	44	61	4	0	.13	0	0	4.3	36	13	15	15	15	5	3	5	96	28	33	70	25	
26	80	50	65	0	0	0	0	0	4.5	34	9	34	12	34	2		4	93	27	26	80	26	
27	87	51	69	0	4	T	0	0	4.0	24	16	24	20	24	9	3	9	86	33	28	74	27	
28	64	52	58	7	0	.43	0	0	5.3	03	10	03	13	03	10	1 3	10	88	70	89	91	28	
29	58	47	53	12	0	.03	0	0	3.9	02	11	02	12	02	10	1	10	86	55	55	86	29	
30	59	51	55	10	0	T	0	0	4.1	14	8	12	9	12	10	1	10	82	80	73	91	30	
31																							31
SUM	2244	1478		122	39	3.83	0*		159.2						180		178	2675	1371	1395	2436	SUM	
AVG	74.8	49.3							5.3	PRE-VAILING	FASTEST	DIRECTION	PEAK	DIRECTION	6.0		5.9	89	46	47	81	AVG.	
								MISC.		36	24	25	45	25									
								DATE			17th		17th										

TEMPERATURE DATA		PRECIPITATION DATA		WEATHER		SYMBOLS USED IN COLUMN 17	
AVERAGE MONTHLY	63.4	TOTAL FOR THE MONTH	3.83	NUMBER OF DAYS -		NUMBER OF DAYS -	
DEPARTURE FROM NORMAL	- 2.0	DEPARTURE FROM NORMAL	+1.90	CLEAR (Scale 0-3)	6	1 - FOG	8
HIGHEST	91 ON 14th	GREATEST IN 24 HRS.	.81 ON 7th-8th	PARTLY CLOUDY (Scale 4-7)	13	2 - FOG WITH VISIBILITY 1/4 MILE OR LESS	2
LOWEST	41 ON 11th	SNOWFALL, ICE PELLETS		CLOUDY (Scale 8-10)	11	3 - THUNDER	13
NUMBER OF DAYS WITH -		TOTAL FOR THE MONTH	0*	WITH TRACE OR MORE PRECIP.	18	4 - ICE PELLETS	0
MAX. 32° OR BELOW	0	GREATEST IN 24 HRS.	0* ON 2nd-17th	WITH 0.01 INCH OR MORE PRECIP.	14	5 - HAIL	2
MAX. 90° OR ABOVE	1	GREATEST DEPTH ON GROUND	0 ON -	WITH 0.10 INCH OR MORE PRECIP.	8	6 - GLAZE OR RIME	0
MIN. 32° OR BELOW	0			WITH 0.50 INCH OR MORE PRECIP.	3	7 - DUSTSTORM OR SANDSTORM	0
MIN. 0° OR BELOW	0			WITH 1.00 INCH OR MORE PRECIP.	0	8 - SMOKE OR HAZE	0
HEATING DEGREE DAYS (Base 65°)		NOTES: *	Trail-trace			9 - BLOWING SNOW	0
TOTAL THIS MONTH	122		June 29 Lowest maximum temperature record, 58			0 - TORNADO	0
DEPARTURE FROM NORMAL	+ 49		old record 61 from 1987				
SEASONAL TOTAL	6483		June 30 Lowest maximum temperature record 59,				
DEPARTURE FROM NORMAL	+ 52		old record 68 from 1914 and 1951				
COOLING DEGREE DAYS (Base 65°)							
TOTAL THIS MONTH	39						
DEPARTURE FROM NORMAL	- 48						
SEASONAL TOTAL	39						
DEPARTURE FROM NORMAL	- 48						

