

Precipitation and evaporation tables for the area. With no pit present at the proposed site the evaporation rate is will be considerably less and will not be as critical.

# GRAND JUNCTION, COLORADO

## NORMALS, MEANS, AND EXTREMES

LATITUDE: 39 Deg. 07 Min. N LONGITUDE: 108 Deg. 32 Min. W ELEVATION: FT. GRND 4824 BARO 4828  
TIME ZONE: MOUNTAIN WBAN: 23066

	(a)	JA N	FE B	MA R	AP R	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YE AR
<b>TEMPERATURE (Deg. F)</b>														
Normals		35.5	45.4	55.6	65.8	76.0	87.7	93.6	90.5	81.1	67.7	51.4	38.7	65.8
-Daily Maximum		14.5	23.5	31.3	38.5	47.9	57.1	63.9	62.2	52.8	41.6	29.4	18.7	40.1
-Daily Minimum		25.0	34.5	43.4	52.2	62.0	72.4	78.8	76.4	67.0	54.7	40.4	28.7	53.0
-Monthly														
Extremes		60	68	81	89	95	105	105	103	100	88	75	64	105
-Record Highest	49	197	198	197	199	195	199	197	199	199	196	197	198	JUN
-Year		1	6	1	2	6	0	6	5	5	3	7	0	1990
-Record Lowest	49	-23	-18	5	11	26	34	44	43	29	18	-2	-17	-23
-Year		196	198	194	197	197	197	199	196	197	199	197	199	JAN
		3	9	8	5	0	6	3	8	8	3	6	0	1963
<b>NORMAL DEGREE DAYS</b>														
Heating (base 65 Deg. F)		1240	8540	6700	3890	13239	13235	0428	0353	55115	33213	7380	11250	55481183
Cooling (base 65 Deg. F)		0	0	0	0	0	0	0	0	0	0	0	0	0
<b>% OF POSSIBLE SUNSHINE</b>	49	61	65	65	70	73	81	79	77	79	74	63	6.1	71
<b>MEAN SKY COVER(tenths)</b>	49	6.1	6.2	6.2	6.0	5.5	4.0	4.2	4.4	3.7	4.3	5.4	5.8	5.1
Sunrise - Sunset														
<b>MEAN NUMBER OF</b>	49	9.2	7.6	8.0	7.9	9.6	14.9	14.0	13.4	16.3	15.0	10.6	9.8	136.4

