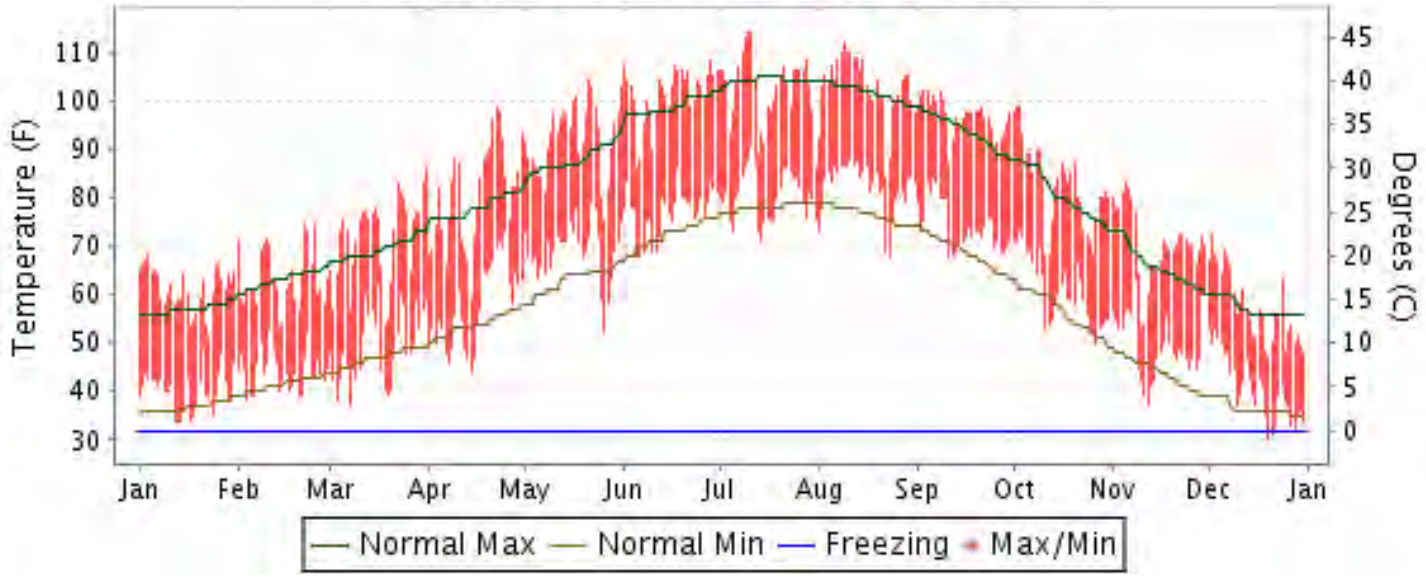
2012
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA

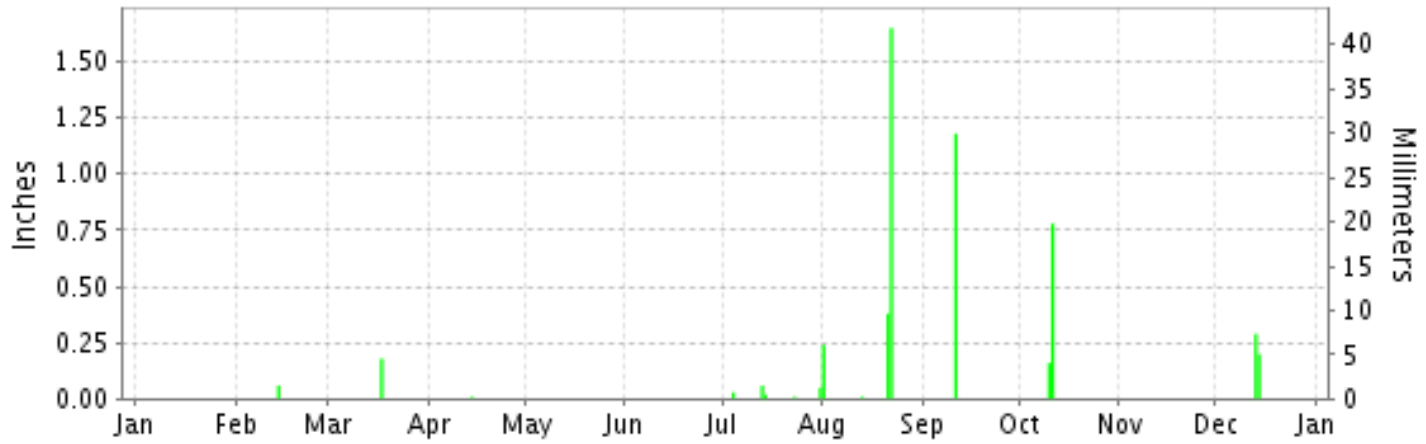
ISSN 0198-330X

LAS VEGAS,
NEVADA (KLAS)

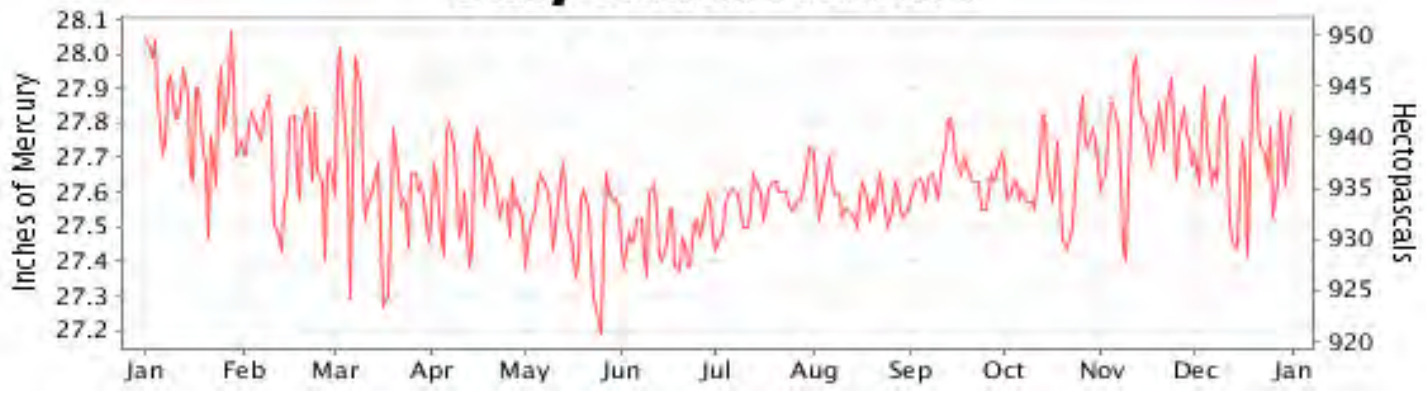
Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE, NORTH CAROLINA

