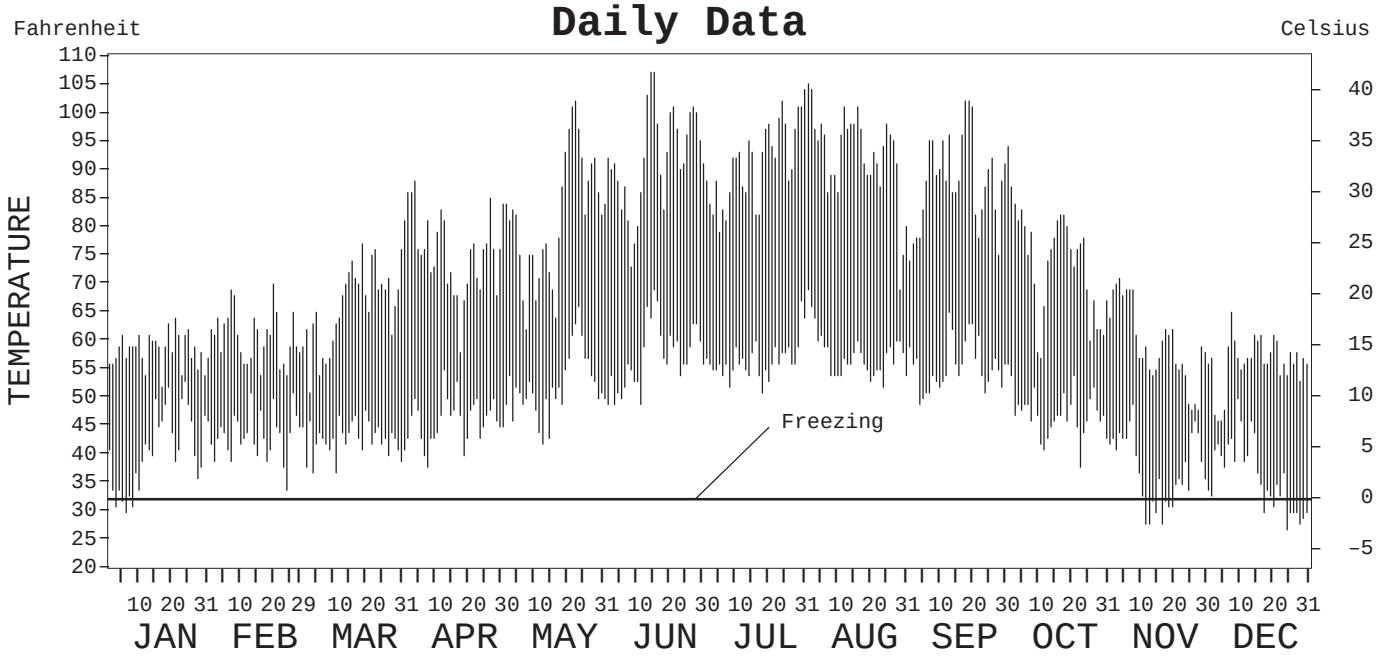
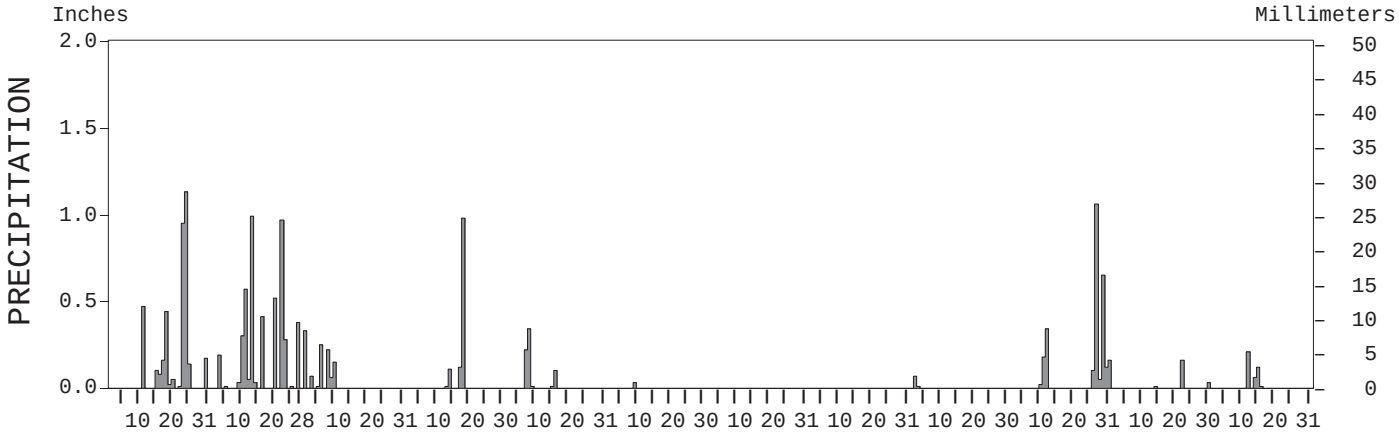
2000 LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA

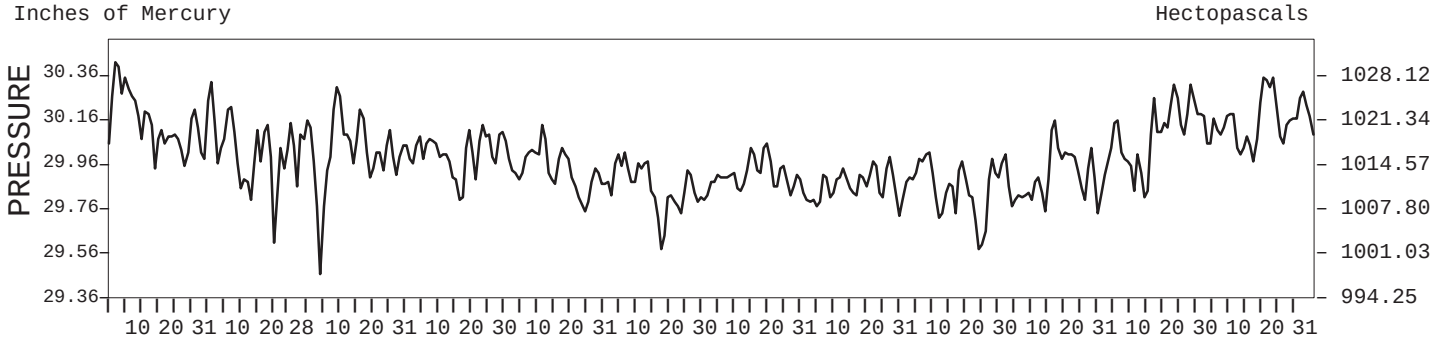
ISSN 0198-1013

STOCKTON,
CALIFORNIA (SCK)

Daily Data







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Thomas R. Karl

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE, NORTH CAROLINA

DIRECTOR NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2000

STOCKTON, CA (SCK)

LATITUDE: 37° 53′ 39″ N LONGITUDE: 121° 14′ 14″ W ELEVATION (FT): GRND: 34 BARO: 34 TIME ZONE: PACIFIC (UTC + 8) WBAN: 23237

