

2003

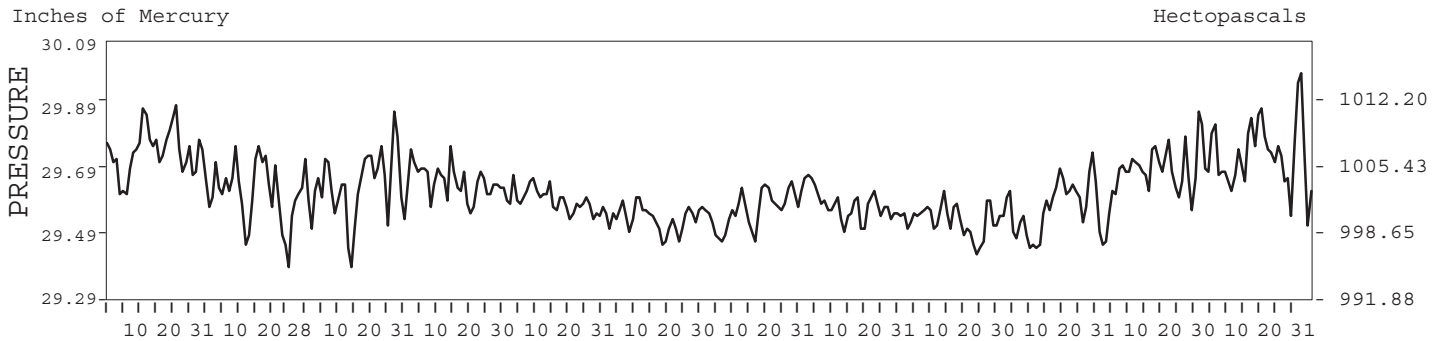
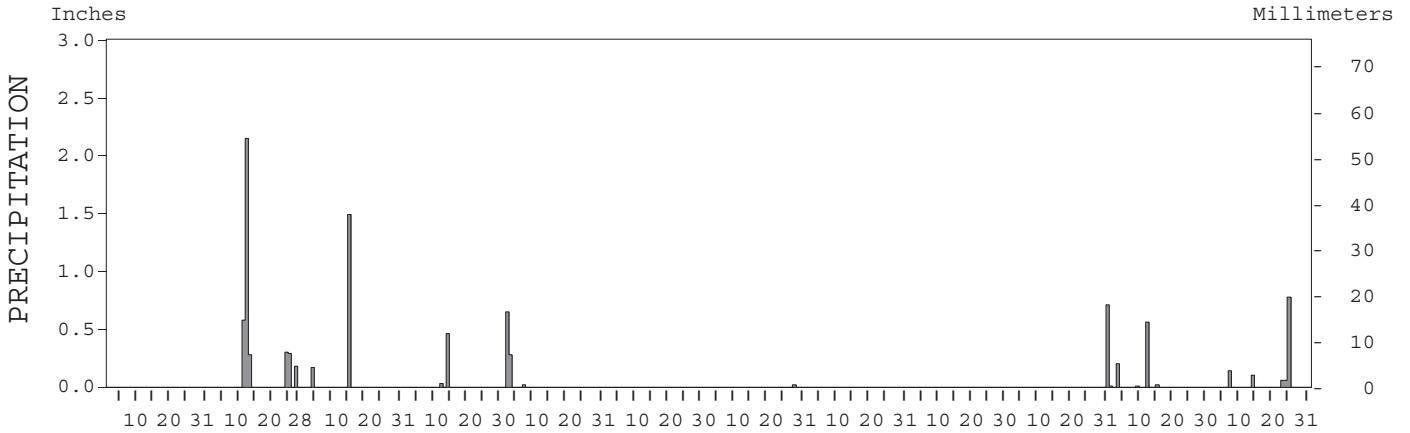
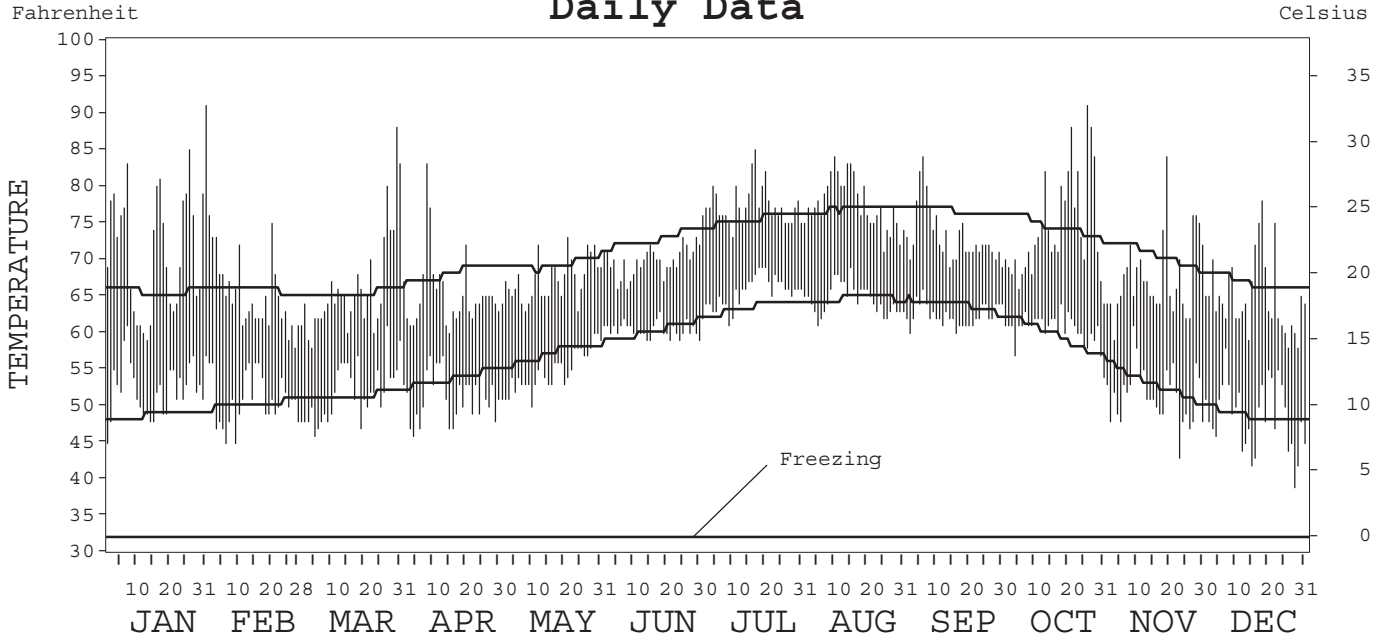
LOCAL CLIMATOLOGICAL DATA  
ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-0912

