

LATITUDE 39° 33'  
LONGITUDE 111° 52'  
ELEV. (GROUND) 5300 FEET

CLIMATOLOGICAL SUMMARY

STATION

LEVAN

MEANS AND EXTREMES FOR PERIOD 1926 - 1955

Month	Temperature (°F)							Mean degree days Base 65°	Precipitation Totals (Inches)							Mean number of days					Month			
	Means			Extremes					Mean	Greatest daily	Year	Snow, Sleet				Precip. 10 inch or more	Temperatures							
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year					Mean	Maximum monthly	Year	Greatest daily		Year	90° and above	32° and below	32° and below		0° and below		
					Year		Year																	
(a)	30	30	30	30		30	5	30	30															
Jan.	37.4	13.5	25.5	61	1953	-28	1937	1117	1.13	0.85	1941	14.3	37.5	1930	14.0	1941	30	30	30	30	30	4	Jan.	
Feb.	42.9	19.3	31.1	70	1951	-28	1933	934	1.23	0.65	1936	12.1	42.5	1936	8.0	1938+	4	0	8	30	27	2	Feb.	
Mar.	52.5	26.1	39.3	79	1943	-2	1948	837	1.60	1.05	1930	14.0	50.5	1952	12.0	1945+	5	0	0	3	26	*	Mar.	
Apr.	63.7	33.6	48.7	86	1949+	11	1929	493	1.34	1.17	1953	4.1	35.0	1941	13.0	1937	4	0	0	14	0	0	Apr.	
May	71.3	40.6	56.0	91	1948+	23	1953	288	1.29	1.38	1937	1.6	15.0	1941	10.0	1941	3	*	0	4	0	0	May	
June	80.4	47.8	64.1	105	1954	28	1929	91	0.79	2.19	1943	T	T	1950+	0.1	1950	2	4	0	*	0	0	June	
July	89.4	56.1	72.8	104	1931	41	1955+	*	0.87	1.08	1953	0	0	0	0	0	3	16	0	0	0	0	July	
Aug.	87.6	54.9	71.3	102	1954	35	1932	1	0.98	1.52	1946	0	0	0	0	0	3	12	0	0	0	0	Aug.	
Sept.	80.3	46.4	63.4	99	1950	25	1934	54	0.70	1.19	1939	T	T	1949	T	1949	2	3	0	1	0	0	Sept.	
Oct.	67.7	35.9	51.8	88	1952	13	1935	320	1.24	1.37	1932	1.5	20.0	1932	20.0	1932	3	0	0	9	0	0	Oct.	
Nov.	51.9	24.4	38.2	77	1931	-10	1931	744	1.11	1.65	1946	7.2	22.0	1928	12.0	1928	3	0	1	25	*	0	Nov.	
Dec.	40.8	17.5	29.2	67	1929	-22	1932	1111	1.26	1.05	1951	11.2	36.0	1948	11.5	1932	4	0	6	28	3	0	Dec.	
Year	63.8	34.7	49.3	105	June 1954	-28	Jan. '37 Feb. '33	5990	13.54	2.19	June 1943	66.0	50.5	Mar. 1952	20.0	Oct. 1932	41	35	18	164	9	Year		

(a) Average length of record, years.

T Trace, an amount too small to measure.

+ Also on earlier dates, months or years.

\* Less than one half.

CLIMATE OF LEVAN, UTAH

Levan is located in a broad, nearly level valley in central Utah near the northeast edge of the Sevier Basin. The San Pitch Mountains to the east rise to about 10,000 feet near the north end of the range northeast of Levan. Chicken and Pigeon Creeks drain adjacent areas on the west slopes of these mountains east of Levan and are used to irrigate some 3,000 acres of land in and around the town. Water which passes the town finds its way southward into the swampy area draining into Juab reservoir, and is used to irrigate additional lands below the reservoir. Only a few weak streams emerge from the lesser plateau lands on the west side of the valley, apparently a factor in locating the settlement near the eastern edge of the valley.