	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	MEAN DAILY MAXIMUM	58.4	60.7	66.8	75.5	81.7	92.1	91.2	92.6	87.9	74.0	59.4	56.2	74.7
	HIGHEST DAILY MAXIMUM	64	70	81	88	102	107	104	105	102	94	71	65	107
	DATE OF OCCURRENCE	21	20	31	03	22	15+	31	01	19+	01	04	08	JUN 15+
	MEAN DAILY MINIMUM	41.0	43.5	42.7	46.2	52.3	57.2	56.6	57.5	55.6	47.3	37.5	36.3	47.8
	LOWEST DAILY MINIMUM	30	34	37	38	42	49	51	52	49	38	28	27	27
	DATE OF OCCURRENCE	06	24	10+	07	12	11+	18	24	04	23	17+	25	DEC 25
	AVERAGE DRY BULB	49.7	52.1	54.8	60.9	67.0	74.7	73.9	75.1	71.8	60.7	48.5	46.3	61.3
	MEAN WET BULB	46.6	49.2	48.8	53.5	58.3	61.6	61.8	62.0	61.1		44.4	43.3	
	MEAN DEW POINT	44.1	46.9	42.8	47.4	52.0	52.8	54.1	53.4	54.2		40.9	41.3	
	NUMBER OF DAYS WITH:													
	MAXIMUM ≥ 90°	0	0	0	0	8	20	18	21	12	1	0	0	80
	MAXIMUM ≤ 32°	0	0	0	0	0	0	0	0	0	0	0	0	0
	MINIMUM ≤ 32°	4	0	0	0	0	0	0	0	0	0	8	9	21
	MINIMUM ≤ 0°	0	0	0	0	0	0	0	0	0	0	0	0	0
H/C	HEATING DEGREE DAYS	469	369	312	129	61	1	0	0	1	145	489	574	2550
	COOLING DEGREE DAYS	0	0	0	11	130	300	285	321	211	20	0	0	1278
RH	MEAN (PERCENT)	85	85	69	65	65	51	55	52	59	72	80	88	69
	HOUR 04 LST	93	93	86	83	79	77	79	76	83	90	93	97	86
	HOUR 10 LST	85	83	64	55	59	41	47	45	52	66	79	90	64
	HOUR 16 LST	70	69	49	47	52	30	33	29	37	49	60	68	49
	HOUR 22 LST	90	90	74	70	68	58	59	55	65	77	86	93	74
S	PERCENT POSSIBLE SUNSHINE													
W/O	NUMBER OF DAYS WITH:													
	HEAVY FOG(VISBY ≤ 1/4 MI)	8	7	2	1	0	0	0	0	0	2	11	22	53
	THUNDERSTORMS	0	1	0	1	0	0	0	0	0	0	0	0	2
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.)	30.13	30.00	30.01	30.00	29.92	29.84	29.89	29.86	29.84	29.91	30.08	30.14	29.97
	MEAN SEA-LEVEL PRESS. (IN.)	30.17	30.03	30.04	30.03	29.95	29.87	29.93	29.89	29.88	29.94	30.12	30.17	30.00
WINDS	RESULTANT SPEED (MPH)	1.3	4.2	3.9	4.5	6.2	4.8	4.0	6.3	3.2	2.7	1.3	0.2	2.7
	RES. DIR. (TENS OF DEGS.)	17	16	31	29	29	30	30	31	31	31	30	11	30
	MEAN SPEED (MPH)	5.9	7.8	8.3	8.2	8.9	9.1	9.3	7.9	7.0	6.9	4.9	4.0	7.3
	PREVAIL.DIR.(TENS OF DEGS.)	15	15	33	29	27	31	29	32	30	30	34	12	29
	MAXIMUM 2-MINUTE WIND:													
	SPEED (MPH)	26	36	31	31	28	25	28	26	21	33	26	22	36
	DIR. (TENS OF DEGS.)	15	26	34	26	27	28	26	26	26	34	33	33	26
	DATE OF OCCURRENCE	30	14+	20	21	04	04	26	19	04	21	06	17	FEB 14+
	MAXIMUM 5-SECOND WIND:													
	SPEED (MPH)	32	43	38	37	32	30	33	31	25	40	36	25	43
	DIR. (TENS OF DEGS.)	16	25	34	17	25	28	26	26	31	33	34	35	25
	DATE OF OCCURRENCE	24	14+	20	16	04	04	26	19	05	21	06	17	FEB 14+
PRECIPITATION	WATER EQUIVALENT:													
	TOTAL (IN.)	3.72	5.07	0.76	1.22	0.68	0.03	0.00	T	0.08	2.68	0.20	0.40	14.84
	GREATEST 24-HOUR (IN.)	1.23	1.25	0.26	1.10	0.49	0.03	0.00	T	0.08	1.10	0.16	0.21	1.25
	DATE OF OCCURRENCE	23-24	22-23	04-05	16-17	06-07	08		30+	01-02	26-27	21	11	FEB 22-23
	NUMBER OF DAYS WITH:													
	PRECIPITATION ≥ 0.01	12	15	6	4	5	1	0	0	2	9	3	4	61
	PRECIPITATION ≥ 0.10	8	10	3	3	3	0	0	0	0	7	1	2	37
	PRECIPITATION ≥ 1.00	1	0	0	0	0	0	0	0	0	1	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

STOCKTON, CA (SCK)

LATITUDE: 37° 53′ 39″ N LONGITUDE: 121° 14′ 14″ W ELEVATION (FT): GRND: 34 BARO: 34 TIME ZONE: PACIFIC (UTC + 8) WBAN: 23237