DIRECTOR NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2012
LAS VEGAS (KLAS)

LATITUDE: 36° 4'N **LONGITUDE:** 115° 9'W **ELEVATION (FT):** GRND: 2180 BARO: 2091 **TIME ZONE:** PACIFIC (UTC -8) **WBAN:** 23169

	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	MEAN DAILY MAXIMUM	61.2	63.4	72.0	80.6	92.2	101.3	102.6	102.9	96.6	82.6	70.5	57.3	81.9
	HIGHEST DAILY MAXIMUM	68	74	86	99	104	108	114	112	102	99	83	72	114
	DATE OF OCCURRENCE	04	25+	31	22	21	28	11+	09	08+	03+	05	02	JUL 11+
	MEAN DAILY MINIMUM	40.1	44.1	49.3	57.6	69.1	77.0	80.4	82.3	74.2	60.9	49.7	40.8	60.5
	LOWEST DAILY MINIMUM	34	38	37	44	52	68	71	68	68	50	37	30	30
	DATE OF OCCURRENCE	17+	04	07	14	26	06+	14	23	12+	27	12	20	DEC 20
	AVERAGE DRY BULB	50.7	53.8	60.7	69.1	80.7	89.2	91.5	92.6	85.4	71.8	60.1	49.1	71.2
	MEAN WET BULB	37.9	40.9	44.7	49.9	51.7	55.3	62.5	67.5	60.5	52.3	45.3	39.8	50.7
	MEAN DEW POINT	17.7	23.3	23.5	27.5	13.2	14.3	37.8	52.3	40.6	32.5	27.6	27.3	28.1
	NUMBER OF DAYS WITH:													
	MAXIMUM >= 90°	0	0	0	6	21	28	29	29	28	6	0	0	147
	MAXIMUM <= 32°	0	0	0	0	0	0	0	0	0	0	0	0	0
	MINIMUM <= 32°	0	0	0	0	0	0	0	0	0	0	0	3	3
	MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0
H/C	HEATING DEGREE DAYS	436	318	170	61	1	0	0	0	0	19	166	488	1659
	COOLING DEGREE DAYS	0	0	41	192	494	731	827	865	621	233	28	0	4032
RH	MEAN (PERCENT)	30	33	26	23	9	7	20	29	23	28	32	46	26
	HOUR 04 LST	38	42	35	31	14	12	26	40	35	38	42	56	34
	HOUR 10 LST	25	30	22	20	7	5	18	26	18	22	25	39	21
	HOUR 16 LST	22	25	19	16	6	4	15	21	15	19	24	38	19
	HOUR 22 LST	32	36	28	24	9	7	22	30	25	33	36	51	28
W/O	NUMBER OF DAYS WITH:													
	HEAVY FOG(VISBY <= 1/4 MI)	0	0	0	0	0	0	0	0	0	0	0	0	0
	THUNDERSTORMS	0	1	0	0	1	0	5	13	2	2	0	1	25
PR	MEAN STATION PRESS. (IN.)	27.83	27.69	27.58	27.59	27.51	27.48	27.58	27.64	27.65	26.90	27.75	27.70	27.58
	MEAN SEA-LEVEL PRESS. (IN.)	30.13	29.97	29.84	29.83	29.71	29.66	29.77	29.77	29.86	29.88	30.02	29.98	29.87
WINDS	RESULTANT SPEED (MPH)	4.1	4.0	8.1	7.2	7.1	10.3	7.2	6.3	6.6	6.7	7.1	4.5	6.6
	RES. DIR. (TENS OF DEGS.)	21	21	20	20	21	20	19	19	20	20	20	20	21
	MEAN SPEED (MPH)	7.0	8.0	10.9	10.1	10.6	12.2	8.8	8.0	7.6	8.0	7.8	7.1	8.8
	PREVAIL.DIR.(TENS OF DEGS.)	20	20	20	20	20	20	19	20	20	20	20	20	20
	MAXIMUM 2-MINUTE WIND													
	SPEED (MPH)	41	32	44	37	37	35	32	29	29	31	35	31	44
	DIR. (TENS OF DEGS.)	25	20	23	23	23	22	20	19	18	19	20	21	23
	DATE OF OCCURRENCE	21	13	06	05	25	05	04	12	05	10	09	02	MAR 06
	MAXIMUM 3-SECOND WIND:													
	SPEED (MPH)	54	45	63	48	49	47	41	44	43	41	47	44	63
	DIR. (TENS OF DEGS.)	21	23	23	23	21	23	22	34	17	20	19	21	23
	DATE OF OCCURRENCE	21	13	06	05	17	05	04	21	05	22	09	02	MAR 06
PRECIPITATION	WATER EQUIVALENT:	T	0.06	0.18	0.01	0.00	0.00	0.17	2.28	1.18	0.94	T	0.49	5.31
	TOTAL (IN.)	T	0.06	0.18	0.01	0.00	0.00	0.08	1.98	1.18	0.84	T	0.46	1.98
	GREATEST 24-HOUR (IN.)	23	14	17	14			13-14	21-22	11	10-11	16+	13-14	AUG 21-22
	DATE OF OCCURRENCE													
	NUMBER OF DAYS WITH:	0	1	1	1	0	0	5	4	1	2	0	2	17
	PRECIPITATION 0.01	0	0	1	0	0	0	0	3	1	2	0	2	9
	PRECIPITATION 0.10	0	0	0	0	0	0	0	1	1	0	0	0	2
	PRECIPITATION 1.00													
SNOWFALL	SNOW,ICE PELLETS,HAIL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	T	T
	TOTAL (IN.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	T	T
	GREATEST 24-HOUR (IN.)										11		26	DEC 26
	DATE OF OCCURRENCE	0	0	0	0	0	0	0	0	0	0	0	0	0
	MAXIMUM SNOW DEPTH (IN.)													
	DATE OF OCCURRENCE													
	NUMBER OF DAYS WITH:	0	0	0	0	0	0	0	0	0	0	0	0	0
	SNOWFALL >= 1.0													

