

Summary of Monthly Normals
1991-2020

Generated on 04/29/2024

Current Location: Elev: 8710 ft. Lat: 40.5906° N Lon: 111.6369° W

Station: ALTA, UT US USC00420072

Temperature (°F)																						
Mean							Cooling Degree Days						Heating Degree Days				Mean Number of Days					
							Base (above)						Base (above)									
Month	Daily Max	Daily Min	Mean	Long Term Max Std Dev	Long Term Min Std Dev	Long Term Avg Std Dev	55	57	60	65	70	72	55	57	60	65	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
01	30.7	15.0	22.9	3.3	2.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0	996.7	1058.7	1151.7	1306.7	0.0	0.0	0.6	18.2	30.9	2.0
02	30.7	15.4	23.0	3.9	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	894.5	950.5	1034.5	1174.5	0.0	0.0	0.5	15.9	27.8	2.0
03	36.8	20.2	28.5	3.7	3.1	3.3	0.0	0.0	0.0	0.0	0.0	0.0	821.5	883.5	976.6	1131.5	0.0	0.0	2.5	10.2	29.0	0.4
04	42.3	24.8	33.6	3.4	3.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	643.5	703.5	793.4	943.5	0.0	0.0	8.2	5.8	24.6	0.0
05	52.6	33.4	43.0	3.7	2.7	3.1	5.6	2.7	0.7	0.0	0.0	0.0	377.6	436.7	527.7	682.0	0.0	0.0	19.9	0.7	14.0	0.0
06	64.4	42.2	53.3	4.2	2.9	3.5	69.6	44.6	18.3	1.4	0.0	0.0	120.7	155.6	219.4	352.4	0.0	0.0	28.0	0.1	3.7	0.0
07	72.9	50.3	61.6	2.7	2.5	2.6	214.7	160.0	88.6	17.1	0.5	0.1	10.2	17.5	39.2	122.6	0.0	0.0	31.0	0.0	0.1	0.0
08	71.3	49.1	60.2	2.2	1.9	2.0	175.0	122.9	59.5	9.2	0.3	0.0	13.8	23.7	53.4	158.0	0.0	0.0	31.0	0.0	0.1	0.0
09	62.2	41.1	51.7	2.7	2.0	2.2	42.5	23.7	6.7	0.2	0.0	0.0	143.1	184.2	257.3	400.7	0.0	0.0	27.8	0.1	4.4	0.0
10	49.5	31.0	40.3	3.7	3.0	3.2	1.6	0.4	0.0	0.0	0.0	0.0	458.9	519.7	612.3	767.2	0.0	0.0	17.0	2.2	17.4	0.1
11	37.4	20.7	29.1	4.6	3.9	4.2	0.0	0.0	0.0	0.0	0.0	0.0	778.5	838.5	928.5	1078.5	0.0	0.0	4.6	10.1	26.7	0.7
12	30.2	14.5	22.3	2.8	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	1012.0	1074.0	1167.0	1322.0	0.0	0.0	0.3	17.8	30.8	2.6
Summary	48.4	29.8	39.1	3.4	2.8	3.0	509	354	174	28	1	0	6271	6846	7761	9440	0.0	0.0	171.4	81.1	209.5	7.8

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

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Precipitation (in.)									
	Totals	Mean Number of Days				Precipitation Probabilities Probability that precipitation will be equal to or less than the indicated amount			
	Means	Daily Precipitation				Monthly Precipitation vs. Probability Levels			
Month	Mean	>= 0.01	>= 0.10	>= 0.50	>= 1.00	0.25	0.50	0.75	
01	6.37	14.1	11.0	4.4	1.6	3.22	6.31	9.67	
02	5.40	13.9	10.6	4.1	1.2	4.02	5.06	6.35	
03	6.17	13.0	9.7	4.0	1.3	4.36	6.19	7.77	
04	4.78	11.9	9.6	3.5	1.4	4.09	4.75	5.76	
05	3.47	10.7	8.1	2.9	0.6	2.15	2.85	4.36	
06	1.96	6.2	4.2	1.7	0.5	0.74	1.50	2.70	
07	1.48	6.9	3.7	1.1	0.3	0.77	1.24	1.93	
08	2.07	8.6	4.8	1.3	0.4	1.28	1.97	2.52	
09	2.58	8.5	4.9	2.0	0.6	1.77	2.59	3.62	
10	3.50	9.6	6.8	2.8	0.8	2.63	3.47	4.52	
11	4.17	11.2	8.6	3.1	0.9	2.88	3.77	5.58	
12	5.13	14.7	10.7	4.0	1.3	3.20	4.75	7.01	
Summary	47.08	129.3	92.7	34.9	10.9	31.11	44.45	61.79	

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Snow (in.)													
	Totals	Mean Number of Days									Snow Probabilities Probability that snow will be equal to or less than the indicated amount		
	Means	Snowfall >= Thresholds					Snow Depth >= Thresholds				Monthly Snow vs. Probability Levels Values derived from the incomplete gamma distribution.		
Month	Snowfall Mean	0.01	1.0	3.0	5.00	10.00	1	3	5	10	.25	.50	.75
01	74.70	13.6	12.7	8.9	6.2	2.8					50.00	65.00	95.20
02	81.20	13.1	12.2	9.2	5.9	2.3					65.50	69.80	103.00
03	71.40	12.2	11.5	7.9	5.5	2.2					47.50	72.70	90.40
04	50.00	10.0	9.7	7.0	4.5	2.1					34.30	43.80	64.00
05	15.90	4.9	4.2	2.7	1.6	0.5					6.20	13.10	26.00
06	4.40	1.3	1.2	0.8	0.4	0.1					0.00	0.00	6.80
07	0.00	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
08	0.00	0.0	0.0	0.0	0.0	0.0					0.00	0.00	0.00
09	2.60	0.8	0.7	0.5	0.3	0.1					0.00	0.00	4.90
10	24.40	5.1	4.7	3.3	2.4	0.9					10.10	19.00	28.50
11	53.90	9.7	9.2	6.4	4.3	1.9					43.10	50.00	64.80
12	79.80	14.0	12.9	8.9	6.0	2.2					65.00	73.90	91.40
Summary	458.3	84.7	79.0	55.6	37.1	15.1	0.0	0.0	0.0	0.0	321.7	407.3	575.0

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Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	0.8	0.8	7.4	31.1	160.4	406.0	669.4	626.2	361.6	117.8	18.4	0.4
45	0.0	0.0	0.7	7.5	77.2	271.6	514.7	471.8	230.5	49.8	4.1	0.0
50	0.0	0.0	0.0	0.9	27.1	157.3	361.6	319.6	119.1	14.0	0.2	0.0
55	0.0	0.0	0.0	0.0	5.6	69.6	214.7	175.0	42.5	1.6	0.0	0.0
60	0.0	0.0	0.0	0.0	0.7	18.3	88.6	59.5	6.7	0.0	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.8	0.8	4.0	16.4	86.7	228.6	389.2	353.8	194.9	61.2	9.5	0.2

Growing Degree Units (Accumulated Monthly)												
40	1	2	9	40	200	606	1276	1902	2264	2382	2400	2400
45	0	0	1	8	85	357	872	1344	1574	1624	1628	1628
50	0	0	0	1	28	185	547	867	986	1000	1000	1000
55	0	0	0	0	6	75	290	465	507	509	509	509
60	0	0	0	0	1	19	108	167	174	174	174	174
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	1	2	6	22	109	337	726	1080	1275	1336	1346	1346

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86.
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