The climate of Levan is typical of the middle plateau stations along the eastern border of the Great Basin. March is the wettest month and the relatively wet spring season gives crops and natural vegetation a good start. The driest months are June and September. Mid-summer thundershowers are not as prevalent as in the plateau and mountainous areas to the south, and irrigation water plays an important role in crop production. Dry-land wheat and hay are the major crops in the non-irrigated areas. Hay losses due to heavy rains are seldom serious and damaging floods are practically unknown.

Winters are moderately cold but not severe. The average daily range is approximately 25°, from night-time lows of about 15° to 40° during the day. Nearly ten occurrences of zero or lower can be expected in an average winter season. Approximately half of the annual precipitation falls in the form of snow, giving the area moderately heavy snowfall.

The rather warm summer weather is offset to some degree by low humidity and relatively cool nights. Nearly half of the days in July and August will have a maximum of 90° or higher, but at the same time, with strong nocturnal radiation, minimum temperatures will drop on the average to about 55°.

In an average year seasonal extremes of 10° below zero in winter to 96° in summer can be expected. The growing season, or freeze-free period, is about four and a half months long, extending from near the middle of May to the first of October.

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Following are tabulations of miscellaneous phenomena not included in the Climatological Summary tables:

Temperature Equal To Or Lower Than:	Average Dates of Occurrence		Length of Period
	Last in Spring	First in Fall	
32°	May 17	October 1	137
28°	April 30	October 14	167
24°	April 12	October 30	201
20°	March 31	November 9	223
16°	March 13	November 22	254

Extremes of Temperature and Precipitation which have occurred prior to 1926 and which exceed those appearing in the table include:

Minimum Temperature:	Greatest Daily Precipitation:
3° in April 1920	2.00 inches in January 1898
20° in May 1899	1.34 inches in February 1905
33° in July 1921	1.70 inches in March 1895
33° in August 1908	2.85 inches in April 1895
21° in September 1895	1.70 inches in May 1895
-26° in December 1924	1.40 inches in July 1923
	1.71 inches in August 1907
	2.12 inches in September 1894

Greatest and least monthly precipitation totals for the full period of record are as follows. The first column contains median precipitation values by months for the 30 year period 1926-1955. The median value is such that more precipitation is recorded half of the time, and less the other half.

Month	Median	Greatest	Year	Least	Year
Jan.	1.11	5.01	1916	T	1919
Feb.	1.12	3.51	1936	0.25	1898
Mar.	1.58	5.69	1906	0.12	1900
Apr.	1.20	5.20	1895	0.15	1924
May	1.15	7.18	1895	T	1940+
June	0.53	2.83	1943	0	1919+
July	0.66	3.30	1936	0	1889
Aug.	0.75	3.92	1930	0	1944
Sept.	0.34	3.68	1905	0	1899+
Oct.	1.03	5.00	1946	0	1952+
Nov.	1.12	2.45	1946	0	1904+
Dec.	1.05	4.20	1898	0.10	1930
Annual	12.87	27.77	1895	7.20	1931