NORMALS, MEANS, AND EXTREMES
LAS VEGAS (KLAS)

LATITUDE: 36° 4'N **LONGITUDE:** 115° 9'W **ELEVATION (FT):** GRND: 2180 BARO: 2091 **TIME ZONE:** PACIFIC (UTC -8) **WBAN:** 23169

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	58.0	62.5	70.3	78.3	88.9	98.7	104.2	102.0	94.0	80.6	66.3	56.6	80.0
	MEAN DAILY MAXIMUM	64	56.8	62.4	69.4	78.0	88.1	98.6	104.3	102.0	94.5	81.2	66.4	56.9	79.9
	HIGHEST DAILY MAXIMUM	64	77	87	92	99	109	115	117	116	113	103	87	77	117
	YEAR OF OCCURRENCE		1975	1986	2004	2012	2003	1994	2005	1979	1950	1978	1988	1980	JUL 2005
	MEAN OF EXTREME MAXS.	64	68.1	74.4	83.1	92.3	101.2	109.7	112.3	110.1	104.9	94.4	79.4	68.0	91.5
	NORMAL DAILY MINIMUM	30	39.4	43.4	49.4	56.1	65.8	74.6	80.9	79.3	71.1	58.5	46.5	38.7	58.6
	MEAN DAILY MINIMUM	64	35.1	39.5	45.0	52.2	61.5	70.7	77.6	75.7	67.5	55.1	42.9	35.2	54.8
	LOWEST DAILY MINIMUM	64	8	16	23	31	40	48	60	56	46	26	21	11	8
	YEAR OF OCCURRENCE		1963	1989	1971	1975	1964	1993	1987	1968	1965	1971	1952	1990	JAN 1963
	MEAN OF EXTREME MINS.	64	24.4	28.4	33.5	40.5	48.7	57.9	68.0	66.6	56.5	43.4	31.0	25.0	43.7
	NORMAL DRY BULB	30	48.7	52.9	59.9	67.2	77.3	86.7	92.5	90.6	82.6	69.5	56.4	47.7	69.3
	MEAN DRY BULB	64	46.0	50.9	57.2	65.1	74.8	84.7	90.9	88.9	81.0	68.2	54.7	46.1	67.4
	MEAN WET BULB	29	34.5	37.2	39.9	42.6	47.0	50.9	58.7	58.5	52.7	46.1	38.3	34.1	45.0
	MEAN DEW POINT	29	28.7	30.4	32.0	32.9	37.4	40.9	49.2	50.4	43.8	36.8	31.0	26.9	36.7
	NORMAL NO. DAYS WITH:														
	MAXIMUM >= 90	30	0.0	0.0	0.2	3.1	15.3	26.0	30.4	30.0	22.2	4.1	0.0	0.0	131.3
	MAXIMUM <= 32	30	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
	MINIMUM <= 32	30	3.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	3.0	7.5
	MINIMUM <= 0	30	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
H/C	NORMAL HEATING DEG. DAYS	30	505	339	189	63	7	1	0	0	1	38	270	538	1951
	NORMAL COOLING DEG. DAYS	30	0	1	30	129	390	650	854	795	528	179	12	0	3568
RH	NORMAL (PERCENT)	30	48	43	37	26	23	17	21	25	26	29	36	44	31
	HOUR 04 LST	30	57	52	47	35	33	24	28	33	34	38	45	52	40
	HOUR 10 LST	30	43	38	32	23	20	15	20	23	23	26	32	38	28
	HOUR 16 LST	30	33	29	24	17	15	11	15	17	18	20	26	31	21
	HOUR 22 LST	30	51	45	39	27	24	17	21	25	27	30	39	46	33
S	PERCENT POSSIBLE SUNSHINE	47	77	81	83	87	88	93	88	88	91	87	81	78	85
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	49	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5
	THUNDERSTORMS	64	0.0	0.3	0.4	0.4	0.8	1.0	4.0	3.9	1.6	0.7	0.2	0.1	13.4
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)														
	MIDNIGHT-MIDNIGHT (OKTAS)														
	MEAN NO. DAYS WITH:														
	CLEAR	1	4.0	1.0	9.0		27.0	16.0							
	PARTLY CLOUDY	1	2.0	3.0	6.0		1.0								
	CLOUDY	1	1.0	3.0			1.0	1.0							
PR	MEAN STATION PRESSURE(IN)	29	27.83	27.75	27.66	27.62	27.57	27.54	27.57	27.61	27.62	27.66	27.78	27.82	27.67
	MEAN SEA-LEVEL PRES. (IN)	29	30.12	30.03	29.94	29.85	29.78	29.73	29.78	29.80	29.82	29.92	30.04	30.11	29.91
WINDS	MEAN SPEED (MPH)	29	6.9	8.0	9.6	10.5	10.6	10.6	9.4	9.0	8.2	7.6	7.2	6.8	8.7
	PREVAIL.DIR(TENS OF DEGS)	33	26	20	20	20	20	20	19	20	20	20	20	25	19
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	17	45	53	46	45	56	47	45	43	41	46	40	48	56
	DIR. (TENS OF DEGS)		23	35	33	23	22	33	03	32	16	33	24	34	22
	YEAR OF OCCURRENCE		1996	2008	2001	2010	2000	1998	1998	1998	1998	1996	2001	2000	MAY 2000
	MAXIMUM 3-SECOND														
	SPEED (MPH)	17	54	67	63	63	64	60	55	61	49	62	49	61	67
	DIR. (TENS OF DEGS)		21	34	23	23	26	31	18	16	23	34	24	34	34
	YEAR OF OCCURRENCE		2012	2008	2012	2010	2000	2008	2011	1998	1998	2007	2001	2009	FEB 2008
PRECIPITATION	NORMAL (IN)	30	0.54	0.76	0.44	0.15	0.12	0.07	0.40	0.33	0.25	0.27	0.36	0.50	4.19
	MAXIMUM MONTHLY (IN)	64	3.00	2.89	4.80	2.44	0.96	0.97	2.48	2.59	2.06	1.45	2.22	2.10	4.80
	YEAR OF OCCURRENCE		1995	1998	1992	1965	1969	1990	1984	1957	1997	2005	1965	2004	MAR 1992
	MINIMUM MONTHLY (IN)	64	T	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	YEAR OF OCCURRENCE		2012	1977	1972	1962	1970	1982	1981	1980	1971	1979	1980	1981	JUN 1982
	MAXIMUM IN 24 HOURS (IN)	64	1.09	1.30	1.27	0.97	0.83	0.97	1.36	2.59	1.18	1.37	1.78	2.10	2.59
	YEAR OF OCCURRENCE		1990	1993	1992	1965	1987	1990	1984	1957	2012	2005	1960	2004	AUG 1957
	NORMAL NO. DAYS WITH:														
	PRECIPITATION >= 0.01	30	3.1	4.0	2.9	1.6	1.2	0.6	2.5	2.6	1.6	1.7	1.7	3.0	26.5
	PRECIPITATION >= 1.00	30	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.2
SNOWFALL	NORMAL (IN)	30	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3
	MAXIMUM MONTHLY (IN)	53	16.7	1.4	0.1	T	T	0.0	T	0.0	T	T	4.0	3.6	16.7
	YEAR OF OCCURRENCE		1949	1990	1976	1970	2010	2010	2010	2010	2009	2012	1964	2008	JAN 1949
	MAXIMUM IN 24 HOURS (IN)	53	9.0	6.9	0.1	0.0	0.0	0.0	0.0	T	0.0	T	4.0	3.6	9.0
	YEAR OF OCCURRENCE'		1974	1979	1976					1989		2012	1964	2008	JAN 1974
	MAXIMUM SNOW DEPTH (IN)	52	8	6	0	0	0	0	0	0	0	0	3	3	8
	YEAR OF OCCURRENCE		1974	1979									1964	2008	JAN 1974
	NORMAL NO. DAYS WITH:														
	SNOWFALL >= 1.0	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1

