

APPENDIX A CLIMATOLOGICAL DATA



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BROWNFIELDS PROJECT
STOREY COUNTY, NEVADA

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Virginia City - Weather

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Weather information for the Virginia City area is provided below. Average temperatures, climate details and current forecasts are included.

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Climate

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Avg. High	40	43	48	54	63	73	82	81	72	61	48	41
Avg. Low	23	25	29	34	42	50	58	57	49	40	29	23
Precipitation	2.1	2.1	1.9	.7	.9	.7	.3	.4	.6	.8	1.7	1.7

Forecast

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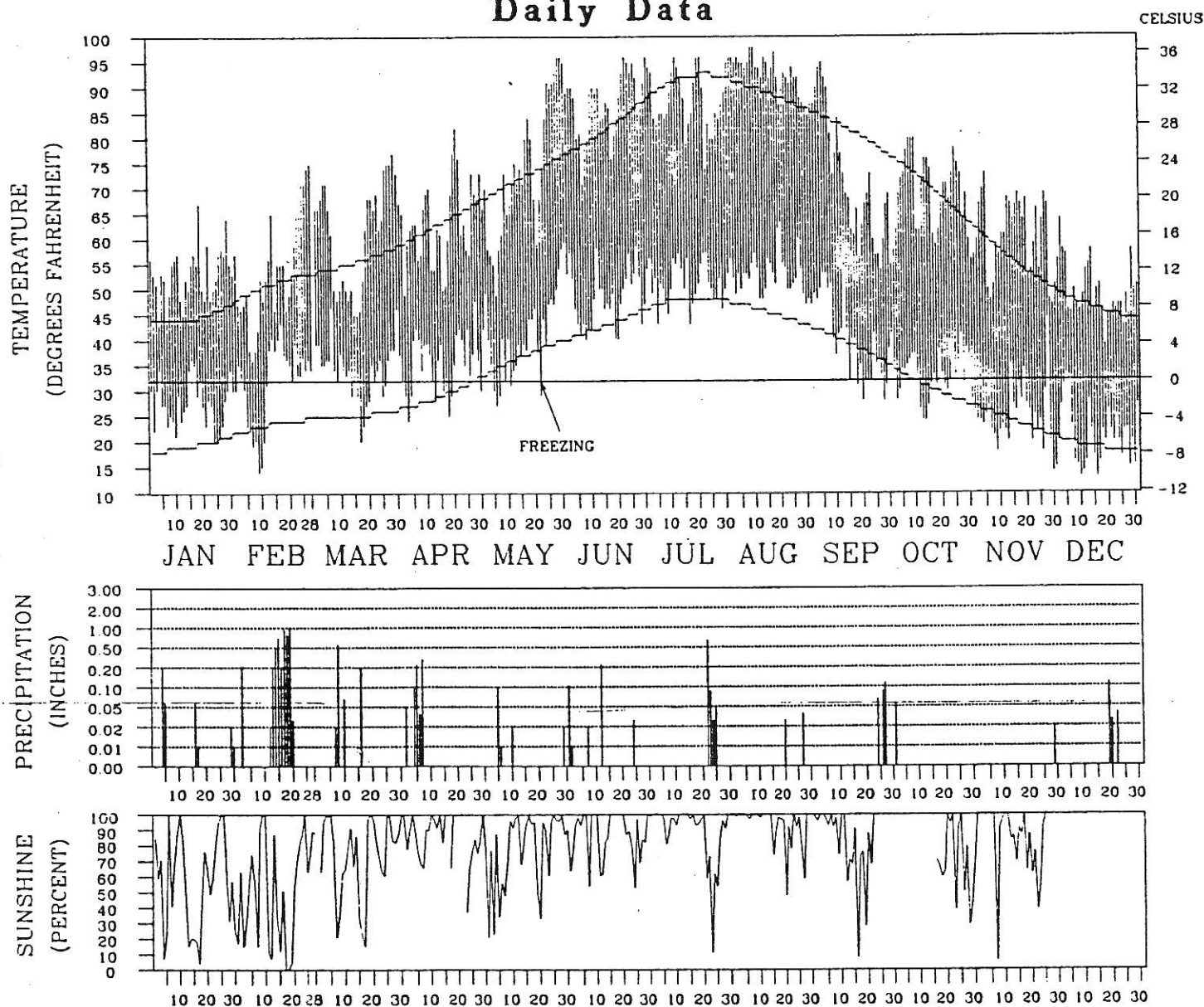
1986 LOCAL CLIMATOLOGICAL DATA

ANNUAL SUMMARY WITH COMPARATIVE DATA

RENO, NEVADA



Daily Data



TEMPERATURE DEPICTS NORMAL MAXIMUM, NORMAL MINIMUM AND ACTUAL DAILY HIGH AND LOW VALUES (FAHRENHEIT)
 PRECIPITATION IS MEASURED IN INCHES. SCALE IS NON-LINEAR
 SUNSHINE IS PERCENT OF THE POSSIBLE SUNSHINE

I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC DATA CENTER, ASHEVILLE, NORTH CAROLINA, 28801

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NATIONAL
ENVIRONMENTAL SATELLITE, DATA
AND INFORMATION SERVICE

NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE NORTH CAROLINA

Kenneth D. Nielsen
 DIRECTOR
 NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 1986