RECORD OF HOURLY WEATHER OBSERVATIONS

STATION: MSWS OBSERVATORY
Fort Collins, Colorado

DATE: JUN 01 1995

TIME (MST)	Temperature (°F)	Relative Humidity (%)	Precipitation (Melted-Inches)	Snowfall (Unmelted-Inches)	Sky Cover (Scale 0-10)	Weather or Obstructions To Vision	WIND			PEAK WIND			Visibility	REMARKS	2-MINUTE WIND SPEED	Weather and Obstruction to Vision	Time Of Beginning	Time Of Ending	
							Direction (Tens of Degrees)	Speed (MPH)	Character	Peak Speed (MPH)	Associated Direction	Time Of Occurrence							
0100	45	90			1		04	06					15		05				
0200	46	78			1		00	00					15		00				
0300	45	83			0		03	05					15		05				
0400	44	85			0		02	05					15		05				
0500	47	73			0		34	04					75	SC. DSNT SW ONTNS 43/0410	04				
0600	54	55			0		36	07					75	SC. DSNT SW-W ONTNS	06				
0700	61	44			0		36	07					75	SC. DSNT SW-W	07				
0800	65	31			1		36	09					75	MOT CU W	08				
0900	70	30			1		02	08					75	MOT CU W	07				
1000	71	25			2		34	08					75	MOT CU W	08				
1100	72	22			2		36	07					75	MOT CU W	07				
1200	74	21			4		01	07					75	MOT CU W	07				
1300	74	21			4		01	08					75		08				
1400	75	20			5		09	06					75		05				
1500	74	20			7		20	07					75	77/1412	06				
1600	73	23			7		14	05					75	VIRGA W	05				
1700	71	34			9		25	05					75		04				
1800	73	34			7		00	00					75	74/1735	02				
1900	71	56			6		35	06					75		05				
2000	69	57			6		34	06					75		06				
2100	63	64			5		00	00					75		00				
2200	60	79			2		02	00					75		00				
2300	54	84			0		34	02					75		02				
2400	52	88			0		00	00					75		00				
SUM	—	—	0	0	7.0	—	—	118	—	—	—	—	—	—	112	—	—	—	—
AVG	—	—	—	—	2.9	—	—	4.9	—	—	—	—	—	—	4.7	—	—	—	—

8/001
8/500
8/200
8/200
8/100
8/171
8/031
8/000

Time MST	Max Temp	Min Temp	Precip	Snow-fall	Snow on the Ground
0000-0500	47	43	0	0	0
0500	49	43	0	0	0
1100	72	47	0	0	0
1700	77	71	0	0	0
2300	74	54	0	0	0
2300-2400	54	52	0	0	0

Sunrise 0432 Sunset 1924

TIME (MST)	0455
ATT. THERM.	68.0
OBSRVD. BARO.	25.215
TOTAL CORR.	-0.090
STA. PRESS.	25.125
BAROGRAPH	25.075
BARO. CORR.	+0.020

+ - LAST OCCURRENCE
Ø - LAST OF MORE THAN ONE
E - ESTIMATED

TEMPERATURE (°F)					Precipitation (Inches)			WIND (MPH/10's of Degrees)					SKY COVER					
24-Hour Max	24-Hour Min	Avg Temperature	Heat-ing Degree Days	Cool-ing Degree Days	Total Precip-itation	Total Snow-fall	Snow/ice on Grnd 0500	Prvg Wind Direc	Avg Hourly Wind Speed	Highest 1-Min Speed	Assoc-iated Direc	Time	Peak Gust	Assoc-iated Direc	Time	Avg Sunrise to Sunset	Avg 0000-2400	Weather or Obstructions to Vision
77	43	60	5	0	0	0	0	36	4.9	13	19	163	16	19	163	4	3	

Additional notes, remarks or comments:
TIME 0455 SEA LEVEL PRES. 1016.12 ALTIMETER SETTING 30.09 ANEROID BARO. 25.100 CORR. +.015
0245 Poudre River at Mouth of Canyon 2310 CFS

Highest 2-minute Wind Speed 12 Dirtn 19 Time 1613 (WIND DIRECTION ESTIMATED)
BWW: B 0145 E 2000 AT OTHER TIMES