PRECIPITATION (inches) 2012 LAS VEGAS (KLAS)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1983	0.43	0.32	0.90	0.45	0.16	T	0.06	1.25	0.50	0.26	0.10	0.43	4.86
1984	T	0.03	T	0.04	0.00	0.22	2.48	0.99	0.47	T	0.94	1.68	6.85
1985	0.19	0.02	0.06	0.31	T	0.02	0.13	0.00	0.08	0.07	0.37	0.02	1.27
1986	0.23	0.15	0.32	0.10	0.28	T	0.13	0.04	0.05	0.07	0.81	0.47	2.65
1987	1.13	0.45	0.49	0.17	0.90	0.13	0.13	0.01	T	0.49	1.80	0.89	6.59
1988	0.65	0.26	0.00	0.76	T	0.04	0.04	0.46	T	0.00	T	0.08	2.29
1989	0.51	0.06	0.05	T	0.64	T	0.05	0.80	T	T	0.00	T	2.11
1990	1.18	0.37	T	0.18	T	0.97	0.59	T	0.19	0.17	0.10	T	3.75
1991	0.21	0.54	1.01	T	0.05	0.19	0.54	0.78	0.06	0.06	0.38	0.24	4.06
1992	0.45	1.30	4.80	0.02	0.05	0.09	0.03	0.21	0.00	1.22	0.00	1.71	9.88
1993	1.63	2.52	0.14	0.01	0.01	0.08	0.00	0.26	0.00	0.02	0.17	0.21	5.05
1994	0.04	0.48	0.13	T	0.01	0.00	0.11	0.08	0.35	T	0.28	1.08	2.56
1995	3.00	0.03	0.39	0.03	0.16	0.02	T	0.05	T	T	0.00	0.01	3.69
1996	0.13	0.14	0.10	0.00	0.13	T	1.18	T	.00	.11	.79	.18	2.76
1997	0.30	T	0.00	0.04	T	T	0.60	0.33	2.06	T	0.23	0.07	3.63
1998	0.17	2.89	1.03	0.14	0.13	0.03	0.46	0.23	1.29	0.22	0.33	0.43	7.35
1999	T	0.08	T	0.73	T	0.14	2.18	0.25	0.35	T	0.00	T	3.73
2000	T	1.59	0.21	T	T	T	T	0.71	0.00	0.92	T	0.04	3.47
2001	0.87	2.21	0.16	0.04	0.02	T	0.39	0.05	T	0.00	0.09	0.11	3.94
2002	T	T	0.10	0.00	0.00	0.00	0.52	0.00	0.31	0.32	0.12	0.07	1.44
2003	0.02	2.13	0.32	0.38	0.01	0.00	1.08	0.83	0.52	0.00	0.61	0.96	6.86
2004	0.01	1.46	0.23	0.92	0.00	T	0.05	0.51	0.18	0.59	1.71	2.10	7.76
2005	2.07	2.45	0.47	0.06	T	0.07	0.52	0.26	T	1.45	0.00	0.02	7.37
2006	0.03	0.05	0.19	T	T	0.06	0.13	0.04	T	1.07	0.00	0.12	1.69
2007	0.06	0.16	T	0.08	T	0.00	0.29	0.76	0.67	0.00	0.64	0.07	2.73
2008	0.57	0.05	0.08	0.00	0.13	T	0.08	0.07	0.03	0.01	0.47	1.15	2.64
2009	0.04	0.78	T	0.05	0.00	0.10	0.29	0.02	T	T	0.02	0.29	1.59
2010	2.04	1.05	0.15	0.05	T	T	T	T	0.01	0.82	0.01	1.77	5.90
2011	0.01	0.07	0.17	0.00	0.01	0.00	0.83	0.01	0.78	0.21	0.11	0.14	2.34
2012	T	0.06	0.18	0.01	0.00	0.00	0.17	2.28	1.18	0.94	T	0.49	5.31
POR= 64 YRS	0.53	0.58	0.41	0.17	0.15	0.08	0.44	0.45	0.30	0.26	0.37	0.39	4.13