LOS ANGELES, CALIFORNIA  
INTERNATIONAL AIRPORT (LAX)

Daily Data



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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE	NATIONAL CLIMATIC DATA CENTER ASHEVILLE, NORTH CAROLINA	DIRECTOR NATIONAL CLIMATIC DATA CENTER
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# METEOROLOGICAL DATA FOR 2003

## LOS ANGELES, CA (LAX)

LATITUDE: 33° 56' 17" N      LONGITUDE: 118° 24' 20" W      ELEVATION (FT): GRND: 323      BARO: 326      TIME ZONE: PACIFIC (UTC + 8)      WBAN: 23174

	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	71.7	65.2	66.4	65.3	67.3	69.8	77.4	77.5	73.1	74.3	67.7	64.9	70.0	
	HIGHEST DAILY MAXIMUM	91	76	88	83	73	73	85	84	84	91	84	78	91	
	DATE OF OCCURRENCE	31	01	30	08	21	29+	17	10	06	26	19	18	OCT 26	
	MEAN DAILY MINIMUM	52.5	50.9	51.9	51.3	54.9	60.4	65.5	64.5	62.4	60.5	51.5	48.6	56.2	
	LOWEST DAILY MINIMUM	45	45	46	46	50	59	61	61	60	16	43	39	16	
	DATE OF OCCURRENCE	01	09+	05	04	10	30+	09	05	16+	08	23	28	OCT 08	
	AVERAGE DRY BULB	62.1	58.1	59.2	58.3	61.1	65.1	71.5	71.0	67.8	67.4	59.6	56.8	63.2	
	MEAN WET BULB	54.9	52.6	54.0	53.6	56.6	60.4	66.2	64.5	63.3	62.0	53.6	50.8	57.7	
	MEAN DEW POINT	48.8	46.6	49.3	49.8	53.7	57.8	63.7	61.3	61.1	59.1	47.9	44.4	53.6	
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 90°	1	0	0	0	0	0	0	0	0	1	0	0	0	2
	MAXIMUM ≤ 32°	0	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	0	0	0	
MINIMUM ≤ 0°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
H/C	HEATING DEGREE DAYS	117	188	192	200	112	8	0	0	0	12	160	249	1238	
	COOLING DEGREE DAYS	33	1	19	6	1	18	210	193	89	94	6	1	671	
RH	MEAN (PERCENT)	69	72	74	75	80	81	80	75	84	80	70	69	76	
	HOUR 04 LST	75	77	81	84	90	88	88	86	92	87	77	74	83	
	HOUR 10 LST	59	62	64	63	70	75	71	66	75	66	56	59	66	
	HOUR 16 LST	63	66	69	70	73	74	73	65	79	75	68	68	70	
	HOUR 22 LST	76	75	77	82	85	85	86	80	89	88	76	75	81	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	6	1	2	0	7	0	0	2	6	6	0	4	34	
	THUNDERSTORMS	0	0	0	0	0	0	0	0	0	0	1	0	1	
CLOUDINESS	SUNRISE-SUNSET: (OKTAS)														
	CEILOMETER (≤ 12,000 FT.)														
	SATELLITE (> 12,000 FT.)														
	MIDNIGHT-MIDNIGHT: (OKTAS)														
	CEILOMETER (≤ 12,000 FT.)														
	SATELLITE (> 12,000 FT.)														
NUMBER OF DAYS WITH:															
CLEAR															
PARTLY CLOUDY															
CLOUDY															
PR	MEAN STATION PRESS. (IN.)	29.75	29.62	29.65	29.66	29.60	29.54	29.57	29.58	29.54	29.57	29.70	29.74	29.63	
	MEAN SEA-LEVEL PRESS. (IN.)	30.10	29.97	30.00	30.00	29.95	29.89	29.92	29.92	29.88	29.92	30.05	30.09	29.97	
WINDS	RESULTANT SPEED (MPH)	1.1	1.0	3.5	6.6	5.9	6.4	5.5	5.3	4.8	3.5	2.0	1.0	3.7	
	RES. DIR. (TENS OF DEGS.)	29	29	27	26	26	26	25	24	25	25	29	33	26	
	MEAN SPEED (MPH)	5.7	8.2	7.8	10.0	8.1	7.9	7.5	7.2	7.0	6.1	6.3	6.3	7.3	
	PREVAIL. DIR. (TENS OF DEGS.)	27	27	27	26	26	26	26	25	25	25	25	07	26	
	MAXIMUM 2-MINUTE WIND:														
	SPEED (MPH)	25	29	36	31	35	20	28	23	23	18	28	43	43	
	DIR. (TENS OF DEGS.)	02	35	35	26	27	27	27	25	24	27	33	26	26	
	DATE OF OCCURRENCE	06	19	27	02	09	06	16	04	25	30	22	25	DEC 25	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	33	37	48	35	39	25	31	26	25	24	36	47	48	
DIR. (TENS OF DEGS.)	04	34	33	26	27	29	27	26	25	18	33	26	33		
DATE OF OCCURRENCE	06	19	27	02	09	13	16	04	25+	31	22	25	MAR 27		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	T	3.78	1.66	0.49	0.95	T	0.02	T	0.00	0.71	0.80	1.14	9.55	
	GREATEST 24-HOUR (IN.)	T	2.21	1.49	0.46	0.89	T	0.02	T	0.00	0.71	0.56	0.83	2.21	
	DATE OF OCCURRENCE	09+	11-12	15	14	02-03	21+	28	26		31	12	24-25	FEB 11-12	
	NUMBER OF DAYS WITH:														
	PRECIPITATION ≥ 0.01	0	6	2	2	3	0	1	0	0	1	5	5	25	
PRECIPITATION ≥ 0.10	0	6	2	1	2	0	0	0	0	1	2	3	17		
PRECIPITATION ≥ 1.00	0	1	1	0	0	0	0	0	0	0	0	0	2		
SNOWFALL	SNOW, ICE PELLETS, HAIL:														
	TOTAL (IN.)														
	GREATEST 24-HOUR (IN.)														
	DATE OF OCCURRENCE														
	MAXIMUM SNOW DEPTH (IN.)														
	DATE OF OCCURRENCE														
NUMBER OF DAYS WITH:															
SNOWFALL ≥ 1.0															

# NORMALS, MEANS, AND EXTREMES

LOS ANGELES, CA (LAX)

LATITUDE: 33° 56' 17" N      LONGITUDE: 118° 24' 20" W      ELEVATION (FT): GRND: 323      BARO: 326      TIME ZONE: PACIFIC (UTC + 8)      WBAN: 23174