Average Temperature (°F)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1926	24.4	31.7	41.1	51.0	58.6	68.0	71.3	71.0	61.0	52.2	42.4	24.4	50.0
1927	28.6	32.8	39.0	47.6	52.8	65.0	72.9	70.5	62.4	53.0	43.2	25.2	49.3
1928	24.0	32.6	43.2	45.3	52.8	63.0	73.0	70.4	63.7	52.8	37.7	22.8	49.3
1929	24.0	23.9	37.3	43.9	51.3	62.6	72.2	70.6	60.3	50.9	35.1	33.4	47.4
1930	20.5	31.8	39.8	53.3	51.8	64.4	72.9	68.8	60.3	46.8	31.2	18.6	46.9
1931	24.4	31.8	39.2	50.6	55.2	68.8	76.7	72.9	63.9	54.6	35.2	22.0	49.9
1932	19.7	30.9	39.0	47.6	55.7	63.0	72.0	72.0	63.2	49.4	41.8	19.8	47.8
1933	24.0	31.4	38.1	44.2	49.8	67.8	74.8	69.3	65.6	55.2	39.4	28.7	48.3
1934	31.4	40.8	48.0	51.2	63.2	65.2	76.8	73.1	61.6	41.8	34.4	34.4	53.2
1935	31.1	36.0	37.5	47.1	52.0	65.0	72.0	71.6	64.6	49.4	35.6	27.8	49.1
1936	27.2	31.2	39.2	50.7	58.8	65.8	70.8	69.6	59.8	50.4	36.4	31.0	49.2
1937	11.2	28.9	40.4	49.5	59.0	62.4	71.3	73.2	61.6	41.5	31.5	33.9	48.7
1938	32.9	31.0	39.5	49.2	54.1	65.6	69.4	68.6	51.0	30.5	29.4	30.6	49.2
1939	26.4	20.6	34.0	51.2	57.9	63.2	72.9	72.9	62.6	49.1	42.1	36.2	49.6
1940	27.8	31.0	42.9	48.8	60.4	67.8	72.6	72.1	62.8	52.2	35.3	31.2	50.7
1941	29.5	35.8	41.2	43.6	56.0	60.6	68.6	67.8	57.0	47.3	39.4	32.8	48.3
1942	24.5	25.4	35.2	43.6	51.6	63.8	71.8	70.4	62.4	51.0	37.6	33.5	48.0
1943	28.8	35.6	39.2	55.2	54.6	60.8	72.8	71.2	65.7	53.3	39.2	31.6	50.7
1944	21.3	27.6	34.0	43.6	56.5	69.6	73.1	70.0	61.4	53.9	37.1	30.0	47.4
1945	30.2	31.6	37.7	44.4	56.8	58.0	71.0	69.8	59.6	40.2	30.8	30.8	48.9
1946	23.4	30.6	43.1	53.2	54.4	66.8	73.6	72.4	62.7	45.4	34.8	34.8	49.8
1947	29.2	33.8	42.7	46.8	59.0	62.4	72.0	70.6	61.3	45.6	33.5	30.8	49.0
1948	29.5	30.9	31.7	49.0	57.4	65.4	73.8	72.8	67.0	52.2	33.2	24.7	49.0
1949	11.0	21.2	39.3	52.5	56.3	63.2	72.1	71.4	65.6	47.9	42.3	26.6	47.6
1950	24.2	32.6	39.8	49.5	53.4	65.3	72.1	70.7	63.7	56.9	45.3	34.3	50.7
1951	28.0	34.7	37.6	50.6	56.2	63.5	76.5	72.8	66.5	50.1	34.3	22.9	49.5
1952	22.9	25.2	32.2	47.5	58.4	64.9	72.3	70.6	66.1	57.6	33.9	28.9	48.6
1953	35.2	33.7	43.8	52.1	60.5	66.2	75.9	71.8	67.6	47.2	42.0	29.8	48.6
1954	28.8	33.4	37.7	45.1	58.9	63.2	76.3	71.3	61.0	52.9	45.0	29.8	50.9
1955				45.3	55.0	62.3	72.1	71.9	63.0	52.9	35.5	34.4	50.9

HISTORY OF LEVAN, UTAH

The weather station at Levan has always been within the city limits. The town is situated near the east side of a broad, level valley sloping gently to the south. With only about 50 feet variation in elevation, none of the moves of the weather instruments appear to have any significant effect on the compatibility of the records.

The earliest reports date back to May 1889 consisting of daily precipitation and current temperatures at 8:00 a.m. and 8:00 p.m. Mr. A. B. Larson served as observer through December 1890, and was followed by Mr. William Brown who lived in the northeastern part of town. A standard shelter with maximum and minimum thermometers was added in April 1895. In December 1914 the station was moved to the Clarence Gardner home, but observations were kept for only four months.

On August 6, 1915, the station was established at the home of Mr. John C. Jensen, about 0.2 miles southwest of the post office. No doubt Mr. Jensen's first observation was as routine as any other new observer's initial reading; but it was 37 years and 3 months, 13,616 observations later, before a daily reading was missed in the station record. After seven days absence, he was back on the job for over two more years. Death intervened just a few months short of the 40-year service mark. This report, to some degree, serves as a written memorial to Mr. Jensen's valuable contribution to the climatology of the State of Utah.

Late in March 1955 the station was moved across the street, with very similar exposure and operating conditions. The present observer, Mr. John D. Shepherd, is doing an excellent job in continuing the weather service from this community.