RENO, NEVADA

LATITUDE: 39°30'N LONGITUDE: 119°47'W ELEVATION: FT. GRND 4404 BAPO 4402 TIME ZONE: PACIFIC WBAN: 23185

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F:													
Averages													
-Daily Maximum	53.2	54.2	61.5	63.2	73.9	86.8	87.7	93.0	72.6	63.0	61.0	49.7	63.8
-Daily Minimum	27.3	31.3	33.9	35.1	40.8	48.1	51.0	52.9	40.0	32.8	24.9	20.8	36.6
-Monthly	40.3	42.8	47.7	49.2	57.4	67.5	69.4	73.0	56.3	50.9	43.0	35.3	52.7
-Monthly Dewpt.	27.8	28.2	29.6	27.5	30.7	36.5	41.3	39.5	32.5	29.5	21.2	22.7	30.5
Extremes													
-Highest	67	75	77	82	96	96	96	98	95	90	73	64	99
-Date	13	29	29	21	30	23	21	10	5	10	5	3	AUG 10
-Lowest	20	14	20	24	27	40	43	47	28	24	14	13	13
-Date	25	9	17	3	6	20	17	30	29	14	30	16	DEC 16
DEGREE DAYS BASE 65 °F:													
Heating	757	618	528	469	285	32	5	0	291	430	654	913	4382
Cooling	0	0	0	0	53	112	148	253	39	0	0	0	605
% OF POSSIBLE SUNSHINE													
55	54	75	79	77	88	89	93						
AVG. SKY COVER (tenths)													
Sunrise - Sunset	8.2	7.4	6.8	5.4	5.7	2.7	3.1	2.9	4.2	2.9	3.9	5.6	4.9
Midnight - Midnight	7.4	6.6	6.1	5.3	4.9	2.5	2.4	2.8	3.8	2.5	3.2	5.1	4.4
NUMBER OF DAYS:													
Sunrise to Sunset													
-Clear	3	5	6	7	8	20	20	18	14	19	15	9	144
-Partly Cloudy	5	2	7	14	12	8	4	10	9	7	10	9	97
-Cloudy	23	21	18	9	11	2	7	3	7	5	5	13	124
Precipitation													
.01 inches or more	6	10	4	5	5	4	4	2	3	1	1	3	48
Snow, Ice pellets													
1.0 inches or more	0	0	1	0	0	0	0	0	0	0	0	0	1
Thunderstorms	0	0	1	1	1	5	6	2	0	0	0	0	16
Heavy Fog, visibility													
1/4 mile or less	2	0	1	0	0	0	0	0	0	0	0	0	3
Temperature °F													
-Maximum													
90° and above	0	0	0	0	7	11	13	26	5	0	0	0	62
32° and below	0	0	0	0	0	0	0	0	0	0	0	0	0
-Minimum													
32° and below	26	12	11	11	6	0	0	0	8	13	27	30	144
0° and below	0	0	0	0	0	0	0	0	0	0	0	0	0
AVG. STATION PRESS. (mb)													
869.6	864.5	866.2	865.2	864.4	865.9	867.3	866.9	864.5	868.6	870.6	869.3	866.9	
RELATIVE HUMIDITY (%)													
Hour 04	88	75	73	69	63	65	68	59	68	72	70	83	71
Hour 10 (Local Time)	72	60	51	40	30	23	28	24	36	39	43	64	43
Hour 16	41	46	33	28	23	17	22	17	28	24	26	43	29
Hour 22	73	66	54	48	41	35	41	30	47	49	51	74	51
PRECIPITATION (inches):													
Water Equivalent													
-Total	0.40	4.84	0.88	0.77	0.26	0.31	0.86	0.07	0.28	0.06	0.02	0.19	8.94
-Greatest (24 hrs)	0.26	1.45	0.59	0.36	0.11	0.25	0.78	0.04	0.21	0.06	0.02	0.15	1.45
-Date	4-5	18-19	8	6-7	31	12	22-23	27	26-27	1	29	19-20	FEB 13-19
Snow, Ice pellets													
-Total	0.0	T	1.4	0.4	T	0.0	0.0	0.0	T	0.0	0.2	0.6	2.6
-Greatest (24 hrs)	0.0	T	1.0	0.4	T	0.0	0.0	0.0	T	0.0	0.2	0.6	1.0
-Date		19-20	16	1	6				27		29	19-20	MAR 16
WIND:													
Resultant													
-Direction (°)	136	212	221	286	269	274	272	269	272	041	258	140	26
-Speed (mph)	1.3	2.5	2.4	4.0	3.6	3.2	4.0	2.7	3.1	0.4	0.7	0.5	2.5
Average Speed (mph)	5.4	8.8	7.9	9.8	9.5	8.0	8.7	7.7	8.3	2.0	6.6	4.0	7.6
Fastest Mile													
-Direction (°)	SW	SW	W	SW	NW	NE	SW	SE	18	SE	NW	S	NW
-Speed (mph)	40	46	38	46	49	33	35	33	35	39	40	40	48
-Date	22	18	8	15	31	12	16	27	26	29	5	5	MAY 31
Peak Gust													
-Direction (°)	SE	W	S	SW	NW	NE	SW	SE	W	S	NW	S	S
-Speed (mph)	52	66	66	58	49	51	45	37	54	49	45	30	60
-Date	16	18	7	15	31	12	22	27	24	23	28	30	MAR 30

(!!!) See Reference Notes on Page 6B
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NORMALS, MEANS, AND EXTREMES