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	65.6	65.8	65.3	68.0	69.3	72.6	75.3	76.8	76.5	74.3	70.4	66.7	70.6
	MEAN DAILY MAXIMUM	57	64.9	65.5	65.3	67.5	69.3	72.1	75.3	76.5	76.2	73.9	70.3	66.2	70.3
	HIGHEST DAILY MAXIMUM	68	91	92	95	102	97	104	97	98	110	106	101	94	110
	YEAR OF OCCURRENCE		2003	1963	1988	1989	1979	1981	1985	1955	1963	1961	1966	1958	SEP 1963
	MEAN OF EXTREME MAXS.	57	80.2	79.9	79.0	81.5	80.3	81.5	83.9	85.8	90.4	90.8	85.2	80.3	83.2
	NORMAL DAILY MINIMUM	30	48.6	50.1	51.3	53.6	56.9	60.1	63.3	64.5	63.6	59.4	52.7	48.5	56.1
	MEAN DAILY MINIMUM	57	47.4	49.0	50.3	53.0	56.3	59.6	62.7	63.9	62.7	58.7	52.3	48.0	55.3
	LOWEST DAILY MINIMUM	68	23	32	34	39	43	48	49	51	47	16	34	32	16
	YEAR OF OCCURRENCE		1937	1942	1939	1942	1938	1950	1942	1948	1948	2003	1939	1968	OCT 2003
	MEAN OF EXTREME MINS.	57	38.7	41.9	43.2	46.6	51.0	54.9	58.7	59.7	57.5	51.2	44.1	39.8	48.9
	NORMAL DRY BULB	30	57.1	58.0	58.3	60.8	63.1	66.4	69.3	70.7	70.1	66.9	61.6	57.6	63.3
	MEAN DRY BULB	57	56.1	57.2	57.9	60.2	62.8	65.8	69.0	70.3	69.5	66.2	61.4	57.0	62.8
	MEAN WET BULB	20	50.5	51.5	53.4	55.2	57.9	60.7	63.8	64.4	63.5	59.9	53.8	49.6	57.0
	MEAN DEW POINT	20	43.4	45.3	48.6	50.5	54.4	57.3	61.0	61.4	60.2	55.5	46.4	40.9	52.1
	NORMAL NO. DAYS WITH:														
MAXIMUM ≥ 90°	30	0.0	*	0.1	0.3	0.1	0.5	0.2	0.5	1.5	1.3	0.5	*	5.0	
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	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 ≤ 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	252	205	200	141	78	19	1	0	2	21	121	234	1274
	NORMAL COOLING DEG. DAYS	30	4	6	6	15	19	58	135	175	154	81	22	4	679
RH	NORMAL (PERCENT)	30	66	70	73	72	76	76	77	77	76	72	64	62	72
	HOUR 04 LST	30	73	77	81	81	84	86	87	86	85	80	72	68	80
	HOUR 10 LST	30	58	61	63	61	67	68	68	67	65	59	52	52	62
	HOUR 16 LST	30	62	65	68	65	68	68	68	69	68	66	61	58	66
	HOUR 22 LST	30	71	74	77	76	81	82	83	83	81	78	70	67	77
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	71	4.2	3.2	3.0	2.3	1.4	1.4	1.6	2.2	3.3	4.2	4.4	4.5	35.7
	THUNDERSTORMS	61	0.4	0.5	0.9	0.4	0.1	0.1	0.2	0.3	0.4	0.3	0.3	0.3	4.2
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)	48	4.2	4.2	4.2	3.8	4.1	3.9	3.2	2.9	3.3	3.5	3.5	3.8	3.7
	MIDNIGHT-MIDNIGHT (OKTAS)	32	3.9	4.2	4.0	3.5	4.2	4.1	3.6	3.3	3.6	3.6	3.4	3.6	3.7
	MEAN NO. DAYS WITH:														
CLEAR	62	12.0	11.0	11.5	11.4	10.4	9.9	12.4	13.8	13.2	13.0	14.4	12.7	145.7	