WBAN : 23169

AVERAGE TEMPERATURE (°F) 2012 LAS VEGAS (KLAS)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1983	46.6	51.7	56.4	58.5	72.8	82.8	88.5	83.8	82.5	67.8	55.3	47.9	66.2
1984	47.1	50.1	57.9	63.1	80.7	83.5	88.2	85.4	81.7	63.0	52.7	44.0	66.5
1985	44.4	47.4	54.9	68.2	76.9	87.4	92.0	89.9	75.4	67.3	51.7	48.3	67.0
1986	51.7	55.8	63.0	66.2	76.6	87.8	87.6	91.2	75.4	65.0	55.8	46.0	68.5
1987	44.7	51.4	54.6	68.4	74.5	86.3	86.9	88.2	81.2	71.0	53.4	42.5	66.9
1988	45.1	52.4	58.1	64.2	73.4	85.3	92.6	86.9	79.1	74.9	56.0	46.0	67.8
1989	43.9	50.0	63.4	72.7	75.7	85.3	93.4	86.9	80.0	67.2	57.3	48.0	68.7
1990	45.2	48.8	60.5	68.8	74.5	85.9	90.8	87.8	82.0	69.2	55.1	40.2	67.4
1991	45.5	55.9	52.7	64.2	69.9	82.1	90.2	87.8	81.9	72.2	55.2	47.0	67.1
1992	45.9	54.1	56.8	70.5	77.7	83.2	88.7	90.5	83.7	70.9	52.7	43.6	68.2
1993	45.7	50.1	60.9	67.5	77.0	82.5	89.4	88.5	81.3	69.1	51.5	46.3	67.5
1994	49.3	48.5	62.7	67.6	76.6	90.3	93.3	92.9	83.1	67.2	49.4	47.5	69.0
1995	47.5	58.7	57.9	64.8	71.0	80.9	92.4	93.1	83.7	69.4	59.8	48.9	69.0
1996	48.5	54.8	59.8	68.3	77.3	87.0	93.2	91.9	80.4	66.8	56.5	47.9	69.4
1997	48.3	51.7	62.7	65.4	81.6	84.3	88.2	90.7	81.3	67.3	56.2	45.9	68.6
1998	48.7	49.4	56.6	61.1	70.0	80.0	91.7	92.0	80.0	66.6	54.8	47.8	66.6
1999	50.5	52.7	60.6	60.9	75.3	85.2	88.2	88.0	81.6	71.6	58.8	48.7	68.5
2000	51.4	53.6	58.6	71.2	80.8	88.7	92.3	90.5	81.7	67.3	50.2	49.5	69.7
2001	46.4	49.8	60.6	65.0	82.2	87.9	90.3	91.9	85.1	72.1	58.6	45.4	69.6
2002	46.1	51.9	55.5	69.7	75.8	88.1	94.6	90.6	82.8	67.4	56.8	47.5	68.9
2003	54.2	51.6	59.6	62.9	77.9	87.9	94.8	90.3	84.4	75.4	52.6	47.9	70.0
2004	47.5	48.8	66.5	67.8	79.1	88.1	93.1	89.5	81.6	68.3	53.7	49.2	69.4
2005	51.4	53.2	59.6	65.7	79.0	85.0	95.3	89.6	82.0	70.4	59.3	49.7	70.0
2006	50.2	53.9	55.1	66.6	81.0	90.5	94.6	91.1	80.9	67.8	58.4	47.5	69.8
2007	46.0	54.7	64.4	70.5	80.5	89.5	95.4	92.5	82.7	69.8	60.9	45.2	71.0
2008	46.1	52.5	61.2	67.6	74.4	88.7	93.7	93.0	84.8	71.1	60.8	46.1	70.0
2009	51.0	52.0	59.8	66.0	83.6	83.5	94.7	90.6	86.2	67.0	59.2	45.5	69.9
2010	48.8	52.6	58.3	64.0	71.7	87.5	96.2	91.4	85.2	70.4	56.3	51.3	69.5
2011	49.1	50.4	60.7	66.5	72.0	85.5	91.7	93.9	84.0	70.5	54.8	46.2	68.8
2012	50.7	53.8	60.7	69.1	80.7	89.2	91.5	92.6	85.4	71.8	60.1	49.1	71.2
POR= 64 YRS	46.0	50.9	57.2	65.1	74.8	84.7	90.9	88.9	81.0	68.2	54.7	46.1	67.4