RENO, NEVADA

LATITUDE: 39°30'N LONGITUDE: 119°47'W ELEVATION: FT. GRND 4404 BARO 4402 TIME ZONE: PACIFIC WBAN: 23185														
	(a)	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F:														
Normals														
-Daily Maximum		44.8	51.1	55.8	63.3	72.3	81.8	91.3	88.7	81.4	70.0	55.6	46.2	66.9
-Daily Minimum		19.5	23.5	25.4	29.4	36.9	43.0	47.7	45.2	33.9	30.5	23.8	18.9	31.9
-Monthly		32.2	37.3	40.6	46.4	54.6	62.4	69.5	67.0	60.2	50.3	39.7	32.5	49.4
Extremes														
-Record Highest	45	70	75	83	89	96	101	104	105	101	91	77	70	105
-Year		1957	1956	1956	1991	1986	1985	1980	1983	1950	1980	1950	1963	AUG 1983
-Record Lowest	45	-15	-12	-2	13	19	25	33	24	20	8	1	-16	-15
-Year		1949	1962	1945	1956	1954	1954	1976	1962	1965	1971	1958	1972	DEC 1972
NORMAL DEGREE DAYS:														
Heating (base 65°F)		1017	773	756	558	333	124	16	59	171	456	759	1008	6030
Cooling (base 65°F)		0	0	0	0	11	46	156	117	27	0	0	0	357
% OF POSSIBLE SUNSHINE	39	65	63	75	90	82	85	92	93	92	83	71	64	79
MEAN SKY COVER (tenths)														
Sunrise - Sunset	44	6.4	6.4	6.1	5.6	4.9	3.6	2.3	2.3	2.6	4.0	5.8	6.2	4.7
MEAN NUMBER OF DAYS:														
Sunrise to Sunset														
-Clear	44	8.5	6.9	8.2	9.8	12.1	16.8	22.3	22.1	20.7	15.7	9.3	8.2	159.4
-Partly Cloudy	44	7.1	7.5	9.2	10.0	9.8	7.6	6.1	6.3	5.7	7.7	7.8	7.8	92.6
-Cloudy	44	15.4	14.0	13.6	11.1	9.1	5.6	2.6	2.6	3.7	7.7	12.8	15.0	113.2
Precipitation														
.01 inches or more	44	6.1	5.9	6.4	4.1	4.3	3.1	2.4	2.3	2.5	3.0	5.0	6.0	51.0
Snow, ice pellets														
1.0 inches or more	44	2.1	1.5	1.6	0.5	0.3	0.0	0.0	0.0	0.0	0.2	0.8	1.3	8.3
Thunderstorms	44	0.0	0.0	0.1	0.3	1.9	2.6	3.6	2.9	1.2	0.5	0.0	0.0	13.3
Heavy Fog Visibility														
1/4 mile or less	44	2.2	0.8	0.3	0.1	0.1	0.0	0.0	0.1	0.1	0.2	0.7	2.8	7.4
Temperature °F														
-Maximum														
30° and above	23	0.0	0.0	0.0	0.0	1.5	7.2	20.8	16.9	4.8	0.1	0.0	0.0	51.3
32° and below	23	3.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	3.7	7.8
-Minimum														
32° and below	23	27.8	24.7	24.8	19.2	6.7	0.7	0.0	0.2	4.7	18.9	24.1	28.0	179.6
0° and below	23	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0
AVG. STATION PRESS. (mb)	14	858.1	856.5	864.0	864.8	864.7	865.5	866.8	866.6	866.4	866.0	867.3	868.7	866.5
RELATIVE HUMIDITY (%)														
Hour 04	23	79	74	70	67	66	66	65	67	70	73	75	77	71
Hour 10	23	70	59	49	39	33	31	28	30	35	42	58	67	45
Hour 16 (Local Time)	23	51	40	34	28	25	22	19	20	23	28	42	52	32
Hour 22	23	73	63	56	49	44	40	36	39	47	56	66	72	53
PRECIPITATION (inches):														
Water Equivalent														
-Normal		1.24	0.95	0.74	0.46	0.74	0.34	0.30	0.27	0.30	0.34	0.60	1.21	7.49
-Maximum Monthly	45	4.13	4.84	2.02	2.04	2.89	1.31	1.06	1.65	2.31	2.14	3.08	5.35	5.25
-Year		1969	1985	1952	1958	1963	1965	1971	1965	1982	1945	1983	1955	DEC 1955
-Minimum Monthly	45	T	T	0.03	T	T	0.00	0.00	0.00	0.00	T	0.00	0.01	0.00
-Year		1966	1967	1972	1985	1985	1959	1951	1957	1974	1966	1959	1976	SEP 1974
-Maximum in 24 hrs	45	2.37	1.55	1.21	1.64	1.29	0.79	0.80	0.97	0.91	1.55	1.33	2.16	2.37
-Year		1943	1962	1943	1958	1963	1969	1949	1965	1982	1962	1981	1955	JAN 1943
Snow, ice pellets														
-Maximum Monthly	45	20.0	23.5	29.0	7.5	14.1	0.2			1.5	5.1	16.5	25.6	29.0
-Year		1956	1969	1952	1958	1964	1970			1982	1971	1985	1971	MAR 1952
-Maximum in 24 hrs	45	12.0	13.9	16.9	7.3	9.0	0.2			1.5	3.7	15.4	14.9	16.9
-Year		1956	1959	1952	1958	1962	1970			1982	1971	1985	1971	MAR 1952
WIND:														
Mean Speed (mph)	44	5.6	6.2	7.7	8.2	7.9	7.5	6.9	6.4	5.7	5.3	5.5	5.2	6.5
Prevailing Direction														
through 1963		S	S	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	S	SW	WNW
Fastest Mile														
-Direction (!!!)	26	SW	SW	SW	SW	NW	N	SW	W	W	SW	S	SW	SW
-Speed (MPH)	26	80	66	80	48	48	50	44	47	43	74	63	62	80
-Year		1958	1975	1966	1982	1936	1985	1962	1984	1970	1985	1983	1968	JAN 1968
Peak Gust														
-Direction (!!!)	3	SE	W	SE	SW	NW	N	W	W	W	SW	SW	S	SW
-Speed (mph)	3	52	66	70	58	49	58	51	55	54	81	62	56	81
-Date		1986	1986	1984	1986	1986	1985	1985	1984	1986	1985	1984	1986	OCT 1986