PARTLY CLOUDY	62	8.0	6.5	8.7	9.2	10.8	11.3	12.9	11.7	10.3	9.8	7.7	8.3	115.2	
CLOUDY	62	10.9	10.7	10.8	9.3	9.8	8.9	5.2	5.0	6.1	7.8	7.5	9.6	101.6	
PR	MEAN STATION PRESSURE (IN)	31	29.94	29.92	29.87	29.84	29.80	29.78	29.79	29.78	29.78	29.83	29.89	29.93	29.85
	MEAN SEA-LEVEL PRES. (IN)	19	30.07	30.05	30.02	29.96	29.94	29.91	29.93	29.92	29.90	29.96	30.03	30.07	29.98
WINDS	MEAN SPEED (MPH)	55	6.7	7.4	8.2	8.5	8.4	8.0	7.8	7.8	7.3	7.0	6.8	6.6	7.5
	PREVAIL. DIR (TENS OF DEGS)	40	25	26	25	25	25	25	25	25	25	25	26	26	25
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	6	28	37	38	45	35	28	28	24	23	26	35	43	45
	DIR. (TENS OF DEGS)		26	26	27	26	27	25	27	27	24	25	24	26	26
	YEAR OF OCCURRENCE		2000	1998	1998	1999	2003	2000	2003	2001	2003	2000	2001	2003	APR 1999
MAXIMUM 5-SECOND:															
SPEED (MPH)	6	33	43	48	53	39	32	31	28	31	30	46	47	53	
DIR. (TENS OF DEGS)		04	26	33	26	27	26	27	27	22	26	33	26	26	
YEAR OF OCCURRENCE		2003	1998	2003	1999	2003	1998	2003	2001	1999	2000	1999	2003	APR 1999	
PRECIPITATION	NORMAL (IN)	30	2.98	3.11	2.40	0.63	0.24	0.08	0.03	0.14	0.26	0.36	1.13	1.79	13.15
	MAXIMUM MONTHLY (IN)	68	12.71	13.79	6.37	4.52	2.55	0.74	0.32	2.47	4.39	2.34	7.92	6.57	13.79
	YEAR OF OCCURRENCE		1995	1998	1983	1965	1977	1993	1992	1977	1939	1936	1946	1936	FEB 1998
	MINIMUM MONTHLY (IN)	68	0.00	T	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		1976	1964	1959	1979	1943	1978	1983	1981	1968	1969	1980	1990	DEC 1990
	MAXIMUM IN 24 HOURS (IN)	68	6.19	4.16	3.54	1.88	1.72	0.74	0.28	2.40	4.20	1.77	5.60	3.01	6.19
	YEAR OF OCCURRENCE		1956	1962	1968	1960	1977	1993	1992	1977	1939	1972	1967	1951	JAN 1956
NORMAL NO. DAYS WITH:															
PRECIPITATION ≥ 0.01	30	6.4	6.3	6.5	2.6	1.3	0.5	0.4	0.5	1.2	2.0	3.1	4.7	35.5	
PRECIPITATION ≥ 1.00	30	1.0	0.9	0.5	0.1	*	0.0	0.0	0.1	0.1	0.1	0.3	0.5	3.6	
SNOWFALL	NORMAL (IN)	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
	MAXIMUM MONTHLY (IN)	62	T	T	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	T
	YEAR OF OCCURRENCE		1982	1951	1991									1971	MAR 1991
	MAXIMUM IN 24 HOURS (IN)	62	T	T	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	T
	YEAR OF OCCURRENCE		1982	1951	1991									1971	MAR 1991
	MAXIMUM SNOW DEPTH (IN)	51	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR OF OCCURRENCE															
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	0.0	0.0	

