

Summary of Monthly Normals
1991-2020

Current Location: Elev: 1580 ft. Lat: 33.6028° N Lon: 111.7131° W
Station: FOUNTAIN HILLS, AZ US USC00023190

Generated on 05/23/2024

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	63.9	44.5	54.2	3.4	2.1	2.4	56.0	31.5	10.2	0.3	0.0	0.0	80.8	118.3	190.0	335.1	0.0	0.0	30.4	0.0	1.2	0.0
02	67.4	46.2	56.8	4.3	2.6	3.1	98.1	66.3	31.0	4.8	0.1	0.0	47.7	71.9	120.5	234.4	0.0	0.0	27.8	0.0	0.4	0.0
03	73.9	50.7	62.3	3.7	3.0	3.1	243.4	192.5	125.4	45.9	9.9	4.5	17.1	28.1	54.1	129.6	0.0	1.6	31.0	0.0	0.0	0.0
04	82.0	56.4	69.2	3.1	2.0	2.5	428.2	369.8	285.9	158.5	65.4	41.1	2.1	3.8	9.8	32.5	0.9	8.5	30.0	0.0	0.0	0.0
05	91.0	64.5	77.8	3.6	2.7	3.1	705.3	643.3	550.6	398.6	255.6	203.4	0.0	0.0	0.4	3.4	6.9	22.2	31.0	0.0	0.0	0.0
06	100.6	72.8	86.7	2.6	2.2	2.3	950.9	890.9	800.9	651.0	501.4	441.9	0.0	0.0	0.0	0.0	22.7	29.2	30.0	0.0	0.0	0.0
07	103.0	80.3	91.6	1.6	1.9	1.6	1136.0	1074.0	980.9	826.0	671.0	609.0	0.0	0.0	0.0	0.0	27.5	30.9	31.0	0.0	0.0	0.0
08	101.9	79.8	90.9	2.1	1.8	1.9	1111.3	1049.3	956.2	801.3	646.3	584.3	0.0	0.0	0.0	0.0	25.0	30.6	31.0	0.0	0.0	0.0
09	97.1	73.7	85.4	2.3	1.7	1.8	911.9	851.9	761.8	612.0	462.1	402.5	0.0	0.0	0.0	0.1	15.4	27.9	30.0	0.0	0.0	0.0
10	86.6	62.6	74.6	3.5	2.3	2.6	608.1	546.7	455.7	308.8	179.6	134.4	0.5	1.1	3.1	11.3	3.1	15.4	31.0	0.0	0.0	0.0
11	73.7	51.3	62.5	4.6	3.6	3.9	245.3	197.7	134.4	57.5	16.7	8.5	20.2	32.6	59.4	132.5	0.0	0.7	30.0	0.0	0.3	0.0
12	63.0	43.9	53.5	3.0	1.6	2.0	50.6	29.1	9.9	0.8	0.0	0.0	98.4	138.9	212.5	358.6	0.0	0.0	30.7	0.0	1.7	0.0
Summary	83.7	60.6	72.1	3.2	2.3	2.5	6545	5943	5103	3866	2808	2430	267	395	650	1238	101.5	167.0	363.9	0.0	3.6	0.0

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	1.41	3.6	2.6	0.9	0.3	0.22	0.91	2.13
02	1.33	3.9	3.0	0.9	0.3	0.36	0.86	1.86
03	1.28	3.4	2.7	1.2	0.3	0.26	1.02	2.04
04	0.33	1.4	0.9	0.2	0.0	0.00	0.18	0.51
05	0.23	1.2	0.6	0.1	0.0	0.00	0.00	0.15
06	0.14	0.3	0.2	0.0	0.0	0.00	0.00	0.00
07	0.80	2.9	1.7	0.3	0.1	0.24	0.42	1.18
08	1.33	4.4	2.8	0.8	0.2	0.68	0.99	1.36
09	0.81	2.6	1.7	0.7	0.2	0.06	0.60	1.25
10	0.63	2.3	1.4	0.3	0.1	0.03	0.40	0.82
11	0.74	2.2	1.6	0.4	0.1	0.10	0.41	1.12
12	1.15	3.4	2.4	0.6	0.2	0.23	0.77	1.74
Summary	10.18	31.6	21.6	6.4	1.8	2.18	6.56	14.16

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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	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
02	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
03	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
04	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
05	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
06	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
07	0.00	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.00	0.00	0.00
09	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
12	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Summary	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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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	441.6	470.7	691.3	876.0	1170.2	1401.0	1601.1	1576.3	1362.0	1072.6	675.0	417.3
45	290.6	332.5	536.4	726.0	1015.2	1251.0	1446.1	1421.3	1212.0	917.6	525.6	267.1
50	154.4	203.5	384.1	576.4	860.3	1100.9	1291.0	1266.3	1061.9	762.6	379.2	138.1
55	56.0	98.1	243.4	428.2	705.3	950.9	1136.0	1111.3	911.9	608.1	245.3	50.6
60	10.2	31.0	125.4	285.9	550.6	800.9	980.9	956.2	761.8	455.7	134.4	9.9
Growing Degree Units for Corn (Monthly)												
50/86	225.5	254.2	408.0	559.5	759.3	880.6	1023.6	1017.9	891.9	708.9	406.3	210.1

Growing Degree Units (Accumulated Monthly)												
40	442	912	1604	2480	3650	5051	6652	8228	9590	10663	11338	11755
45	291	623	1160	1886	2901	4152	5598	7019	8231	9149	9674	9941
50	154	358	742	1318	2179	3280	4571	5837	6899	7661	8041	8179
55	56	154	398	826	1531	2482	3618	4729	5641	6249	6494	6545
60	10	41	167	452	1003	1804	2785	3741	4503	4959	5093	5103
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	226	480	888	1447	2206	3087	4111	5129	6020	6729	7136	7346

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

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