(!!!) See Reference Notes on Page 6B.
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PRECIPITATION (inches)

RENO, NEVADA

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	ANNUAL
1957	1.20	0.80	0.26	0.21	0.33	0.06	0.03	0.00	0.51	1.27	0.58	1.52	7.37
1958	0.78	1.70	1.75	2.04	0.25	0.45	0.22	0.56	0.49	T	0.38	0.24	8.87
*1959	0.64	2.80	0.07	T	1.84	0.00	0.05	0.09	0.04	T	0.00	0.45	5.98
1960	1.21	1.19	0.59	0.05	T	T	0.87	T	T	0.18	1.45	0.24	5.78
1961	0.80	0.30	0.40	0.27	0.91	0.56	0.30	0.47	0.39	0.15	0.64	0.18	5.37
1962	0.35	3.69	0.84	T	1.40	0.04	0.38	0.08	0.10	1.55	0.02	0.63	9.05
1963	2.51	1.09	0.41	0.82	2.89	1.10	T	0.17	0.18	0.24	1.44	0.08	10.93
1964	0.68	0.01	0.72	0.53	1.79	0.29	0.13	0.02	0.00	0.04	0.53	2.89	7.73
1965	1.54	0.01	0.98	0.27	0.18	1.31	0.35	1.65	0.50	0.02	1.62	1.19	9.72
1966	T	0.20	0.04	0.03	0.33	0.03	T	0.02	0.10	T	1.07	1.45	3.27
1967	2.11	T	1.93	0.35	0.47	0.59	0.57	1.22	0.32	0.04	0.22	0.55	9.47
1968	1.11	0.92	0.84	0.02	0.30	0.16	0.05	0.13	0.15	0.01	0.73	1.03	5.45
1969	4.13	1.74	0.07	0.10	0.20	1.29	0.17	T	0.01	0.40	0.04	2.07	10.22
1970	1.73	0.32	0.19	0.60	T	0.88	0.05	0.02	0.01	0.03	1.47	1.65	6.95
1971	0.75	0.33	1.54	0.59	2.38	0.09	1.05	0.09	0.10	0.44	0.24	2.97	10.58
1972	0.37	0.14	0.03	0.14	1.02	0.18	0.01	0.14	0.30	1.30	1.00	0.89	5.52
1973	1.54	1.56	0.73	0.13	0.75	0.07	0.27	0.48	0.01	0.56	1.74	1.27	9.21
1974	1.50	0.34	1.16	0.23	0.01	T	0.33	0.19	0.00	0.69	0.27	0.56	5.33
1975	0.32	1.74	1.59	0.52	0.21	0.21	0.03	1.03	0.92	0.15	0.12	0.01	6.05
1976	0.15	1.20	0.36	0.20	0.10	T	0.36	0.62	1.10	0.28	0.07	0.01	5.06
1977	0.67	0.71	0.19	T	1.24	1.03	0.07	0.01	0.01	0.14	0.23	2.54	6.84
1978	1.66	0.98	1.49	0.20	0.31	0.07	0.19	0.15	0.68	0.08	1.30	0.82	7.93
1979	0.65	0.32	0.52	0.41	0.16	T	0.38	0.38	T	0.31	0.17	2.02	6.03
1980	2.77	1.90	0.75	0.51	0.78	0.12	0.54	0.32	0.48	0.14	0.28	1.60	9.20
1981	0.85	0.21	0.58	0.21	0.57	T	0.01	0.36	0.07	0.64	2.13	1.05	6.68
1982	1.20	0.41	1.14	0.34	0.10	1.07	0.04	0.09	2.31	1.65	1.71	1.04	11.10
1983	1.72	1.58	1.31	1.35	0.21	0.53	T	0.78	0.84	0.36	3.08	1.47	13.23
1984	0.36	0.22	0.20	0.24	0.06	0.34	0.45	0.02	0.04	0.60	1.68	0.07	4.28
1985	0.24	0.68	1.07	T	T	0.12	T	0.01	0.63	0.46	1.23	0.55	4.99
1986	0.40	4.84	0.88	0.77	0.26	0.31	0.86	0.07	0.28	0.06	0.02	0.19	8.94
Record Mean	1.33	1.08	0.78	0.46	0.62	0.36	0.28	0.26	0.31	0.42	0.69	1.05	7.65

See Reference Notes on Page 6B.
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AVERAGE TEMPERATURE (deg. F)