PRECIPITATION (inches) 2003 LOS ANGELES, CALIFORNIA CA (LAX)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1974	5.68	0.13	2.49	0.14	0.02	T	T	T	T	0.54	T	3.76	12.76
1975	0.01	3.21	2.98	0.74	0.04	T	T	T	T	0.24	T	0.10	7.32
1976	0.00	2.15	0.83	0.77	T	0.28	0.02	0.03	1.85	1.50	0.87	0.95	9.25
1977	3.21	0.26	1.23	T	2.55	T	0.00	2.47	T	0.04	0.04	3.92	13.68
1978	7.48	7.66	5.75	1.23	T	0.00	0.00	T	0.39	0.04	1.20	0.83	24.58
1979	5.26	2.53	4.74	0.00	T	T	0.00	T	0.04	0.31	0.22	0.42	13.52
1980	6.97	9.13	3.69	0.17	0.07	T	0.00	0.00	T	T	0.00	1.57	21.60
1981	1.51	1.58	3.24	0.46	T	T	0.00	0.00	0.05	0.40	2.63	1.52	11.39
1982	2.78	0.66	3.41	1.61	0.11	0.01	0.00	T	0.78	0.18	3.48	0.66	13.68
1983	5.25	5.64	6.37	3.18	0.04	0.03	0.00	1.25	1.91	0.94	2.74	2.11	29.46
1984	0.39	0.01	0.14	1.16	T	T	0.00	0.29	0.09	0.28	1.24	4.21	7.81
1985	0.70	1.91	0.72	T	0.16	0.00	T	0.00	0.28	0.36	4.75	0.44	9.32
1986	2.31	5.36	4.89	0.30	0.00	T	0.09	T	1.44	0.10	1.14	0.30	15.93
1987	1.27	0.64	0.92	0.02	T	0.09	0.08	T	0.08	1.74	0.60	1.79	7.23
1988	1.61	1.79	0.08	1.14	T	T	0.00	0.02	0.07	T	0.73	2.52	7.96
1989	0.59	1.72	0.86	T	0.04	T	T	T	0.26	0.34	0.38	0.00	4.19
1990	1.18	2.60	0.14	0.34	0.83	T	0.00	0.02	T	0.00	0.10	0.03	5.24
1991	1.38	2.53	3.96	T	T	T	0.17	T	0.09	0.06	T	2.86	11.05
1992	1.61	4.70	5.08	0.18	0.04	T	0.32	0.00	0.00	0.50	0.00	4.16	16.59
1993	10.63	5.48	1.83	0.00	T	0.74	T	0.00	T	0.09	0.93	0.97	20.67
1994	0.33	4.36	1.01	0.44	0.08	0.00	T	T	0.00	0.14	0.66	1.05	8.07
1995	12.71	0.62	5.67	0.74	0.61	0.60	0.06	0.00	T	0.01	0.10	2.16	23.28
1996	1.94	4.19	1.36	0.42	0.05	0.00	T	0.00	0.00	1.46	1.93	4.74	16.09
1997	5.12	0.05	T	T	T	0.00	T	T	0.27	T	2.66	3.93	12.03
1998	3.71	13.79	3.37	1.00	2.46	0.09	0.00	T	0.01	T	1.89	0.74	27.06
1999	1.19	0.50	2.12	2.23	T	0.59	T	0.00	0.00	0.00	0.28	T	6.91
2000	0.85	4.71	2.39	1.88	T	0.00	0.00	0.03	0.03	1.12	0.00	T	11.01
2001	4.68	7.30	1.29	1.10	0.01	T	T	0.00	0.00	0.04	1.34	1.25	17.01
2002	0.73	0.35	0.27	0.02	0.11	0.05	0.00	T	0.08	0.05	1.60	1.77	5.03
2003	T	3.78	1.66	0.49	0.95	T	0.02	T	0.00	0.71	0.80	1.14	9.55
POR= 68 YRS	2.73	2.67	1.98	0.81	0.19	0.06	0.02	0.09	0.18	0.32	1.48	1.73	12.26