Total Precipitation (Inches)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1926	0.51	1.37	1.01	1.42	1.74	0.36	1.37	0.66	0.79	0.23	1.32	1.50	11.92
1927	1.15	2.15	1.93	1.48	1.64	0.36	0.96	0.65	0.77	1.70	1.20	0.55	13.24
1928	0.39	0.71	1.07	0.60	1.57	0.47	1.32	0.16	0.27	0.85	2.13	0.44	10.58
1929	2.48	1.21	2.05	2.57	2.71	1.40	1.40	1.19	1.32	0.80	0.05	0.51	13.77
1930	0.49	1.24	1.05	0.86	2.71	1.40	1.40	3.92	2.48	1.23	1.28	0.10	19.77
1931	0.24	0.76	0.79	0.99	0.52	0.30	0.30	0.37	0.15	2.01	2.01	1.07	7.20
1932	1.25	1.21	1.08	0.92	0.62	1.00	0.92	1.35	1.16	1.37	0.40	1.62	12.44
1933	0.79	0.66	1.08	1.67	2.89	0.11	0.60	0.76	0.16	1.30	0.71	0.98	10.58
1934	0.81	1.70	0.18	0.53	0.05	0.38	0.15	0.11	0.17	0.65	2.17	1.04	8.24
1935	0.64	0.65	1.49	1.86	2.82	0.67	0.67	0.67	1.11	0.03	0.48	1.10	10.71
1936	1.43	3.51	1.80	0.71	0.26	2.32	3.30	0.96	0.35	1.54	0.33	2.04	18.22
1937	0.39	1.11	1.46	1.23	1.62	0.04	1.05	0.33	0.93	1.27	0.33	1.85	12.11
1938	0.44	1.63	2.49	1.34	2.02	0.71	0.15	0.28	1.43	1.51	1.51	0.92	14.35
1939	1.07	1.66	0.70	0.86	1.18	0.53	0.31	0.25	2.76	2.24	0.07	0.24	11.31
1940	2.72	2.78	1.76	1.98	1.1	0.22	0.17	0.18	2.76	2.24	1.09	0.92	14.66
1941	1.90	1.65	2.49	2.64	1.63	2.17	1.05	1.36	0.87	3.09	0.78	2.21	22.74
1942	0.39	0.99	1.79	0.97	1.81	2.83	0.52	0.81	0.17	1.10	1.44	0.45	9.63
1943	0.51	0.79	1.17	0.33	1.36	2.83	0.80	0.81	0.31	2.06	1.42	1.03	12.42
1944	2.08	1.16	3.15	3.65	1.92	0.86	0.06	0.00	0.07	0.42	2.04	0.53	16.17
1945	0.43	1.19	2.84	1.38	1.05	2.00	0.86	2.20	0.59	1.06	0.88	1.65	16.75
1946	1.03	0.32	1.01	1.55	2.23	0.62	2.85	0.08	0.08	5.00	2.45	1.70	18.84
1947	1.36	1.13	0.82	1.90	0.70	1.63	0.40	1.59	0.60	2.31	1.73	0.92	15.09
1948	0.19	0.97	2.47	0.76	1.52	0.20	0.74	0.16	0.50	1.60	0.31	1.77	11.11
1949	1.85	0.34	1.42	0.46	2.88	0.83	0.35	0.48	1.41	1.60	0.84	1.11	13.68
1950	2.04	0.67	0.70	0.91	0.83	0.27	1.48	0.37	0.32	0.59	1.00	1.21	10.39
1951	0.91	0.89	0.63	2.30	1.21	0.79	0.05	1.06	0.15	1.45	1.98	1.18	15.60
1952	1.87	1.21	3.66	1.22	0.88	0.27	0.64	1.17	0.21	0.00	0.84	1.05	13.92
1953	1.40	0.68	1.46	2.58	1.78	0.55	2.34	2.27	1.43	0.90	1.16	0.74	16.51
1954	1.18	0.31	2.25	0.76	0.71	0.53	0.93	0.53	1.77	0.78	1.15	0.65	11.55
1955	1.51	2.32	0.23	0.23	1.11	1.40	0.60	0.98	1.06	0.59	1.43	1.04	12.50

# Interpolated