RENO, NEVADA

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	ANNUAL
1957	25.8	38.9	42.4	45.7	53.5	64.9	68.6	65.0	61.5	46.8	36.5	35.2	48.7
1958	34.3	41.2	37.0	45.1	59.2	61.4	68.4	72.0	60.2	52.6	38.7	37.7	50.7
*1959	36.3	33.9	42.6	50.3	51.3	65.3	72.9	66.8	57.4	51.9	33.6	29.4	49.8
1960	27.5	36.1	44.3	48.2	51.7	65.2	70.4	65.5	61.0	48.9	40.1	32.1	49.3
1961	33.4	40.7	41.6	47.0	53.4	66.6	69.4	69.1	55.9	49.7	36.5	31.7	49.6
1962	26.7	34.1	39.6	50.1	51.5	61.7	67.0	61.5	60.8	51.2	40.8	33.9	48.3
*1963	28.2	44.4	40.5	41.8	57.2	59.0	65.1	64.7	63.3	52.4	40.2	35.1	49.3
1964	32.5	34.2	37.7	45.3	51.9	61.3	70.7	66.9	58.1	55.3	38.0	36.0	49.0
1965	33.6	40.1	43.2	49.6	54.0	59.2	66.1	65.8	54.9	52.4	41.6	29.9	49.2
1966	33.4	34.8	43.4	50.2	60.7	63.7	65.7	67.5	58.7	49.6	41.0	34.0	50.2
1967	37.0	40.3	40.6	40.3	54.9	59.9	69.6	71.0	62.6	51.0	42.7	28.3	49.8
1968	31.7	42.4	42.4	44.6	52.8	62.9	73.0	64.5	59.6	50.6	40.8	31.4	49.7
1969	37.0	34.2	40.7	48.4	58.1	62.0	70.8	68.8	63.4	45.3	39.0	36.7	50.4
1970	37.3	42.0	41.4	44.1	58.0	65.1	73.0	71.5	57.2	48.0	45.4	29.2	51.0
1971	33.0	36.9	40.9	45.9	50.9	59.7	71.5	70.7	56.5	45.8	37.5	26.6	48.0
1972	25.5	40.2	47.1	46.2	56.9	65.1	70.7	67.6	56.6	48.5	38.0	25.1	49.0
1973	28.4	37.7	37.9	43.8	58.8	64.3	70.1	67.4	58.5	49.2	42.8	38.3	49.8
1974	31.6	36.2	42.8	46.5	54.9	63.9	67.0	65.7	61.4	49.3	40.4	31.1	49.2
1975	32.3	34.1	38.4	39.9	54.2	62.4	70.4	64.8	64.2	49.5	35.9	33.8	48.3
1976	32.1	35.0	38.3	44.5	57.5	61.1	69.0	62.1	62.0	51.3	42.4	30.5	48.8
1977	32.3	40.0	38.1	51.3	48.5	68.6	69.5	69.8	60.7	52.2	41.9	38.3	51.0
1978	37.1	38.4	47.2	45.3	52.3	61.6	69.5	67.2	57.6	53.5	37.2	24.9	49.3
1979	28.9	36.9	41.9	46.9	57.1	60.8	69.9	67.7	64.2	54.0	38.0	35.5	50.4
1980	36.9	40.6	38.5	49.8	54.4	60.8	71.3	67.5	63.0	50.9	41.8	36.2	51.0
1981	36.1	38.8	41.7	50.7	57.5	68.3	67.9	69.4	64.7	46.9	42.5	39.0	52.0
1982	28.5	40.3	40.2	41.0	55.0	61.8	70.4	68.8	57.0	46.9	36.2	32.3	48.5
1983	34.2	38.6	40.5	43.8	53.3	62.5	67.2	69.9	62.9	54.1	41.5	38.8	50.6
1984	31.9	37.2	44.3	45.8	53.4	61.7	73.4	69.8	63.1	48.2	39.6	30.4	50.3
1-35	30.6	37.0	33.7	45.1	53.3	61.9	73.4	69.8	63.1	48.2	39.6	30.4	50.3
1986	40.3	42.8	47.7	49.2	57.4	67.5	69.4	73.0	66.3	60.9	49.0	36.4	52.1
Record Mean	32.0	36.8	41.3	47.4	54.9	62.7	70.2	68.4	60.7	50.9	40.8	33.4	50.0
Max	43.7	49.2	54.8	62.4	70.5	79.9	89.4	87.7	79.1	67.9	53.2	45.4	65.4
Min	20.3	24.4	27.8	32.4	39.3	45.5	51.0	49.2	42.2	33.8	26.4	21.4	34.5

See Reference Notes on Page 6B.
Page 4B

HEATING DEGREE DAYS Base 65 deg. F

RENO, NEVADA

SEASON	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1957-58	1	45	116	556	845	916	943	658	861	589	176	139	5845
1958-59	20	0	155	377	782	839	875	867	686	435	415	58	5509
1959-60	6	44	244	404	757	1096	1156	832	638	497	405	42	5612
1960-61	5	78	127	493	742	1015	970	674	721	531	352	53	5753
1961-62	9	7	267	470	848	1024	1178	858	790	440	409	118	6408
1962-63	7	110	127	422	718	957	1134	572	750	691	237	182	5907
1963-64	38	62	82	389	738	921	1002	887	840	585	400	135	6079
1964-65	6	28	203	296	802	892	968	695	667	454	336	174	5521
1965-66	34	31	298	383	694	1079	974	838	664	439	135	105	5674
1966-67	45	45	184	473	715	951	859	685	750	737	317	177	5938
1967-68	1	3	87	429	663	1132	1025	650	634	606	369	113	5772
1968-69	0	91	180	441	721	1033	861	856	745	494	208	104	5734
1969-70	5	12	79	605	772	871	831	538	724	522	216	90	5485
1970-71	0	0	234	519	585	1102	985	780	739	557	429	164	6104
1971-72	9	13	264	588	819	1184	1216	709	548	558	259	54	6221
1972-73	8	25	249	503	803	1229	1127	760	834	630	199	87	6455
1973-74	7	30	193	483	659	819	1027	900	690	545	310	73	5632
1974-75	5	42	120	478	733	1046	1006	858	818	746	332	113	6344
1975-76	26	33	51	477	868	961	1012	863	821	610	224	138	6116
1976-77	15	116	116	419	670	1062	1002	695	828	405	509	30	5867
1977-78	10	12	154	392	687	821	858	739	544	582	387	113	5299
1978-79	21	53	234	347	826	1236	1113	781	709	536	247	91	6203
1979-80	9	20	36	339	805	908	865	701	813	451	319	152	5446
1980-81	13	35	79	430	688	885	890	727	715	424	228	48	5162
1981-82	12	7	83	554	669	800	1123	687	760	623	307	133	5758
1982-83	15	11	278	556	855	1006	947	732	752	630	371	77	6230
1983-84	40	8	104	332	708	805	1019	801	637	570	193	133	5340
1984-85	0	8	111	575	753	1056	1060	781	637	559	266	45	5824
1985-86	5	12	230	446	896	1039	757	618	528	469	285	32	5317
1986-87	5	0	291	430	654	913							

