

Average Temperature (°F)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1941	42.6	48.2	49.6	50.9	67.3	76.9	85.4	--	75.4	57.5	51.0	42.8	--
1942	40.9	39.2	48.8	58.6	64.6	77.4	85.2	80.3	75.7	63.2	51.5	44.0	60.8
1943	40.7	47.2	50.9	61.8	68.2	73.9	83.4	80.0	76.3	64.4	53.1	42.4	61.8
1944	38.0	40.6	49.0	54.8	67.3	73.2	83.4	84.4	78.2	67.6	48.7	43.8	60.8
1945	44.2	45.6	46.0	56.0	67.8	73.6	84.4	81.2	75.4	64.4	49.9	37.9	60.5
1946	40.2	45.4	53.2	64.2	68.3	80.8	85.6	83.2	77.4	56.8	45.8	44.5	62.1
1947	38.0	51.0	54.7	59.2	72.5	75.6	83.8	79.7	78.5	64.0	44.0	37.0	61.5
1948	42.0	40.4	43.2	57.8	68.0	75.2	81.7	80.9	77.6	65.2	44.7	37.6	59.5
1949	27.6	35.2	47.8	61.5	66.5	75.1	85.1	82.5	77.6	60.7	58.4	39.7	59.8
1950	38.1	48.1	52.7	62.7	67.5	77.5	84.2	82.3	74.4	69.7	55.5	49.9	63.6
1951	40.3	46.6	49.7	59.5	66.7	76.9	85.1	79.6	76.8	61.5	48.1	37.2	60.7
1952	38.2	43.2	42.5	59.8	68.8	74.5	82.9	82.6	75.9	70.0	45.4	39.0	60.2
1953	46.5	46.1	53.5	58.2	61.9	77.1	85.8	81.7	79.4	64.1	54.0	39.0	62.3
1954	44.2	51.7	47.9	64.4	71.8	76.8	85.4	80.6	75.3	65.6	54.9	42.5	63.4
1955	35.7	38.9	49.8	57.2	66.8	76.0	82.5	83.3	76.7	67.1	50.0	46.9	60.9
1956	46.0	40.7	53.4	58.4	69.4	80.8	83.0	80.9	79.4	64.9	48.9	43.2	62.4
1957	40.0	51.1	52.0	56.3	62.4	79.0	83.7	80.8	75.7	60.2	43.8	44.1	60.8
1958	41.8	48.5	44.8	54.9	71.2	79.0	82.5	85.4	74.5	66.4	50.9	47.8	62.3
1959	42.9	41.9	51.2	62.5	67.2	81.4	87.3	81.5	73.0	65.1	51.3	43.8	62.5
1960	36.3	40.0	53.5	59.7	68.2	81.3	87.8	84.1	78.8	62.6	51.7	40.2	62.0
1961	44.2	45.5	49.3	58.7	68.4	82.5	85.9	81.0	69.7	61.6	45.8	37.8	60.9
1962	38.3	44.6	45.3	63.5	64.9	76.0	82.4	83.5	76.3	64.7	55.5	44.2	61.6
1963	35.7	50.7	47.8	54.3	71.2	73.5	84.5	79.5	76.4	66.7	51.1	40.3	61.0
1964	36.7	38.4	44.3	54.3	63.7	74.5	84.7	80.5	73.3	68.1	46.6	41.1	61.6
1965	43.6	44.1	46.4	53.8	62.3	71.2	81.4	80.7	68.3	66.8	52.7	42.7	59.5
1966	38.7	39.2	53.7	60.0	70.2	77.6	82.9	83.7	75.6	62.9	52.3	40.7	61.5
1967	39.5	44.7	51.8	50.9	65.5	72.5	84.3	84.6	75.3	66.0	54.1	34.4	60.3
1968	40.7	49.9	52.2	54.4	66.4	77.8	82.1	77.0	72.8	64.3	48.5	37.9	60.3
1969	43.4	41.6	47.4	59.0	70.8	74.6	84.1	86.5	77.6	57.9	51.3	44.4	61.6
1970	41.3	50.5	47.7	53.0	69.5	78.0	84.2	84.0	72.6	59.9	51.7	41.4	61.2

DAILY RANGE OF TEMPERATURE-- MAX. TO MIN.

	W	S	Su	F	Ann.
	%	%	%	%	%
0-4	2	0	0	1	1
5-9	2	*	0	1	1
10-14	9	3	*	3	4
15-19	15	6	1	7	7
20-24	26	14	6	16	15
25-29	28	24	26	32	28
30-34	14	39	48	34	34
35-39	4	11	17	7	10
40-44	1	2	2	1	1
45-49	*	*	0	*	*
Mean	23.4°	28.5°	31.0°	27.4°	27.6°

* Less than 0.5%

AVERAGE DATES OF OCCURRENCE OF VARIOUS TEMPERATURE VALUES

Temperature Equal To or Lower Than:	Average Dates of Occurrence:		Length of Period:
	Last in Spring	First in Fall	
40°	May 11	October 19	161
36°	April 28	October 25	180
32°	April 12	November 2	204
28°	March 23	November 13	235
24°	March 1	November 22	266