<b>DAYS:</b>	49	7.0	7.4	8.5	9.4	10.7	9.4	11.4	11.4	8.3	7.8	7.5	7.8	106.5
Sunrise to Sunset	49	14.8	13.2	14.5	12.7	10.7	5.7	5.6	6.2	5.4	8.2	11.8	13.4	122.3
-Clear														
-Partly Cloudy	49	7.0	6.1	7.8	6.7	6.6	4.1	5.1	6.7	5.8	5.5	5.7	6.1	73.1
-Cloudy														
Precipitation	49	2.5	1.2	1.3	0.3	0.*	0.0	0.0	0.0	0..	0.2	0.9	2.0	8.5
.01 inches or more	49	0.1	0.3	0.8	2.1	4.8	4.8	7.6	8.0	5.3	1.5	0.4	0.1	35.6
Snow, Ice Pellets, Hail	49	2.8	1.8	0.6	0.1	0.*	0.0	0.0	0.0	0.0	0.1	0.8	2.0	8.2
1.0 inches or more	32	0.0	0.0	0.0	0.0	1.2	14.0	24.5	19.7	4.3	0.0	0.0	0.0	63.7
Thunderstorms	32	11.3	2.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	6.6	21.0
Heavy Fog														
Visibility	32	30.2	24.8	16.2	6.4	0.4	0.0	0.0	0.0	0.1	3.2	20.9	29.5	131.8
1/4 mile or less	32	3.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.*	1.1	5.3
Temperature Deg. F														
-Maximum														
90 Deg. F and above														
32 Deg. F and below														
-Minimum														
32 Deg. F and below														
0 Deg. F and below														
<b>AV. STATION PRES. (mb)</b>	23	855.1	853.5	849.7	849.7	849.6	850.9	853.2	853.7	853.6	854.2	853.9	855.1	852.7
<b>RELATIVE HUMIDITY (%)</b>														
Hour 04	32	78	73	64	57	54	45	48	51	52	58	70	77	61
Hour 10 (Local Time)	32	65	54	43	34	31	24	29	32	33	38	50	62	41
Hour 16	32	63	48	36	28	26	19	22	24	25	33	47	60	36
Hour 22	32	77	68	56	47	43	33	37	40	41	51	65	74	53
<b>PRECIPITATION (in.)</b>														
Water Equivalent		0.56	0.48	0.90	0.75	0.87	0.50	0.65	0.81	0.82	0.98	0.71	0.61	8.64
-Normal	49	2.46	1.56	2.02	1.95	2.04	2.07	1.9Z	3.48	2.81	3.45	2.00	1.89	3.48
-Maximum		195	194	1.79	196	199	196	198	195	198	197	198	195	AUG
Monthly	49	7	8	0.02	5	5	9	3	7	2	2	3	1	1957
-Year		T	T	197	0.06	T	T	0.01	0.04	T	0.00	T	0.01	0.00
-Minimum	49	196	197	2	195	197	198	199	195	195	195	1.89	197	OCT

Monthly -Year		1 0.71	2 0.69	1.15 199	8 1.33	0 1.13	0 1.57	4 1.42	6 1.21	3 1.35	2 1.24	0.83 198	6 1.16	1952 1.57
-Maximum in 24 hrs	49	198 9	198 9	3 5	196 5	198 3	196 9	197 4	195 3	196 5	195 7	3 12.1	195 1	JUN 1969
-Year	49			14.9										
Snow, Ice Pellets, Hail		33.7 195	18.4 194	194 8	14.3 197	5.0 197	0.0	0.0	T 199	3.1 196	6.1 197	196 4	19.0 198	33.7 JAN
-Maximum		7	8	6.1	5	9	0.0	0.0	3	5	5	8.4	3	1957
Monthly		9.1	9.0	194	8.9	5.0			T	3.1	6.1	195	6.0	9.1
-Year		195	198	8	197	197			199	196	197	4	196	JAN
-Maximum in 24 hrs		7	9		5	9			3	5	5		7	1957
-Year														
<b>WIND</b>														
Mean Speed (mph)	49	5.7	6.7	8.4	9.4	9.6	9.8	9.4	9.1	9.0	7.9	6.8	6.0	8.1
Prevailing Direction		ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ES E	ESE	ESE	ESE	FSE
through 1964		18	24	24	26	20	27	08	25	28	32	31	26	27
Fastest Mile	16	35	38	37	46	46	53	40	37	38	35	39	35	53
-Direction(!)		198	199	199	199	198	198	198	198	199	199	198	199	JUN
-Speed(mph)		2	5	4	5	9	1	8	8	2	0	2	4	1981
-Year														
Peak Gust	12	SW	SW	SW	S	W	S	SW	S	W	W	W	W	S
-Direction(!)	12	41	59	53	78	62	66	64	74	64	54	49	45	78
-Speed(mph)		199	199	199	198	198	199	199	198	199	198	198	199	APR
-Date		3	5	4	5	9	1	3	4	199 2	5	4	4	1985

(a) - Length of Record in Years, although individual months may be missing.

0.\* or \* - The value is between 0.0 and 0.05.

Normals - Based on the 1961 - 1990 record period.

Extremes - Dates are the most recent occurrence.

Wind Dir.- Numerals show tens of degrees clockwise from true north. "00" indicates calm.

Resultant Directions are given to whole degrees.