See Reference Notes on Page 6B.
Page 5A

COOLING DEGREE DAYS Base 65 deg. F

RENO, NEVADA

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL
1969	0	0	0	0	2	19	193	136	35	0	0	0	385
1970	0	0	0	0	6	100	256	210	7	0	0	0	579
1971	0	0	0	0	0	11	217	197	15	0	0	0	440
1972	0	0	0	0	12	65	191	113	4	0	0	0	385
1973	0	0	0	0	12	75	173	117	3	0	0	0	381
1974	0	0	0	0	22	47	118	71	20	0	0	0	238
1975	0	0	0	0	4	43	199	66	33	0	0	0	248
1976	0	0	0	0	0	25	144	34	33	0	0	0	236
1977	0	0	0	0	6	141	154	167	32	0	0	0	390
1978	0	0	0	0	16	16	166	139	19	0	0	0	310
1979	0	0	0	0	9	63	169	122	38	0	0	0	344
1980	0	0	0	0	32	218	218	119	33	0	0	0	440
1981	0	0	0	2	4	153	112	151	80	0	0	0	399
1982	0	0	0	0	2	45	188	135	47	0	0	0	411
1983	0	0	0	0	1	49	113	105	30	0	0	0	397
1984	0	0	0	0	16	14	140	102	31	0	0	0	393
1985	0	0	0	0	3	15	173	106	36	0	0	0	399
1986	0	0	0	0	5	11	148	103	39	0	0	0	396

See Reference Notes on Page 6B.
Page 5B

SNOWFALL (inches)

RENO, NEVADA

EASON	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1957-58	0.0	0.0	0.0	2.0	3.1	3.1	1.0	4.6	10.0	7.5	0.0	0.0	31.3
1958-59	0.0	0.0	0.0	0.0	4.1	T	0.5	22.1	0.1	0.0	0.1	0.0	26.9
1959-60	0.0	0.0	T	0.0	0.0	1.8	15.4	3.0	T	0.6	T	0.0	20.8
1960-61	0.0	0.0	0.0	0.4	2.0	T	2.6	T	1.1	0.6	0.0	0.0	6.7
1961-62	0.0	0.0	0.0	T	8.7	0.7	3.5	13.3	12.3	T	3.0	0.0	47.5
1962-63	0.0	0.0	0.0	T	T	T	1.7	0.0	3.4	5.9	T	T	11.0
1963-64	0.0	0.0	0.0	0.0	3.1	1.0	4.7	1.0	9.2	6.6	14.1	0.0	39.7
1964-65	0.0	0.0	0.0	0.0	5.2	8.0	5.2	T	4.6	T	T	0.0	23.0
1965-66	0.0	0.0	0.0	T	2.2	9.8	T	1.4	0.4	T	0.0	0.0	13.8
1966-67	0.0	0.0	0.0	0.0	T	5.8	12.4	T	15.6	6.8	1.5	0.0	42.1
1967-68	0.0	0.0	0.0	0.0	T	1.9	12.4	2.2	3.5	T	T	0.0	20.0
1968-69	0.0	0.0	0.0	0.0	1.3	9.1	10.7	23.5	1.9	0.3	T	0.0	46.8
1969-70	0.0	0.0	0.0	0.0	T	2.3	T	0.6	1.3	2.3	T	0.2	7.7
1970-71	0.0	0.0	0.0	0.2	T	15.4	11.4	4.9	7.0	3.3	5.3	0.0	49.5
1971-72	0.0	0.0	T	5.1	0.2	25.6	5.7	0.7	0.2	1.0	0.0	0.0	39.5
1972-73	0.0	0.0	0.0	T	T	8.8	11.9	8.2	6.5	0.7	T	0.0	36.1
1973-74	0.0	0.0	0.0	0.0	2.5	6.8	8.7	1.0	5.5	2.6	T	0.0	29.1
1974-75	0.0	0.0	0.0	0.0	0.0	4.0	2.7	19.0	12.1	4.9	2.2	T	43.8
1975-76	0.0	0.0	0.0	T	1.7	T	0.3	15.8	7.8	2.7	T	0.0	29.3
1976-77	0.0	0.0	0.0	0.0	0.0	0.5	0.7	1.4	1.2	T	2.9	0.0	6.7
1977-78	0.0	0.0	0.0	0.0	0.5	5.6	0.3	5.1	0.2	0.1	0.4	0.0	12.2
1978-79	0.0	0.0	T	0.8	9.7	9.1	6.4	3.9	0.2	1.1	0.3	0.0	31.5
1979-80	0.0	0.0	0.0	0.3	T	2.1	4.7	6.1	7.6	1.2	T	0.0	22.0
1980-81	0.0	0.0	0.0	T	T	T	3.9	T	2.2	T	0.0	0.0	6.1
1981-82	0.0	0.0	0.0	1.1	2.0	0.1	12.5	2.3	6.7	0.8	0.5	0.0	26.0
1982-83	0.0	0.0	1.5	0.0	8.6	1.8	1.5	1.0	3.0	2.9	3.5	0.0	23.8
1983-84	0.0	0.0	0.0	0.0	5.7	0.5	6.7	1.5	0.1	T	0.0	0.0	14.5
1984-85	0.0	0.0	0.0	3.4	3.0	1.3	4.3	0.8	7.0	T	T	0.0	19.8
1985-86	0.0	0.0	T	1.2	16.5	1.4	0.0	T	1.4	0.4	T	0.0	20.9
1986-87	0.0	0.0	T	0.0	0.2	0.6							
Record													
Mean	0.0	0.0	T	0.4	2.3	4.3	5.9	4.7	4.9	1.4	1.0	T	24.9

See Reference Notes on Page 6B.
Page 6A

REFERENCE NOTES

RENO, NEVADA

GENERAL

T - TRACE AMOUNT.