TEMPERATURE CHANGE BETWEEN ONE DAY AND THE NEXT (INTERDIURNAL CHANGE) FREQUENCY IN PERCENT

Class Interval in ° F	Maximum Temperature					Minimum Temperature				
	Winter	Spring	Summer	Fall	Annual	Winter	Spring	Summer	Fall	Annual
0-2	40%	37%	55%	47%	45%	35%	35%	57%	50%	45%
3-5	35	33	34	32	34	29	34	30	25	29
6-8	17	17	8	13	14	20	17	8	13	14
9-11	6	6	2	4	5	10	9	4	6	7
12-14	2	3	1	3	2	4	4	1	4	3
15-17	*	1	*	1	1	2	2	1	2	1
18-20	*	1	*	*	*	*	*	*	1	*
20	0	*	0	*	*	*	0	0	*	*
Mean	3.9°	4.5°	2.8°	3.5°	3.7°	4.6°	4.5°	2.9°	3.8°	3.9°

* Less than 0.5%

Total Precipitation (Inches)

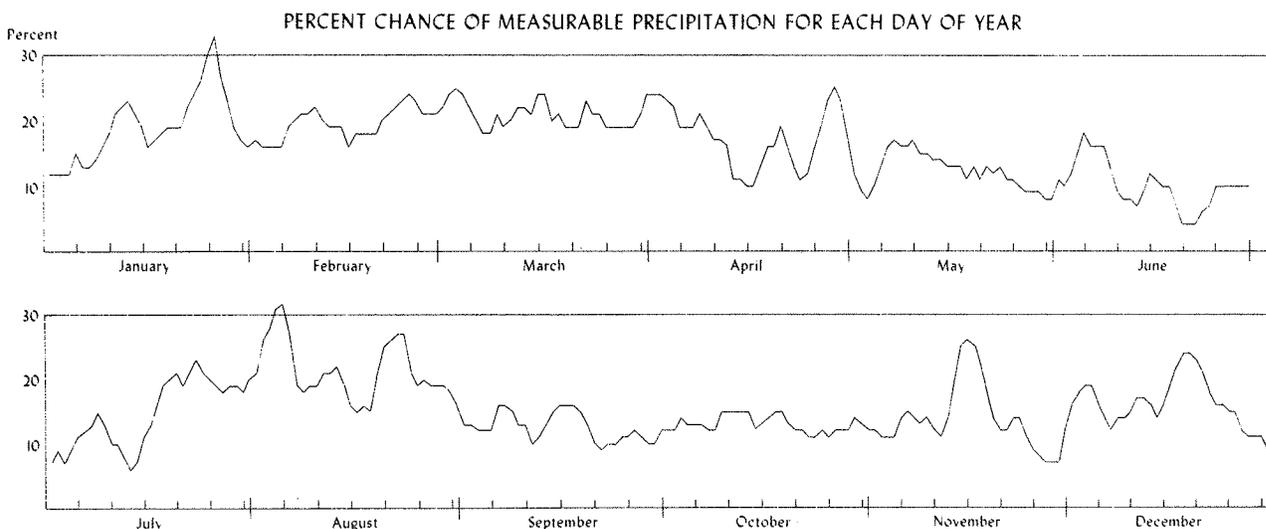
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1941	2.13	2.88	3.07	4.37	0.20	0.72	3.50	0.92	0.33	3.30	0.80	2.74	24.96
1942	0.41	1.04	1.87	1.77	0.42	0.00	0.46	1.30	0.05	1.13	0.69	1.13	10.27
1943	4.03	1.66	3.31	1.13	0.01	0.03	0.28	2.23	1.67	1.44	0.59	1.03	17.41
1944	2.36	2.48	2.39	2.57	2.78	0.35	0.44	0.23	0.18	0.12	2.11	1.28	17.29
1945	0.36	2.25	3.80	0.37	0.24	0.45	0.37	1.88	0.11	2.33	0.57	2.26	14.99
1946	0.88	0.41	1.17	1.22	0.60	0.00	0.37	1.64	0.17	2.81	2.91	3.14	15.32
1947	0.44	0.31	0.09	1.00	1.46	0.56	0.13	2.86	0.05	1.56	0.61	2.50	11.57
1948	0.10	1.60	2.54	0.77	0.00	1.00	0.10	0.97	0.38	1.11	0.01	1.71	10.29
1949	2.64	1.59	1.21	0.73	1.56	3.61	0.13	0.61	0.56	1.17	0.88	3.12	18.35
1950	1.90	1.57	0.73	0.15	0.47	T	1.88	0.76	0.72	0.01	0.65	0.07	8.91
1951	1.04	0.55	0.83	2.52	1.55	0.00	0.24	2.87	0.68	0.92	1.69	3.39	16.28
1952	2.38	0.48	3.34	2.06	0.19	2.24	0.98	1.18	0.92	0.00	1.00	1.99	16.76
1953	1.54	0.11	0.80	1.78	0.08	0.45	0.83	2.19	T	1.16	0.30	0.80	10.49
1954	1.89	1.91	2.74	0.53	0.86	1.26	1.61	0.83	2.11	1.26	0.18	1.25	16.43
1955	2.43	1.27	0.05	0.14	0.11	0.21	0.82	2.38	0.15	0.07	2.15	1.12	10.85
1956	2.18	0.29	0.00	0.37	0.91	0.46	0.82	0.18	0.05	0.14	0.00	0.01	5.41
1957	3.22	2.01	1.13	1.63	2.03	1.57	0.57	1.75	0.00	2.90	1.68	1.83	20.32
1958	0.89	3.56	4.66	1.69	0.92	0.00	1.42	0.50	2.78	0.80	0.68	0.04	17.94
1959	0.42	3.10	0.06	0.32	0.08	0.04	0.92	1.10	0.36	0.91	1.01	2.24	10.56
1960	1.73	1.48	1.69	1.45	0.30	0.33	0.02	0.66	1.01	1.05	2.08	4.21	12.22
1961	1.05	0.00	2.76	0.75	0.62	0.03	1.21	4.83	1.62	1.55	1.57	0.62	15.61
1962	1.63	4.38	1.54	T	0.54	1.01	0.05	0.19	1.77	0.37	0.59	0.65	12.62
1963	1.05	1.92	1.06	1.36	0.06	0.15	0.12	4.83	1.67	1.34	1.55	T	15.11
1964	0.49	T	1.68	1.73	1.12	0.68	0.98	0.38	0.37	0.00	1.01	0.55	
1965	0.44	1.00	2.47	3.77	0.98	0.75	0.37	1.08	1.27	1.34	3.21	3.60	20.28
1966	0.53	1.59	0.19	0.78	0.39	0.11	1.17	0.77	1.14	1.95	1.58	4.27	14.47
1967	1.67	0.16	0.79	1.31	0.76	0.65	1.52	1.99	2.66	0.00	1.15	1.79	14.45
1968	0.90	2.06	1.66	1.11	0.56	0.95	1.03	2.71	0.22	0.19	0.26	1.36	13.01
1969	4.87	4.55	0.75	0.24	0.77	0.24	0.76	1.19	0.45	0.28	1.23	0.16	15.49
1970	0.86	1.39	2.24	0.33	T	0.89	2.18	2.01	0.60	0.12	2.03	1.32	13.97