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	53.0	60.7	65.5	72.9	81.6	89.1	94.4	92.9	87.9	78.3	63.4	52.8	74.4
	MEAN DAILY MAXIMUM	52	53.4	60.5	65.6	73.0	80.7	88.3	94.0	92.6	88.0	78.4	64.3	53.6	74.4
	HIGHEST DAILY MAXIMUM	41	71	78	87	100	107	111	114	109	108	101	84	72	114
	YEAR OF OCCURRENCE		1981	1977	1988	1981	1984	1961	1972	1998	1979	1980	1997	1987	JUL 1972
	MEAN OF EXTREME MAXS.	52	64.6	70.4	77.4	87.4	96.7	103.7	105.6	103.9	100.4	91.7	76.8	64.8	87.0
	NORMAL DAILY MINIMUM	30	37.0	40.3	42.6	45.7	51.8	57.5	60.9	60.7	57.5	50.8	42.7	37.1	48.7
	MEAN DAILY MINIMUM	52	37.7	40.6	42.6	46.2	51.6	56.9	60.5	60.0	57.2	50.4	42.2	37.3	48.6
	LOWEST DAILY MINIMUM	41	19	22	27	32	38	45	49	50	43	33	25	17	17
	YEAR OF OCCURRENCE		1963	1989	1971	1976	1964	1999	1999	1999	1982	1972	1985	1990	DEC 1990
	MEAN OF EXTREME MINS.	52	26.9	30.3	33.7	38.0	43.2	49.6	52.6	53.5	49.9	40.9	31.3	27.2	39.8
	NORMAL DRY BULB	30	45.0	50.5	54.1	59.3	66.7	73.3	77.7	76.8	72.7	64.6	53.0	45.0	61.6
	MEAN DRY BULB	52	45.7	50.6	54.2	59.6	66.2	72.6	77.3	76.3	72.6	64.3	53.3	45.4	61.5
	MEAN WET BULB	13	41.2	43.4	49.0	50.2	52.8	57.2	59.9	59.8	56.3	52.8	50.2	39.9	51.1
	MEAN DEW POINT	13	38.1	38.5	42.5	41.4	43.4	47.4	50.5	50.3	47.3	44.5	44.5	35.9	43.7
	NORMAL NO. DAYS WITH:														
	MAXIMUM ≥ 90°	30	0.0	0.0	0.0	0.9	7.0	14.4	23.9	21.7	13.3	2.7	0.0	0.0	83.9
	MAXIMUM ≤ 32°	30	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*	0.1
	MINIMUM ≤ 32°	30	8.7	2.9	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.6	8.6	22.7
	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	620	406	341	211	53	7	0	0	10	79	360	620	2707
	NORMAL COOLING DEG. DAYS	30	0	0	0	40	106	256	394	366	241	67	0	0	1470
RH	NORMAL (PERCENT)	30	84	78	70	61	53	49	46	48	52	60	76	84	63
	HOUR 04 LST	30	90	88	84	78	73	68	66	67	69	76	85	90	78
	HOUR 10 LST	30	87	79	67	54	44	42	41	44	48	57	76	86	60
	HOUR 16 LST	30	71	60	51	41	32	28	26	28	30	37	60	71	45
	HOUR 22 LST	30	86	82	75	69	61	56	51	52	57	64	79	86	68
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG(VISBY≤1/4 MI)	43	11.4	7.3	1.6	0.4	0.1	0.0	0.0	0.0	0.1	1.9	7.7	11.1	41.6
	THUNDERSTORMS	38	0.2	0.3	0.4	0.7	0.3	0.3	0.1	0.2	0.4	0.2	0.1	0.1	3.3
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)	46	5.8	5.2	4.6	3.9	2.8	1.8	1.0	1.1	1.5	2.6	4.5	5.6	3.4
	MIDNIGHT-MIDNIGHT (OKTAS)	21	5.4	4.6	3.9	3.2	2.1	1.7	1.0	1.1	1.5	2.3	4.3	5.1	3.0
	MEAN NO. DAYS WITH:														
	CLEAR	46	5.3	7.1	9.8	11.9	17.4	21.9	26.3	25.2	23.0	18.8	9.2	6.7	182.6
	PARTLY CLOUDY	46	6.3	6.5	8.6	8.7	8.4	5.7	3.2	3.8	4.3	5.9	8.5	6.5	76.4
	CLOUDY	46	19.3	14.7	12.7	9.5	5.1	2.5	0.9	1.4	2.2	5.7	12.3	17.8	104.1
PR	MEAN STATION PRESSURE(IN)	16	30.07	30.05	30.00	29.99	29.91	29.88	29.87	29.87	29.87	29.96	30.07	30.13	29.97
	MEAN SEA-LEVEL PRES. (IN)	12	30.17	30.11	30.05	30.03	29.97	29.91	29.92	29.92	29.90	30.00	30.10	30.16	30.02
WINDS	MEAN SPEED (MPH)	14	6.6	6.6	7.5	8.0	8.9	9.4	8.3	7.8	7.0	6.2	5.7	6.2	7.3
	PREVAIL.DIR(TENS OF DEGS)	8	14	14	29	29	27	27	30	29	30	30	14	14	30
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	4	40	41	31	37	30	34	31	28	31	33	39	37	41
	DIR. (TENS OF DEGS)		23	16	34	35	26	26	27	27	30	34	15	16	16
	YEAR OF OCCURRENCE		1998	1998	2000	1999	1999	1999	1999	1999	1997	2000	1998	1998	FEB 1998
	MAXIMUM 5-SECOND:														
	SPEED (MPH)	4	46	54	38	44	36	43	38	33	36	40	45	43	54
	DIR. (TENS OF DEGS)		22	16	34	35	26	26	27	27	31	33	15	16	16
	YEAR OF OCCURRENCE		1998	1998	2000	1999	1999	1999	1999	1999	1997	2000	1998	1998	FEB 1998
PRECIPITATION	NORMAL (IN)	30	2.84	1.97	2.17	1.08	0.26	0.08	0.06	0.07	0.35	0.79	2.17	2.11	13.95