BLANK ENTRIES DENOTE MISSING/UNREPORTED DATA.

INDICATES A STATION OR INSTRUMENT RELOCATION.

SEE STATION LOCATION TABLE ON PAGE 8.

SPECIFIC

PAGE 2

PM - INCLUDES LAST DAY OF PREVIOUS MONTH

PAGE 3

1st - LENGTH OF RECORD IN YEARS, ALTHOUGH INDIVIDUAL MONTHS MAY BE MISSING.

* LESS THAN .05

NORMALS - BASED ON THE 1951-1980 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.

EXCEPTIONS

PAGE 3

1. PERCENT OF POSSIBLE SUNSHINE IS THROUGH 1979 AND 1984 TO DATE.

PAGES 44, 48, 6A

RECORD MEANS ARE THROUGH THE CURRENT YEAR,

BEGINNING IN 1989 FOR TEMPERATURES

1979 FOR PRECIPITATION

1943 FOR SNOWFALL

FEB 1986
RENO, NEVADA
NAT'L WEA SER FCST OFC
601 S. ROCK BLVD.

ISSN 0198-3334

LOCAL CLIMATOLOGICAL DATA Monthly Summary

CANNON INTERNATIONAL AP



LATITUDE 39°30' LONGITUDE 119°47' ELEVATION (GROUND) 4404 FEET TIME ZONE PACIFIC 23185

DATE	TEMPERATURE °F					DEGREE DAYS BASE 65°F		WEATHER TYPES 1 FOG 2 HEAVY FOG 3 THUNDERSTORM 4 ICE PELLETS 5 HAIL 6 GLAZE 7 DUSTSTORM 8 SMOKE, HAZE 9 BLOWING SNOW	SNOW ICE PELLETS OR ICE ON GROUND AT 0400 INCHES	PRECIPITATION		AVERAGE STATION PRESSURE IN INCHES ELEV. 4400 FEET ABOVE M.S.L.	WIND (M.P.H.)					SUNSHINE		SKY COVER (TENTHS)		DATE
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	HEATING SEASON BEGINS WITH JULI	COOLING SEASON BEGINS WITH JANU			WATER EQUIVALENT (INCHES)	SNOW, ICE PELLETS (INCHES)		RESULTANT DIR.	RESULTANT SPEED	AVERAGE SPEED	FASTEST MILE	DIRECTION	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT	
01	57	30	44	9	25	7A	0		0	0.00	0.0	25.550	24	2.3	7.0	15	S	385	63	8	6	01
02	47	35	41	6	27	24	0		0	0.22	T	25.520	18	8.3	14.3	44	SE	93	15	9	6	02
03	46	32	39	4	26	26	0		0	T	T	25.530	31	2.4	10.2	33	SE	185	30	10	7	03
04	47	30	39	3	25	26	0		0	0.00	0.0	25.660	29	0.1	4.0	7	W	338	55	9	8	04
05	49	23	36	0	23	29	0		0	T	T	25.560	32	6.4	11.1	25	NW	461	74	8	7	05
06	38	22	30	-6	17	35	0		0	0.00	0.0	25.595	36	6.2	8.3	14	NW	351	56	7	6	06
07	36	19	28	-8	16	37	0		0	T	T	25.510	07	2.7	6.0	12	NE	93	15	9	7	07
08	38	20	29	-7	11	36	0		0	0.00	0.0	25.510	05	5.5	7.0	15	N	572	91	2	3	08
09	42	14*	28*	-9	11	37	0		0	0.00	0.0	25.570	11	1.2	3.6	6	NE	630	100	0	0	09
10	52	15	34	-3	13	31	0		0	0.00	0.0	25.480	29	7.9	11.2	31	W	632	100	2	1	10
11	48	20	34	-3	14	31	0		0	0.00	0.0	25.460	36	1.2	5.5	13	W	71	11	10	8	11
12	52	31	42	5	28	23	0		0	0.02	T	25.310	19	7.8	11.7	44	S	44	7	10	10	12
13	56	38	47	10	28	18	0		0	0.22	0.0	25.400	23	5.3	10.0	41	W	555	87	5	8	13
14	65	40	53	15	38	12	0		0	0.53	0.0	25.240	19	12.5	16.6	41	S	221	34	10	10	14
15	46	38	42	4	36	23	0		0	0.75	0.0	25.160	18	13.3	15.3	35	S	75	12	10	10	15
16	55	40	48	10	34	17	0		0	0.22	0.0	25.335	18	11.4	15.1	27	S	332	51	9	8	16
17	55	43	49	11	40	16	0	1	0	0.96	0.0	25.310	19	11.3	14.9	32	W	0	0	10	10	17
18	55	37	46	8	39	19	0		0	0.83	0.0	25.340	25	8.6	12.7	46	SW	0	0	10	10	18
19	46	36	41	3	35	24	0	1	0	1.06	T	25.300	19	6.2	11.5	28	SW	30	5	10	10	19
20	49	35	42	4	29	23	0		0	0.03	T	25.550	28	6.0	9.4	26	SE	342	52	9	7	20
21	53	32	43	5	28	22	0		0	0.00	0.0	25.740	11	1.1	5.6	10	W	455	69	8	7	21
22	59	39	49	10	30	16	0		0	0.00	0.0	25.770	29	4.2	9.0	20	NW	530	80	8	7	22
23	65	33	49	10	36	16	0		0	0.00	0.0	25.810	03	0.7	5.7	8	N	575	87	9	6	23
24	71	33	52	13	38	13	0		0	0.00	0.0	25.790	22	1.6	3.8	14	NW	666	100	0	0	24
25	71	36	54	15	36	11	0		0	0.00	0.0	25.820	03	0.8	5.0	10	N	420	63	9	7	25
26	71	34	53	14	36	12	0		0	0.00	0.0	25.760	18	1.9	3.7	8	S	491	73	8	7	26
27	74	36	55	16	37	10	0		0	0.00	0.0	25.700	27	0.5	4.3	11	NE	600	89	8	8	27
28	75*	34	55*	16	34	10	0		0	0.00	0.0	25.610	24	1.5	4.0	15	NW	595	88	1	2	28
SUM	SUM					TOTAL	TOTAL			TOTAL	TOTAL		FOR THE MONTH:					TOTAL	%	SUM	SUM	
1518	875					618	0	NUMBER OF DAYS		4.84	T	25.530	21	2.5	8.8	46	SW	9742	FOR	208	186	
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.			PRECIPITATION		DEP.								DATE: 18	POSSIBLE	MONTH	AVG.	AVG.
54.2	31.3	42.8	5.4	28.2	-155			> .01 INCH.	10	3.89								18013	54	7.4	6.6	
NUMBER OF DAYS						SEASON TO DATE	SNOW, ICE PELLETS	GREATEST IN 24 HOURS AND DATES						GREATEST DEPTH ON GROUND OF								
						TOTAL	> 1.0 INCH							SNOW, ICE PELLETS OR ICE AND DATE								
MAXIMUM TEMP						4003	0	PRECIPITATION						SNOW, ICE PELLETS								
> 90°						2	32°	THUNDERSTORMS						1.45						18-19		
< 32°						0	0°	HEAVY FOG						trace						19-20+		
0						-256	0	CLEAR 5 PARTLY CLOUDY 2 CLOUDY 21												07+		

* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.
T TRACE AMOUNT.
* ALSO ON EARLIER DATE(S).
HEAVY FOG: VISIBILITY 1/4 MILE OR LESS.
BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.

DATA IN COLS 6 AND 12-15 ARE BASED ON 21 OR MORE OBSERVATIONS AT HOURLY INTERVALS. RESULTANT WIND IS THE VECTOR SUM OF WIND SPEEDS AND DIRECTIONS DIVIDED BY THE NUMBER OF OBSERVATIONS. ONE OF THREE WIND SPEEDS IS GIVEN UNDER FASTEST MILE: FASTEST MILE - HIGHEST RECORDED SPEED FOR WHICH A MILE OF WIND PASSES STATION (DIRECTION IN COMPASS POINTS). FASTEST OBSERVED ONE MINUTE WIND - HIGHEST ONE MINUTE SPEED (DIRECTION IN TENS OF DEGREES). PEAK GUST - HIGHEST INSTANTANEOUS WIND SPEED (A / APPEARS IN THE DIRECTION COLUMN). ERRORS WILL BE CORRECTED AND NOTED IN SUBSEQUENT PUBLICATIONS.

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noaa

NATIONAL
OCEANIC AND
ATMOSPHERIC ADMINISTRATION

NATIONAL
ENVIRONMENTAL SATELLITE, DATA
AND INFORMATION SERVICE

NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE NORTH CAROLINA

Kenneth D. Hadden
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

FEB 1986
RENO, NEVADA

23185

	A.M. HOUR ENDING AT												P.M. HOUR ENDING AT												DATE
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
01																									01
02							T	0.02	0.03	0.09	T		0.02	0.05	0.01										02
03												T	T	T											03
04																T			T	T	T				04
05																		T							05
06																									06
07										T	T	T	T	T											07
08																									08
09																									09
10																									10
11																									11
12							T		T	T	T	T						T	T	T	T	T	0.01	0.01	12
13	0.10	0.08	T	T	T	0.04	T	T	T	T	T			T	0.01	0.05	0.18	0.16	0.11	T	T	T		T	13
14	T	T	0.01	0.01	T		T	T	T	T	T					0.01	0.07	0.05	0.03	0.02	0.01	0.02	0.10	0.03	14
15	T	0.02	0.04	0.16	0.02	0.05	0.01	T	T	0.01	0.07	0.01	0.01	T	0.01	0.01	0.01	0.05	0.01	0.02	0.01	0.02	T	0.01	15
16	0.05	0.07	T									T	T	T	0.06	0.01	0.01	0.01	0.01	0.02	0.01	0.02	T	0.01	16
17	0.08	0.05	0.05	0.06	0.02	0.03	0.03	0.01	T	0.01	0.05	0.03	0.02	0.01	0.06	0.04	0.04	0.04	0.13	0.09	0.03	0.04	0.01	0.01	17
18	T	T	T	0.01	T	T	0.01	0.01	0.01	0.01	0.02	0.02	T	T	0.01	0.06	0.02	0.05	0.07	0.08	0.09	0.04	0.12	0.21	18
19	0.13	0.13	0.12	0.12	0.03	0.02	0.02	T	T	0.03	T	0.02	0.01	0.04	0.04	0.02	0.02	0.04	0.09	0.08	0.02	0.02	0.03	0.03	19
20	0.02	0.01	T																						20
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MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.03	0.05	0.06	0.08	0.12	0.17	0.22	0.26	0.30	0.35	0.40	0.47
ENDED: DATE	19	19	19	19	19	19	19	19	19	19	19	19
ENDED: TIME	0119	0009	0009	0009	0009	0009	0015	0034	0054	0115	0143	0159

THE PRECIPITATION AMOUNTS FOR THE INDICATED TIME INTERVALS MAY OCCUR AT ANY TIME DURING THE MONTH. THE TIME INDICATED IS THE ENDING TIME OF THE INTERVAL. DATE AND TIME ARE NOT ENTERED FOR TRACE AMOUNTS.

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