WBAN : 23174

AVERAGE TEMPERATURE (°F) 2003 LOS ANGELES, CALIFORNIA CA (LAX)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1974	54.3	57.5	56.6	59.7	62.9	66.7	70.5	69.6	69.0	65.9	62.7	55.8	62.6
1975	56.9	55.6	55.7	56.7	61.1	64.5	68.9	68.3	70.2	65.5	60.6	57.7	61.8
1976	60.0	57.9	58.4	58.0	63.3	68.0	70.1	69.3	70.4	69.2	65.9	60.1	64.2
1977	57.6	60.6	56.0	61.1	61.2	65.1	68.6	70.9	68.7	66.2	64.7	60.9	63.5
1978	58.6	58.3	62.1	59.2	65.5	67.6	67.7	69.8	73.6	68.3	59.0	54.3	63.7
1979	54.6	54.2	57.5	60.2	63.6	69.2	68.4	71.0	73.8	66.1	61.1	60.6	63.4
1980	59.7	61.3	58.3	60.6	60.1	65.7	68.7	70.9	67.0	66.2	62.4	60.2	63.4
1981	59.5	60.6	58.1	61.2	64.8	71.9	71.7	71.3	69.6	65.3	62.1	59.4	64.6
1982	54.6	59.1	57.6	60.2	62.5	63.6	69.3	71.4	71.6	69.2	61.2	56.3	63.1
1983	58.9	57.4	57.8	59.2	62.5	65.4	69.6	73.6	72.4	69.5	61.0	57.1	63.7
1984	58.2	58.5	61.3	61.4	66.1	67.1	71.3	73.1	76.5	65.6	58.7	55.2	64.4
1985	55.5	56.6	55.2	60.7	61.2	66.0	71.4	69.9	68.7	67.1	58.6	59.1	62.5
1986	62.3	58.7	59.2	61.7	63.4	66.3	68.5	68.9	65.8	66.4	65.0	58.4	63.7
1987	55.0	58.3	58.9	63.1	64.2	64.7	66.3	67.7	69.6	69.0	61.9	53.9	62.7
1988	56.7	60.6	62.5	61.3	63.0	63.6	69.2	68.3	67.7	66.1	60.1	56.5	63.0
1989	55.4	54.8	58.9	64.7	62.5	65.2	69.4	67.7	68.3	65.9	65.1	60.5	63.2
1990	57.1	55.0	57.5	62.5	62.7	67.5	71.4	69.7	71.0	69.6	64.2	56.8	63.8
1991	57.2	59.9	55.0	61.0	60.3	63.9	67.0	69.0	67.8	67.3	63.4	58.7	62.5
1992	58.4	60.8	59.2	65.6	66.1	65.9	71.5	72.9	70.7	67.0	63.7	55.8	64.8
1993	56.2	57.0	60.5	62.8	65.1	68.3	69.5	69.5	69.0	68.4	63.6	58.4	64.0
1994	59.2	57.0	60.7	60.2	62.0	68.3	67.9	74.7	70.7	66.9	57.9	57.5	63.6
1995	56.8	61.7	60.1	60.5	60.3	64.4	68.2	68.9	70.7	67.3	62.9	58.9	63.4
1996	58.2	58.3	60.1	64.2	65.9	67.3	69.5	73.3	69.1	63.9	62.1	58.2	64.2
1997	57.3	58.7	59.9	61.8	67.6	68.8	69.4	72.9	74.7	68.6	63.2	56.9	65.0
1998	56.2	55.1	58.0	57.3	61.0	64.7	69.6	72.1	70.4	65.7	59.7	55.6	62.1
1999	57.2	56.5	55.7	58.4	63.4	65.0	70.4	68.8	67.8	68.1	60.6	59.2	62.6
2000	58.4	57.8	57.9	61.0	64.3	68.0	68.7	70.8	69.7	63.7	58.1	58.4	63.1
2001	54.9	54.2	57.8	57.1	64.0	67.4	67.9	68.4	67.9	65.2	60.6	55.6	61.8
2002	55.4	58.9	58.0	58.9	61.8	65.7	68.5	67.6	67.6	62.8	63.8	56.3	62.1
2003	62.1	58.1	59.2	58.3	61.1	65.1	71.5	71.0	67.8	67.4	59.6	56.8	63.2
POR= 67 YRS	55.7	56.7	57.5	60.0	62.5	65.5	68.6	69.9	69.1	65.9	61.0	56.9	62.4