GREATEST AND LEAST MONTHLY PRECIPITATION TOTALS FOR FULL PERIOD OF RECORD

<u>Month</u>	<u>Greatest</u>	<u>Year</u>	<u>Least</u>	<u>Year</u>
January	4.87 In.	1969	.10 In.	1948
February	4.55	1969	0	1961
March	5.01	1938	0	1956
April	4.37	1941	T	1962
May	2.78	1944	0	1948
June	3.61	1949	0	1958+
July	3.59	1932	.05	1962
August	4.83	1961	.15	1937
September	6.70	1939	0	1957
October	3.30	1941	0	1967+
November	3.22	1931	0	1956+
December	4.27	1966	0	1930+
Annual	24.96	1941	5.41	1956

AVERAGE NUMBER OF RAINY AND DRY PERIODS, ZION NATIONAL PARK
Based On Ten-Year Period 1961-1970

Mean No. Wet Periods	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sept	Oct	Nov	Dec	Annual
1 day or more	2	3	3	3	2	2	5	5	3	2	3	3	3
2 days or more	1	2	2	2	1	1	2	2	2	1	1	1	1
3 days or more	1	1	1	1	1	1	*	1	1	*	*	1	1
Longest Wet Periods in 10 years of record	11	8	6	13	4	6	4	4	5	4	5	7	13
Mean No. Dry Period													
1 day or more	3	3	3	3	2	2	5	5	3	2	3	3	3
2 days or more	2	3	3	3	2	2	4	4	3	2	3	3	3
3 days or more	2	2	3	2	2	2	3	3	2	2	2	3	2
Longest Dry Period in 10 years of record	58	16	39	38	51	49	50	17	27	46	51	30	58



STATION HISTORY

Records in the vicinity of Zion National Park were begun at Rockville on January 1, 1904 by Mr. E. R. Daley. In June 1907 the station was moved four miles NE to Springdale; in June 1912 to Wheeler (now Grafton) and back to Springdale in December 1914.

In January 1924 the park superintendent, Walter Ruesch, took over as observer but still at Springdale and employees of the National Park Service have continued the program ever since. It was not until June 1928 that the station was moved on national park property. From June 1928 through September 1930 the station was located at the public campgrounds 6 miles NNE of Springdale. In November 1931 it was moved 1 1/2 miles north to the chief clerk's residence. In February 1936 it was moved to the checking station 1/2 mile northeast and then in July 1943 to the park headquarters and museum, the present location. A special note of appreciation should be expressed to the National Park Service employees for their fine reports over the years.

*Only the records taken at national park locations have been included in this summary.

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