HEATING DEGREE DAYS (base 65°F) 2012 LAS VEGAS (KLAS)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1983-84	0	0	0	3	297	524	548	424	216	111	0	0	2123
1984-85	0	0	0	127	363	641	629	487	308	41	0	0	2596
1985-86	0	0	1	31	393	512	404	270	125	57	11	0	1804
1986-87	0	0	14	53	268	586	622	375	316	40	1	0	2275
1987-88	0	0	0	18	342	689	612	357	225	83	33	0	2359
1988-89	0	0	0	0	291	581	647	425	118	23	16	0	2101
1989-90	0	0	0	70	224	519	606	449	172	12	0	0	2052
1990-91	0	0	0	23	290	761	597	247	376	57	25	2	2378
1991-92	0	0	0	77	297	552	584	308	248	7	0	0	2073
1992-93	0	0	0	16	364	655	591	410	143	32	3	8	2222
1993-94	0	0	0	33	398	573	480	455	93	60	1	0	2093
1994-95	0	0	0	35	465	537	537	170	230	90	18	6	2088
1995-96	0	0	0	22	151	490	504	287	169	22	11	0	1656
1996-97	0	0	0	138	249	524	512	368	115	117	0	0	2023
1997-98	0	0	0	57	259	583	500	426	270	166	23	0	2284
1998-99	0	0	0	39	296	525	444	337	143	188	5	6	1983
1999-00	0	0	0	11	184	499	412	325	195	16	3	0	1645
2000-01	0	0	0	80	436	474	570	421	175	114	2	0	2272
2001-02	0	0	0	0	204	602	578	363	304	34	7	0	2092
2002-03	0	0	0	39	244	536	331	368	187	109	10	0	1824
2003-04	0	0	0	9	365	524	536	462	71	29	0	0	1996
2004-05	0	0	0	80	332	483	414	326	174	46	1	0	1856
2005-06	0	0	0	7	182	465	453	305	298	41	0	0	1751
2006-07	0	0	0	27	204	537	553	286	102	35	1	0	1745
2007-08	0	0	0	14	149	607	578	358	135	21	17	0	1879
2008-09	0	0	0	29	131	577	427	361	180	77	0	0	1782
2009-10	0	0	0	53	192	599	497	342	212	106	13	0	2014
2010-11	0	0	0	25	284	416	486	402	158	68	17	0	1856
2011-12	0	0	0	31	301	577	436	318	170	61	1	0	1895
2012-	0	0	0	19	166	488							

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COOLING DEGREE DAYS (base 65°F) 2012 LAS VEGAS (KLAS)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1983	0	0	2	9	269	541	735	589	534	94	10	0	2783
1984	0	0	3	61	496	563	724	641	508	74	1	0	3071
1985	0	0	0	143	377	678	844	778	319	110	2	0	3251
1986	0	20	69	98	379	693	707	821	332	59	0	0	3178
1987	0	0	0	148	302	645	685	729	495	211	0	0	3215
1988	0	0	16	64	300	615	864	685	434	312	31	0	3321
1989	0	11	74	259	351	614	887	687	456	143	0	0	3482
1990	0	0	42	134	302	634	810	713	516	163	0	0	3314
1991	0	0	0	42	187	524	788	714	515	307	12	0	3089
1992	0	0	0	180	402	552	742	798	571	206	3	0	3454
1993	0	0	21	114	381	537	765	737	494	166	0	0	3215
1994	0	0	31	145	369	768	883	870	551	108	0	0	3725
1995	0	0	13	91	211	490	856	880	570	168	2	0	3281
1996	0	3	16	129	402	665	883	841	471	201	0	0	3611
1997	0	0	48	136	522	584	727	805	494	137	4	0	3457
1998	0	0	18	55	186	457	834	842	456	95	0	0	2943
1999	0	0	13	74	333	620	726	719	508	221	3	0	3217
2000	0	0	3	208	498	719	851	799	509	158	0	0	3745
2001	0	0	47	122	541	692	792	843	609	231	17	0	3894
2002	0	0	13	182	349	700	923	802	539	123	5	0	3636
2003	0	1	26	52	416	695	930	792	591	335	0	0	3838
2004	0	0	124	122	445	702	874	767	506	189	1	0	3730
2005	0	0	13	73	438	607	947	769	518	182	18	0	3565
2006	0	0	0	105	502	772	925	815	482	118	12	0	3731
2007	0	0	90	207	491	742	947	860	538	168	32	0	4075
2008	0	0	25	106	316	720	895	873	602	224	14	0	3775
2009	0	0	24	111	583	559	927	799	641	122	24	0	3790
2010	0	0	11	84	227	684	976	827	609	199	31	0	3648
2011	0	0	32	121	241	623	831	904	577	210	1	0	3540
2012	0	0	41	192	494	731	827	865	621	233	28	0	4032

SNOWFALL (inches) 2012 LAS VEGAS (KLAS)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1983-84	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
1984-85	0.0	0.0	0.0	0.0	0.0	T	0.0	T	0.0	0.0	0.0	0.0	T
1985-86	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	0.0	T
1986-87	0.0	0.0	0.0	0.0	0.0	0.0	T	0.6	0.0	0.0	0.0	0.0	0.6
1987-88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	T
1988-89	0.0	0.0	0.0	0.0	0.0	T	0.0	0.3	0.0	0.0	0.0	0.0	0.3
1989-90	0.0	T	0.0	0.0	0.0	0.0	T	1.4	0.0	0.0	0.0	0.0	1.4
1990-91	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
1991-92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	T
1992-93	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	0.0	T
1993-94	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
1994-95	0.0	0.0	0.0	0.0	T	0.0	T	0.0	0.0	0.0	0.0	0.0	T
1995-96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	T
1996-97	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
1997-98	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
1998-99	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
1999-00	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
2000-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	T
2001-02	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
2002-03	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
2003-04	0.0	0.0	0.0	0.0	0.0	1.3	0.0	T	0.0	0.0	0.0	0.0	1.3
2004-05	0.0	T	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
2005-06	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
2006-07	0.0	0.0	0.0	0.0	0.0	T	0.0	T	0.0	0.0	0.0	0.0	T
2007-08	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
2008-09	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	3.6
2009-10	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
2010-11	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
2011-12	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
2012-	0.0	0.0	0.0	T	0.0	T							
POR= 64 YRS	0.0	T	0.0	T	0.1	0.1	0.7	T	T	0.0	0.0	0.0	0.9

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REFERENCE NOTES :