	MAXIMUM MONTHLY (IN)	59	7.06	8.22	6.48	3.55	3.73	0.66	0.61	0.81	3.00	2.97	6.22	8.05	8.22
	YEAR OF OCCURRENCE		1967	1998	1982	1958	1998	1964	1974	1975	1959	1945	1972	1955	FEB 1998
	MINIMUM MONTHLY (IN)	59	0.14	0.05	T	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00
	YEAR OF OCCURRENCE		1976	1964	1956	1949	1982	1981	1983	1982	1980	1978	1995	1989	NOV 1995
	MAXIMUM IN 24 HOURS (IN)	59	3.01	2.28	1.71	1.54	1.66	0.53	0.57	0.81	2.64	1.88	2.23	3.01	3.01
	YEAR OF OCCURRENCE		1967	1945	1968	1958	1990	1964	1974	1975	1959	1991	1950	1955	JAN 1967
	NORMAL NO. DAYS WITH:														
	PRECIPITATION ≥ 0.01	30	8.5	8.0	8.6	5.4	1.9	0.8	0.4	0.5	1.3	3.3	7.4	8.3	54.4
	PRECIPITATION ≥ 1.00	30	0.6	0.3	0.3	0.2	*	0.0	0.0	0.0	0.1	0.1	0.3	0.2	2.1
SNOWFALL	NORMAL (IN)	30	0.0	0.*	T	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0
	MAXIMUM MONTHLY (IN)	42	0.0	0.3	T	T	T	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3
	YEAR OF OCCURRENCE			1976	1995	1970	1994							1988	FEB 1976
	MAXIMUM IN 24 HOURS (IN)	42	0.0	0.3	T	T	T	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3
	YEAR OF OCCURRENCE			1976	1995	1970	1994							1988	FEB 1976
	MAXIMUM SNOW DEPTH (IN)	47	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) 2000 STOCKTON, CA (SCK)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1971	0.95	0.83	1.88	0.98	0.86	0.01	0.00	0.00	0.19	0.28	0.81	3.82	10.61
1972	0.69	0.70	0.07	0.57	0.11	0.15	0.00	0.00	0.66	0.74	6.22	2.38	12.29
1973	6.31	4.19	3.18	0.23	0.04	T	0.00	0.00	0.08	2.08	3.66	3.87	23.64
1974	1.73	0.74	2.59	2.79	0.00	0.34	0.61	0.00	0.00	0.97	0.78	2.15	12.70
1975	0.93	2.15	3.08	0.74	0.00	T	0.02	0.81	0.01	1.36	0.25	0.12	9.47
1976	0.14	1.23	0.63	1.11	0.00	0.03	0.07	0.52	0.39	0.26	0.59	0.63	5.60
1977	0.83	0.79	0.95	0.50	0.80	0.00	0.01	0.00	0.55	0.02	0.86	2.46	7.77
1978	4.33	2.50	5.56	2.09	0.02	T	0.00	0.00	0.47	0.00	1.70	0.58	17.25
1979	4.29	3.53	1.15	0.78	0.05	0.00	0.22	T	0.00	1.36	0.99	1.76	14.13
1980	3.06	2.73	1.12	0.90	0.27	T	0.50	0.00	0.00	0.06	0.04	1.22	9.90
1981	4.30	0.59	3.18	1.02	0.05	0.00	0.00	0.00	0.02	1.48	3.68	1.72	16.04
1982	3.87	2.28	6.48	1.55	0.00	0.18	0.00	0.00	2.47	2.22	3.93	2.60	25.58
1983	5.80	3.49	5.10	2.10	0.16	0.02	0.00	T	1.79	0.50	4.23	3.46	26.65
1984	0.22	1.20	0.65	0.37	0.01	0.06	T	0.01	0.06	1.47	3.53	1.69	9.27
1985	0.67	0.85	2.21	0.13	0.00	0.22	0.05	0.01	0.07	1.25	2.49	1.72	9.67
1986	1.69	5.82	3.64	0.93	0.15	0.00	0.02	0.00	0.80	0.01	0.03	0.67	13.76
1987	2.03	3.28	2.84	0.12	0.02	T	0.00	0.00	0.00	1.04	1.31	2.41	13.05
1988	1.97	0.31	0.19	1.98	0.54	0.23	0.00	0.00	0.00	0.01	1.36	2.28	8.87
1989	0.37	1.07	2.16	0.07	0.07	0.21	0.00	T	2.06	0.87	1.11	0.03	8.02
1990	2.23	1.30	0.86	0.52	2.33	0.00	T	T	T	0.20	0.45	0.91	8.80
1991	0.17	2.32	5.35	0.45	0.12	0.11	0.02	0.07	T	1.98	0.34	0.76	11.69
1992	1.39	5.37	1.30	0.72	0.00	0.12	0.00	T	0.00	0.52	0.20	3.49	13.11
1993	4.91	3.87	3.22	0.26	0.83	0.42	0.00	0.00	0.00	0.31	2.04	1.01	16.87
1994	1.56	2.79	0.18	1.18	1.68	0.00	0.00	0.00	0.24	0.42	2.05	1.15	11.25
1995	6.88	0.38	4.90	1.16	0.55	0.08	T	0.00	0.00	0.00	0.00	4.29	18.24
1996	4.07	4.02	2.10	1.19	1.39	0.09	0.00	0.00	0.00	1.09	2.56	4.54	21.05
1997	4.05	0.29	0.12	0.11	0.28	0.20	T	0.02	T	0.22	3.76	1.94	10.99
1998	5.39	8.22	2.16	1.92	3.73	0.14	0.00	0.00	T	1.02	2.31	0.30	25.19
1999	2.86	2.81	0.87	1.13	0.17	T	0.00	0.00	0.08	0.08	1.70	0.30	10.00
2000	3.72	5.07	0.76	1.22	0.68	0.03	0.00	T	0.08	2.68	0.20	0.40	14.84
POR= 52 YRS	2.92	2.24	2.10	1.13	0.42	0.09	0.03	0.04	0.29	0.71	1.80	2.16	13.93