HEATING DEGREE DAYS (base 65°F) 2003 LOS ANGELES, CALIFORNIA CA (LAX)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1974-75	0	0	0	26	100	279	258	258	278	243	117	23	1582
1975-76	0	0	0	31	145	226	176	202	206	205	49	15	1255
1976-77	0	0	0	5	62	145	227	129	272	111	115	13	1079
1977-78	1	0	0	19	62	120	195	184	116	168	46	3	914
1978-79	1	0	0	5	179	326	316	295	237	137	74	1	1571
1979-80	0	0	0	18	121	150	161	113	203	143	141	34	1084
1980-81	1	0	3	27	77	158	164	147	207	134	29	0	947
1981-82	0	0	0	36	112	172	314	165	225	147	75	45	1291
1982-83	0	0	0	3	119	261	203	205	218	167	80	23	1279
1983-84	0	0	0	0	129	237	206	182	116	117	22	0	1009
1984-85	0	0	0	29	183	299	287	243	296	148	115	14	1614
1985-86	0	0	1	17	192	181	107	184	182	114	52	7	1037
1986-87	0	0	21	15	34	199	306	189	190	84	44	19	1101
1987-88	1	1	0	6	111	337	257	137	127	118	72	61	1228
1988-89	0	0	5	16	145	265	294	291	189	80	72	25	1382
1989-90	0	2	2	15	44	152	237	275	223	74	82	5	1111
1990-91	0	0	0	1	62	261	236	145	303	130	145	41	1324
1991-92	0	0	0	29	79	190	202	130	172	25	0	3	830
1992-93	0	0	0	2	67	277	269	216	147	69	23	10	1080
1993-94	0	0	0	3	59	199	181	217	142	144	88	1	1034
1994-95	0	0	0	15	207	226	249	125	147	135	138	37	1279
1995-96	0	0	0	8	66	182	216	194	149	65	19	4	903
1996-97	4	0	0	43	119	204	234	174	169	114	1	0	1062
1997-98	0	0	0	9	103	246	265	269	212	225	116	20	1465
1998-99	0	0	0	18	151	290	235	231	280	210	48	30	1493
1999-00	0	0	2	20	131	172	200	207	214	121	39	1	1107
2000-01	0	0	0	59	200	198	307	306	217	236	39	0	1562
2001-02	0	0	1	22	125	286	288	180	208	176	101	8	1395
2002-03	0	0	9	79	78	261	117	188	192	200	112	8	1244
2003-	0	0	0	12	160	249							

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COOLING DEGREE DAYS (base 65°F) 2003 LOS ANGELES, CALIFORNIA CA (LAX)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1974	0	3	0	2	5	58	179	150	125	65	40	0	627
1975	13	0	0	0	0	14	128	108	163	51	21	7	505
1976	29	2	7	1	1	111	163	141	167	143	96	3	864
1977	3	13	0	1	0	23	121	193	118	63	62	5	602
1978	0	3	32	0	70	86	92	159	266	115	4	0	827
1979	0	0	9	0	35	133	112	193	271	60	9	23	845
1980	3	9	0	15	0	62	124	190	70	71	9	15	568
1981	0	30	0	25	29	212	214	204	145	53	31	4	947
1982	0	3	1	10	6	7	144	204	205	140	15	0	735
1983	22	0	0	1	11	40	151	274	231	146	17	0	893
1984	4	0	8	14	61	69	202	257	352	54	0	1	1022
1985	0	14	0	25	2	51	203	160	118	91	6	6	676
1986	29	11	9	24	9	52	115	124	52	64	40	2	531
1987	3	11	9	34	27	17	47	94	148	136	22	0	548
1988	9	16	56	14	17	26	134	109	91	56	1	8	537
1989	5	12	6	80	2	34	145	93	105	48	55	18	603
1990	1	1	1	5	16	86	204	151	187	147	43	13	855
1991	1	4	0	17	9	13	70	129	92	107	37	2	481
1992	5	14	0	50	43	36	207	250	177	73	31	0	886
1993	4	0	13	12	32	116	148	147	128	114	23	5	742
1994	7	0	18	6	4	105	94	310	176	81	2	2	805
1995	3	37	0	7	0	24	108	130	176	87	6	0	578
1996	12	9	5	47	53	81	150	265	131	15	39	0	807
1997	0	5	16	25	86	121	143	252	298	130	56	2	1134
1998	0	0	1	0	0	18	150	227	171	42	0	3	612
1999	0	1	0	17	5	35	176	124	94	121	4	0	577
2000	4	3	2	7	23	98	118	182	146	25	2	2	612
2001	4	9	0	5	11	80	94	110	95	34	2	2	446
2002	0	15	0	0	9	33	115	87	92	18	49	0	418
2003	33	1	19	6	1	18	210	193	89	94	6	1	671

SNOWFALL (inches) 2003 LOS ANGELES, CALIFORNIA CA (LAX)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1974-75	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
1975-76	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
1976-77	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
1977-78	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
1978-79	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
1979-80	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
1980-81	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
1981-82	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
1982-83	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
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1985-86	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
1986-87	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
1987-88	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
1988-89	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
1989-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	T
1990-91	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	T
1991-92	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
1992-93	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
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1995-96	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
1996-97	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
1997-98													
1998-99													
1999-00													
2000-01													
2001-02													
2002-03													
2003-													
POR= 60 YRS	0.0	0.0	0.0	0.0	0.0	T	T	T	T	0.0	0.0	0.0	T

WBAN : 23174

REFERENCE NOTES:

<p>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).</p> <p>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).</p> <p>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. NORMALS ARE 30-YEAR AVERAGES (1971 - 2000). 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 AND ON SATELLITE DATA FOR CLOUDS ABOVE 12,000 FEET. THE NUMBER OF DAYS WITH CLEAR, PARTLY CLOUDY, AND CLOUDY CONDITIONS FOR ASOS STATIONS IS THE SUM OF THE CEILOMETER AND SATELLITE DATA FOR THE SUNRISE TO SUNSET PERIOD.</p>	<p>GENERAL CONTINUED: CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS. WHEN AT LEAST ONE OF THE ELEMENTS (CEILOMETER OR SATELLITE) IS MISSING, THE DAILY CLOUDINESS IS NOT COMPUTED. 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.</p> <p>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.</p>
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2003  
LOS ANGELES, CALIFORNIA  
INTERNATIONAL AIRPORT (LAX)

Predominating influences on the climate of the Los Angeles International Airport are the Pacific Ocean, 3 miles to the west, the southern California coastal mountain ranges which line the inland side of the coastal plain surrounding the airport, and the large scale weather patterns which allow Pacific storm paths to extend as far south as the Los Angeles area only during late fall, winter, and early spring. Marine air covers the coastal plain most of the year but air from the interior reaches the coast at times, especially during the fall and winter months. The coast ranges act as a buffer to the more extreme conditions of the interior. Pronounced differences in temperature, humidity, cloudiness, fog, sunshine, and rain occur over fairly short distances on the coastal plains and the adjoining foothills due to the local topography and the decreased marine effect further inland. In general, temperature ranges are least and humidity highest close to the coast, while precipitation increases with elevation on the foothills.

The most characteristic feature of the climate of the coastal plain around the station is the night and morning low cloudiness and sunny afternoons which prevail during the spring and summer months and occur often during the remainder of the year. The coastal low cloudiness, combined with the westerly sea breeze, produces mild temperatures throughout the year. Daily temperature range is usually less than 15 degrees in spring and summer and about 20 degrees in fall and winter. Hot weather is not frequent at any season along the coast, although readings have exceeded the mid 80s at the airport every month of the year. When high temperatures do occur, the humidity is almost always low so that discomfort is unusual. Nighttime temperatures are generally cool but minimum temperatures below 40 degrees are rare and periods of over 10 years have passed with no readings below freezing at the airport. Prevailing daytime winds are from the west, but night and early morning breezes are usually light and from the east and northeast. Strongest winds observed at the station have been from the west and north following winter storms. During the fall, winter, and spring, gusty dry northeasterly Santa Ana winds blow over southern California mountains and through passes to the coast. These winds rarely reach L.A. International Airport but extremely dry air and dust clouds associated with them can be expected several times each year.

Precipitation occurs mainly in the winter. Measurable rain may fall on about one day in four from late October into early April, but in three years out of four, traces or less are reported for the entire months of July and August. Thunderstorms do not occur often near the coast, but showers and thunderstorms are observed over the coastal ranges at times during the summer when moist air from the south and southeast invades southern California. Annual rainfall at Los Angeles International Airport is somewhat less than that recorded on the Palos Verdes Hills, rising to an elevation of nearly 1,500 feet on a peninsula 12 miles to the south, and on the Hollywood Hills and Santa Monica Mountains which extend east-west 12 miles north of the station with peaks reaching to nearly 2,000 feet. Traces of snow have fallen at Los Angeles International Airport only a few times, melting as they fell.

Visibility at Los Angeles International Airport is frequently restricted by haze, fog, or smoke. Low visibilities are favored by a layer of moist marine air with warm dry air above and light winds but at times a moderate afternoon sea breeze will bring a fog bank ashore and over the airport. Light fog occurs at some time nearly every month, but heavy fog is observed least during the summer and can be expected on about one night or early morning in four during the winter.

# STATION LOCATION

LOS ANGELES, CALIFORNIA  
INTERNATIONAL AIRPORT

LOCATION	Occupied From	Occupied To	Airline Distances and Directions from previous Location	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE										AUTOMATIC OBSERVING EQUIPMENT *	* TYPE  M = AMOS T = AUTOB S = ASOS W = AWOS	REMARKS
						SEA LEVEL		GROUND										
						GROUND	TEMPERATURE	WIND INSTRUMENT	EXTREME THERMOMETERS	PSYCHROMETER	SUNSHINE SWITCH	TIPPING BUCKET	RAIN GAUGE	WINDHOLE GAUGE	8 INCH RAIN GAUGE			
<b>*NOTE:</b>																		
<u>AIRPORT</u>																		
International Airport 10445 S Sepulveda Blvd.	6/21/68	4/11/72	3/4 mi. W	33°56'	118°24'	97	a20	s19	s19			16				a5	a. Same site as prior to 6/21/68.	
Weather Service Bldg. International Airport 10445 S Sepulveda Blvd.	4/11/72	03/01/97	90 ft. N	33°56'	118°24'	97	b20 d30	s5	s5		4	c6	c4	b5 e5 f5			b. Same site as prior to 4/11/72. s. Standby status. c. Added 11/26/74. d. Raised 10/31/79. e. Type change 10/1/79. f. Type change 11/6/85.	
International Airport	03/01/97	Present	NA	33°56'	118°24'	g323										S	ASOS Commissioned 03/01/97 g. Ground elevation.	

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\* NOTES: For earlier station history see previous editions.