PAGE 1:
THE TEMPERATURE GRAPH SHOWS NORMAL MAXIMUM AND NORMAL MINIMUM DAILY TEMPERATURES (SOLID CURVES) AND THE ACTUAL DAILY HIGH AND LOW TEMPERATURES (VERTICAL BARS).
PAGE 2 AND 3:
H/C INDICATES HEATING AND COOLING DEGREE DAYS.
RH INDICATES RELATIVE HUMIDITY
W/O INDICATES WEATHER AND OBSTRUCTIONS
S INDICATES SUNSHINE.
PR INDICATES PRESSURE.
CLOUDINESS ON PAGE 3 IS THE SUM OF THE CEILOMETER AND SATELLITE DATA NOT TO EXCEED EIGHT EIGHTHS(OKTAS).
GENERAL:
T INDICATES TRACE PRECIPITATION, AN AMOUNT GREATER THAN ZERO BUT LESS THAN THE LOWEST REPORTABLE VALUE.
+ INDICATES THE VALUE ALSO OCCURS ON EARLIER DATES.
BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.
ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM.
PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH.
POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY BE MISSING.
WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED.
0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05.
CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA FOR CLOUDS AT OR BELOW 12,000 FEET
CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS.
GENERAL CONTINUED:
WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM. "36" INDICATES TRUE NORTH.
RESULTANT WIND IS THE VECTOR AVERAGE OF THE SPEED AND DIRECTION.
AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAXIMUM AND MINIMUM TEMPERATURE DIVIDED BY 2.
SNOWFALL DATA COMPRISE ALL FORMS OF FROZEN PRECIPITATION, INCLUDING HAIL.
A HEATING (COOLING) DEGREE DAY IS THE DIFFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65 F.
DRY BULB IS THE TEMPERATURE OF THE AMBIENT AIR.
DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100 PERCENT RELATIVE HUMIDITY.
WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100 PERCENT RELATIVE HUMIDITY.
ON JULY 1, 1996, THE NATIONAL WEATHER SERVICE BEGAN USING THE "METAR" OBSERVATION CODE THAT WAS ALREADY EMPLOYED BY MOST OTHER NATIONS OF THE WORLD. THE MOST NOTICEABLE DIFFERENCE IN THIS ANNUAL PUBLICATION WILL BE THE CHANGE IN UNITS FROM TENTHS TO EIGHTS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.
STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED SATION HISTORY INFORMATION GO TO "Historical Observing Metadata Repository", URL IS:
http://www.ncdc.noaa.gov/homr/
SNOWFALL STOPPED MONTH & YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.

NOTE:

The "Period of Record:(POR)" for all "averages" is based on "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.

The 2012 Annual Publications were reproduced on 6/05/13 to correct two problems that occurred when the Publications were first produced on 02/28/13.

1) A small number of stations did not correctly show number of days with thunderstorms and heavy fog.
2) Climate Normals in the Annual Publications were based on a first edition of the 1981-2010 Normals release. With the release of Service Pack 1 (SP1) new normals for 83 stations are available and now included. Additional information on SP1 is available at: http://www1.ncdc.noaa.gov/pub/data/normals/1981-2010/status.txt.

2012
LAS VEGAS
NEVADA (KLAS)

Las Vegas is located in a broad desert valley in extreme southern Nevada and almost surrounded by mountains that are roughly 2,000 to 10,000 feet higher than the valley floor. The Las Vegas Valley itself is about 600 square miles and runs from the northwest to the southeast, sloping gradually upwards on each side towards the surrounding mountains. To the west of the Las Vegas Valley are the Spring Mountains, which includes Mount Charleston, the region's highest peak at 11,918 feet. The north side of the valley is bordered by the Sheep Mountain Range, while the southern end is marked by the Bird Spring Mountain Range, McCullough Mountain Range and Black Mountain. To the east, Sunrise and Frenchman Mountain separate the valley from Lake Mead. The Las Vegas Valley itself slopes downward from west to east. This affects the local climatology significantly in terms of driving variations in wind, temperature, precipitation and storm runoff.

The official climate station for the Las Vegas Valley is located at McCarran International Airport, which is located about 7 miles south of downtown Las Vegas near the southern end of the Las Vegas Strip. During the 1990s and most of the early 2000s, Las Vegas experienced a massive increase in population which resulted in explosive development of the Las Vegas Valley. This increase in urbanization has resulted in an urban heat island effect at the center of the valley, especially in areas near downtown and along The Strip, and most noted during the warmer summer months. As a result of this, McCarran International Airport frequently sees low temperatures some 5 to 15 degrees warmer than outlying areas of the valley, especially on nights with a clear sky and light winds. The lowest temperatures in the Las Vegas Valley are frequently recorded on the eastern side of the valley, which is lower and where colder air often likes to drain into at night, or on the higher elevations along the valley's west side.

Las Vegas is commonly noted for its abundant sunshine throughout the year and hot summer temperatures which reach into the triple digits. The coldest of winter nights will see temperatures drop into the 20s, with readings in the teens or lower experienced only in the most severe cold outbreaks.

The Spring Mountains immediately west of the valley as well as the Sierra Nevada Mountains in California frequently act as barriers to moisture moving in from the Pacific. It is primarily these features which limit the number of days each year that precipitation falls in Las Vegas and help make Las Vegas the driest major metropolitan area in the continental United States. During the cold season months, cold fronts and storm systems moving in from the Pacific occasionally bring precipitation and more often, gusty winds with them. While strong winds associated with cold season storms have been seen as early as late September and as late as early June, they are most common in the spring months and again in the fall when the majority of storms tend to pass through the area with no precipitation. The strong winds that do occur usually reach this valley from the southwest or pass through from the northwest. Winds over 50 mph are infrequent, but when they do occur, are probably the most provoking of the elements experienced in the Las Vegas Valley because of the blowing dust and sand associated with them. However, outside of the wind, the springand fall months are usually considered the most ideal, though rather sharp temperature changes can occur during these months. Snow itself has fallen in about two-thirds of the winter seasons at least once, however, it usually melts as it falls. Measurable snow at the official climate station typically occurs once every four or five years, however, higher elevations on the valley's west side such as the Summerlin area see measurable snow about every three years or so.

In the warm season months, typically in July and August, a push of moisture associated with the monsoon moves into the Mojave Desert bringing higher than average humidity and triggering scattered thunderstorms. These storms typically develop in the mountains surrounding the Las Vegas Valley and then move into the valley itself. While the gusty winds associated with them occasionally do cause damage, other times the main impact from these storms is the heavy rain they unleash that triggers flash flooding. The flash floods that do result from thunderstorms often sweep down normally dry washes or cause water to pour into low-lying areas.
By September, the monsoon typically wanes and the first break from the intense heat of summer is experienced.