WBAN : 23237

AVERAGE TEMPERATURE (˚F) 2000 STOCKTON, CA (SCK)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1971	44.9	47.8	53.1	57.5	63.4	72.3	79.2	79.6	73.8	62.0	52.1	42.9	60.7
1972	40.6	51.2	59.8	59.7	67.7	74.3	78.1	78.1	71.2	62.6	50.0	42.0	61.3
1973	45.3	52.4	51.3	61.8	71.3	77.1	76.8	74.5	70.2	63.2	53.2	47.5	62.1
1974	47.3	48.5	54.8	58.4	66.5	75.0	78.7	76.4	75.5	65.9	51.4	44.2	61.9
1975	41.7	49.3	51.3	53.6	68.0	72.4	75.8	75.0	74.4	61.5	50.8	44.7	59.9
1976	45.1	50.7	51.5	53.5	66.1	72.8	77.4	74.1	73.9	67.8	56.2	46.0	61.3
1977	43.8	53.1	53.6	65.3	63.0	76.7	79.2	78.8	72.8	66.5	55.3	50.3	63.2
1978	50.4	51.9	58.6	57.7	68.9	73.1	78.5	78.4	71.9	68.3	51.5	41.7	62.6
1979	45.3	51.1	56.4	60.6	70.2	75.1	78.1	77.2	77.8	66.2	53.5	48.0	63.3
1980	49.4	54.5	53.8	60.7	66.0	70.8	79.5	76.7	71.2	65.4	54.5	45.0	62.3
1981	48.2	52.6	54.0	61.7	69.2	80.5	78.0	76.7	73.8	61.3	56.0	49.4	63.5
1982	41.9	50.6	51.7	57.3	67.2	69.6	76.0	76.0	71.2	63.6	49.6	45.2	60.0
1983	44.2	52.6	55.2	56.3	66.5	73.8	75.9	79.2	76.2	67.0	52.6	50.2	62.5
1984	45.5	49.0	57.2	58.2	71.0	74.2	81.8	77.8	76.9	61.3	52.0	44.0	62.4
1985	41.4	50.2	49.7	62.0	64.1	75.9	78.3	73.6	68.1	62.9	50.4	41.1	59.8
1986	51.0	54.1	57.6	59.3	66.6	72.8	75.9	76.0	67.1	64.5	55.7	45.9	62.2
1987	44.9	51.2	54.4	64.1	69.7	73.6	72.8	74.9	72.7	67.8	52.8	47.1	62.2
1988	46.9	52.4	57.3	61.0	64.6	72.2	80.0	76.0	72.9	66.5	53.9	45.2	62.4
1989	43.6	47.6	56.2	63.3	66.5	72.1	77.2	74.8	70.2	63.3	53.7	42.2	60.9
1990	46.5	47.4	56.1	64.1	65.9	73.2	79.0	77.7		67.3	53.6	40.9	
1991	47.0	54.6	51.6	58.5	63.5	69.9	77.9	73.9	76.2	69.6	56.3	45.8	62.1
1992	42.8	54.8	57.1	64.0	72.3	72.4	76.8	78.9	74.2	68.0	54.7	44.3	63.4
1993	45.7	50.4	59.2	60.7	66.8	73.9	77.2	76.7	74.0	66.7	53.3	44.5	62.4
1994	46.0	49.0	57.8	60.8	65.4	74.1	77.3	78.3	74.0	64.1	49.1	44.6	61.7
1995	52.8	53.7	55.3	60.1	65.2	71.1	77.5	78.8	74.3	67.5	60.2	50.5	63.9
1996	48.6	54.1	56.9	62.6	68.4	75.0	81.4	79.9	72.5	63.9	54.1	50.0	64.0
1997	48.2	51.4	56.9	61.7	71.0	72.1	76.3	75.5	74.7	62.7	55.9	44.4	62.6
1998	48.5	49.6	53.9	57.4	59.4	68.4	76.6	78.0	72.5	60.5	52.5	42.1	60.0
1999	44.5	48.3	50.9	57.5	63.8	71.0	73.4	73.6	72.0	65.4	55.0	46.3	60.1
2000	49.7	52.1	54.8	60.9	67.0	74.7	73.9	75.1	71.8	60.7	48.5	46.3	61.3
POR= 58 YRS	45.6	50.4	54.0	59.3	66.0	72.3	77.1	75.9	72.5	64.1	53.2	45.5	61.3

HEATING DEGREE DAYS (base 65˚F) 2000 STOCKTON, CA (SCK)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1971–72	0	0	18	174	382	676	751	394	163	165	53	4	2780
1972–73	0	0	0	112	445	704	602	344	421	119	12	2	2761
1973–74	0	0	0	90	345	533	541	454	309	194	47	0	2513
1974–75	0	0	0	60	400	639	716	434	419	335	56	6	3065
1975–76	0	1	0	140	420	622	613	408	412	339	42	7	3004
1976–77	0	0	0	29	255	581	650	324	348	41	100	0	2328
1977–78	0	0	2	41	284	451	449	358	191	212	16	0	2004
1978–79	0	0	3	33	398	713	605	384	262	126	27	0	2551
1979–80	0	0	0	60	338	518	473	300	345	140	54	3	2231
1980–81	0	0	5	107	309	613	512	341	330	137	23	0	2377
1981–82	0	0	0	116	263	477	708	396	405	228	35	13	2641
1982–83	0	0	9	73	453	607	638	341	297	252	70	0	2740
1983–84	0	0	0	12	365	451	595	456	234	203	20	4	2340
1984–85	0	0	0	136	383	643	724	408	468	105	64	8	2939
1985–86	0	0	22	110	435	734	425	298	221	174	63	0	2482
1986–87	0	0	39	50	272	585	615	380	323	75	36	0	2375
1987–88	0	0	0	15	360	550	555	361	234	134	96	26	2331
1988–89	0	0	2	40	328	607	656	480	268	94	38	2	2515
1989–90	0	0	6	94	335	699	565	487	269	65	42	2	2564
1990–91	0	0		20	336	741	553	284	406	196	99	7	
1991–92	0	0	0	79	256	585	680	289	237	59	0	2	2187
1992–93	0	0	0	20	305	635	594	405	178	141	26	15	2319
1993–94	0	0	4	14	346	628	581	442	214	132	58	0	2419
1994–95	0	0	0	50	470	623	372	311	296	146	73	19	2360
1995–96	0	0	0	19	139	441	502	308	245	115	3	0	1772
1996–97	0	0	0	126	320	458	514	374	245	112	7	0	2156
1997–98	0	0	0	96	276	632	505	427	340	242	169	9	2696
1998–99	0	0	11	134	368	702	630	460	431	240	75	23	3074
1999–00	0	0	0	43	293	572	469	369	312	129	61	1	2249
2000–	0	0	1	145	489	574							

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COOLING DEGREE DAYS (base 65˚F) 2000 STOCKTON, CA (SCK)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1971	0	0	0	0	37	233	442	459	287	90	0	0	1548
1972	0	0	6	12	144	286	411	413	194	43	0	0	1509
1973	0	0	0	28	213	371	375	303	160	41	0	0	1491
1974	0	0	0	6	103	304	433	358	323	96	0	0	1623
1975	0	0	0	0	157	236	341	318	288	36	0	0	1376
1976	0	0	0	0	81	248	392	288	273	121	0	0	1403
1977	0	0	0	55	46	356	446	436	243	95	0	0	1677
1978	0	0	0	1	142	250	425	426	218	142	0	0	1604
1979	0	0	0	0	192	309	412	386	390	104	0	0	1793
1980	0	0	0	18	91	184	456	370	199	126	0	0	1444
1981	0	0	0	48	159	474	411	371	270	9	0	0	1742
1982	0	0	0	2	111	155	348	345	202	37	0	0	1200
1983	0	0	0	0	122	273	347	446	347	79	1	0	1615
1984	0	0	0	6	214	288	527	402	364	27	0	0	1828
1985	0	0	0	20	47	342	422	270	123	48	0	0	1272
1986	0	0	0	10	118	240	341	348	111	43	0	0	1211
1987	0	0	0	54	189	265	251	314	236	112	0	0	1421
1988	0	0	2	22	86	250	473	348	246	93	1	0	1521
1989	0	0	0	50	94	222	389	312	168	48	0	0	1283
1990	0	0	0	45	79	253	440	401		99	0	0	
1991	0	0	0	9	58	162	407	283	340	227	1	0	1487
1992	0	0	0	35	234	229	373	439	284	118	3	0	1715
1993	0	0	3	20	88	287	388	371	279	73	0	0	1509
1994	0	0	0	11	76	279	390	420	277	28	0	0	1481
1995	0	0	0	7	85	206	392	434	286	100	0	0	1510
1996	0	0	1	49	116	302	516	470	233	98	0	0	1785
1997	0	0	0	20	201	221	358	331	296	31	7	0	1465
1998	0	0	0	20	2	116	369	411	242	2	0	0	1162
1999	0	0	0	19	44	210	269	271	217	66	0	0	1096
2000	0	0	0	11	130	300	285	321	211	20	0	0	1278