Station History

LAS VEGAS, NV

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
LAS VEGAS MCCARRAN INTL AP	2005-10-28	2007-04-16	36° 4'	-115° 9'	2127		AIRWAYS,ASOS,COOP
LAS VEGAS MCCARRAN INTL AP	1968-12-01	1969-01-01	36° 4'	-115° 10'	2162		AIRWAYS,COOP
LAS VEGAS MCCARRAN INTL AP	2011-05-22	2012-12-03	36° 4'	-115° 9'	2131		AIRSAMPLE,AIRWAYS,ASOS,COOP
LAS VEGAS MCCARRAN INTL AP	1995-10-01	1997-08-22	36° 4'	-115° 9'	2127		ASOS,COOP,WXSVC
LAS VEGAS MCCARRAN INTL AP	1969-01-01	1995-09-01	36° 4'	-115° 10'	2162		COOP,WXSVC
LAS VEGAS MCCARRAN INTL AP	2007-04-16	2007-04-19	36° 4'	-115° 9'	2131		AIRSAMPLE,AIRWAYS,ASOS,COOP
LAS VEGAS MCCARRAN INTL AP	1997-08-22	2005-10-28	36° 4'	-115° 9'	2127		AIRWAYS,ASOS,COOP
LAS VEGAS MCCARRAN INTL AP	2007-04-19	2011-05-22	36° 4'	-115° 9'	2131		AIRSAMPLE,AIRWAYS,ASOS,COOP
LAS VEGAS MCCARRAN INTL AP	2012-12-03	Present	36° 4'	-115° 9'	2180		AIRSAMPLE,AIRWAYS,ASOS,COOP
LAS VEGAS MCCARRAN FIELD	1949-01-01	1966-10-01	36° 4'	-115° 10'	2162		AIRWAYS,COOP
LAS VEGAS MCCARRAN AP	1966-10-01	1968-12-01	36° 4'	-115° 10'	2162		AIRWAYS,COOP
LAS VEGAS MCCARRAN INTL AP	1995-09-01	1995-10-01	36° 4'	-115° 9'	2127	.4 MI E	ASOS,COOP,WXSVC

Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
PRECIP	1948-12-18	1948-12-19	DAILY	2400			
PRECIP	1956-07-01	1976-09-22	DAILY	2400	TB	RCRD	
PRECIP	1993-09-21	1995-07-01	HOURLY	2400			
TEMP	1956-05-03	1956-07-01	DAILY	2400			
PRECIP	1982-01-01	1982-01-15	DAILY	2400	TB	RCRD	ROOF
PRECIP	2002-02-11	2005-10-28	DAILY	2400	AHTB	RCRD;HTD	
PRECIP	2007-01-24	2007-04-16	HOURLY	2400	AHTB	RCRD;HTD	
TEMP	2009-03-12	2011-05-22	DAILY	2400	ATEMP		
TEMP	1948-12-19	1956-05-03	DAILY	2400			
PRECIP	1948-12-19	1956-05-03	DAILY	2400	TB	RCRD	
TEMP	1956-07-01	1976-09-22	DAILY	2400			
TEMP	1976-09-22	1982-01-01	DAILY	2400			
TEMP	1993-09-21	1995-07-01	DAILY	2400	HYGR		
PRECIP	1995-07-01	1995-09-01	HOURLY	2400	UNIV	RCRD	ROOF
PRECIP	1995-07-01	1995-09-01	DAILY	2400	UNIV	RCRD	ROOF
TEMP	2002-02-11	2005-10-28	DAILY	2400	ATEMP		
TEMP	2007-04-16	2009-03-12	DAILY	2400	ATEMP		
PRECIP	2009-03-12	2011-05-22	HOURLY	2400	AHTB	RCRD;HTD	
PRECIP	2011-05-22	Present	DAILY	2400	PCPNX		
TEMP	1982-01-01	1982-01-15	DAILY	2400			
PRECIP	1993-09-21	1995-07-01	DAILY	2400	UNIV	RCRD	ROOF
TEMP	1995-07-01	1995-09-01	DAILY	2400	HYGR		
PRECIP	2005-10-28	2007-01-24	DAILY	2400	PCPNX		
PRECIP	1956-05-03	1956-07-01	DAILY	2400	TB	RCRD	ROOF
PRECIP	1982-01-01	1982-01-15	HOURLY	2400			
TEMP	2007-01-24	2007-04-16	DAILY	2400	ATEMP		
TEMP	2011-05-22	Present	DAILY	2400	ATEMP		
TEMP	1948-12-18	1948-12-19	DAILY	2400			
TEMP	1982-01-15	1993-09-21	DAILY	2400			
PRECIP	1982-01-15	1993-09-21	DAILY	2400	UNIV	RCRD	ROOF
TEMP	1995-09-01	2002-02-11	DAILY	2400	HYGR		
PRECIP	1995-09-01	2002-02-11	HOURLY		TB	RCRD	
PRECIP	1995-09-01	2002-02-11	DAILY	2400	TB	RCRD	
PRECIP	2005-10-28	2007-01-24	HOURLY	2400	AHTB	RCRD;HTD	
PRECIP	2007-04-16	2009-03-12	DAILY	2400	PCPNX		
PRECIP	2011-05-22	Present	HOURLY	2400	AHTB	RCRD;HTD	
PRECIP	1976-09-22	1982-01-01	DAILY	2400	TB	RCRD	ROOF
PRECIP	1982-01-15	1993-09-21	HOURLY	2400			
PRECIP	2002-02-11	2005-10-28	HOURLY		AHTB	RCRD;HTD	
TEMP	2005-10-28	2007-01-24	DAILY	2400	ATEMP		
PRECIP	2007-01-24	2007-04-16	DAILY	2400			
PRECIP	2007-04-16	2009-03-12	HOURLY	2400	AHTB	RCRD;HTD	
PRECIP	2009-03-12	2011-05-22	DAILY	2400	PCPN1		

* For explanation of codes and abbrevitions see Station Metadata link below.

Other Station Information can be found at:
ASOS Implementation by NWS: http://www.nws.noaa.gov/ops2/Surface/asosimplementation.htm
Station Metadata website: http://www.ncdc.noaa.gov/homr

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