SNOWFALL (inches) 2000 STOCKTON, CA (SCK)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1971–72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	T
1972–73	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	0.0	T
1973–74	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
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	0.3	T	0.0	0.0	0.0	0.3
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
1989–90	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
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	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	T	0.0	T
1994–95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	T
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									
1997–98													
1998–99													
1999–00													
2000–													
POR= 41 YRS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	T	T	0.0	T

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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.
NORMALS ARE 30-YEAR AVERAGES (1961 – 1990).
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.

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.

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.

2000
STOCKTON, CALIFORNIA (SCK)

Stockton, the county seat of San Joaquin County, is located near the center of the Great Central Valley of California. It is on the southeast corner of the broad delta formed by the confluence of the San Joaquin and Sacramento Rivers. The surrounding terrain is flat, irrigated farm and orchard land, near sea level, with the rivers and canals of the delta controlled by a system of levees.

Approximately 25 miles east and northeast of Stockton lie the foothills of the Sierra Nevada, rising gradually to an elevation of about 1,000 feet. Beyond the foothills, the mountains rise abruptly to the crest of the Sierra, at a distance of about 75 miles, with some peaks here exceeding 9,000 feet in elevation. On a few days during the year, when atmospheric conditions are favorable, the downslope effect of a north or northeast wind can bring unseasonably dry weather to the delta area, but on the whole the Sierra Nevada has little or no effect on the weather of San Joaquin County. The Sierra Nevada does affect the area, however, to the extent that the entire economy of the Great Valley depends upon the water supplied by the melting snows in the mountains.

To the west and southwest, the Coast Range, with peaks above 2,000 feet, form a barrier separating the Great Valley from the marine air which dominates the climate of the coastal communities. Several gaps in the Coast Range in the San Francisco Bay Area, however, permit the passage inland of a sea breeze which fans out into the delta and has a moderating effect on summer heat, with the result that Stockton enjoys slightly cooler summer days than communities in the upper San Joaquin and Sacramento Valleys.

The summer climate in Stockton is characterized by warm, dry days and relatively cool nights with clear skies and no rainfall. Winter brings mild temperatures and relatively light rains with frequent heavy fogs.

The annual rainfall averages about 14 inches, with 90 percent of the precipitation falling from November through April. Thunderstorms are infrequent, occurring on 3 or 4 days a year. Snow is practically unknown in the Stockton area.

In summer, temperatures exceeding 100 degrees can be expected on about 15 days. During these hot afternoons the air is extremely dry, with relative humidities running generally less than 20 percent. Even on these hot days, however, temperatures will fall into the low 60s at night. In winter the nighttime temperature on clear nights will fall to or slightly below freezing, and will rise in the afternoon into the low 50s.

In late autumn and early winter, clear still nights give rise to the formation of dense fogs, which normally settle in during the night and burn off sometime during the day. In December and January, the so–called fog season, under stagnant atmospheric conditions the fog may last for as long as 4 or 5 weeks, with only brief and temporary periods of clearing.

STATION LOCATION

STOCKTON, CALIFORNIA

LOCATION	Occupied From	Occupied To	Airline Distances and Directions from previous Location	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE SEA LEVEL: GROUND TEMPERATURE SITE	ELEVATION ABOVE GROUND: WIND INSTRUMENT	EXTREME THERMOMETERS	PSYCHROMETER	SUN-SHINE SWITCH	TIPPING BUCKET RAIN GAUGE	WEIGHING RAIN GAGE	8 INCH RAIN GAGE	HYGROTHERMOMETER	AUTOMATIC OBSERVING EQUIPMENT *	REMARKS
*NOTE:																
AIRPORT																
Terminal Building Metropolitan Airport	10/10/63	11/01/96	1/4 mi. NW	37° 54′	121°15′	22	d20		e32			f5	33	d5 g5 h5		d. Not moved from original site. e. Standby equipment. f. Added 10/11/74. g. Minor move 1/19/79. h. Type change 7/2/85.
Metropolitan Airport	11/01/96	Present	NA	37°54′	121°14′	34									S	ASOS Commissioned 11/01/96

* TYPE

M = AMOS
T = AUTOB
S = ASOS
W = AWOS

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