

2003

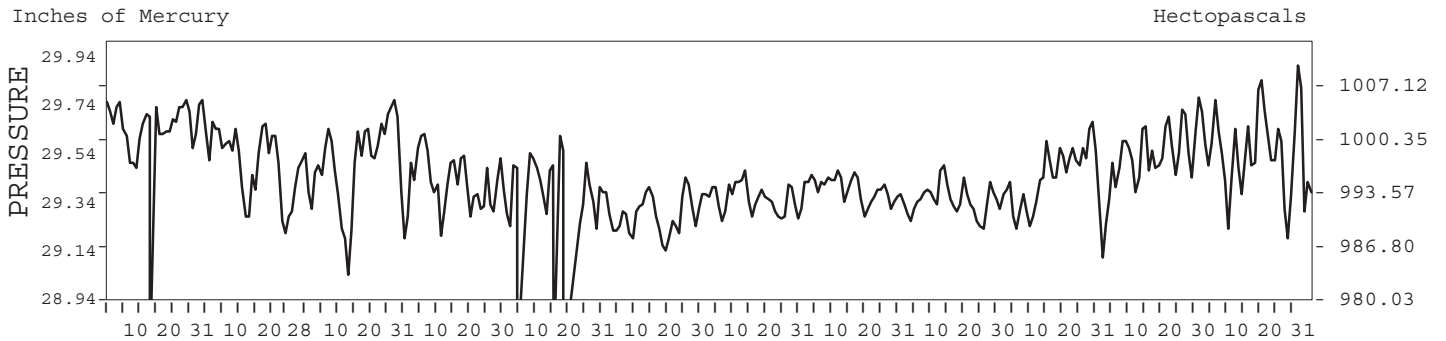
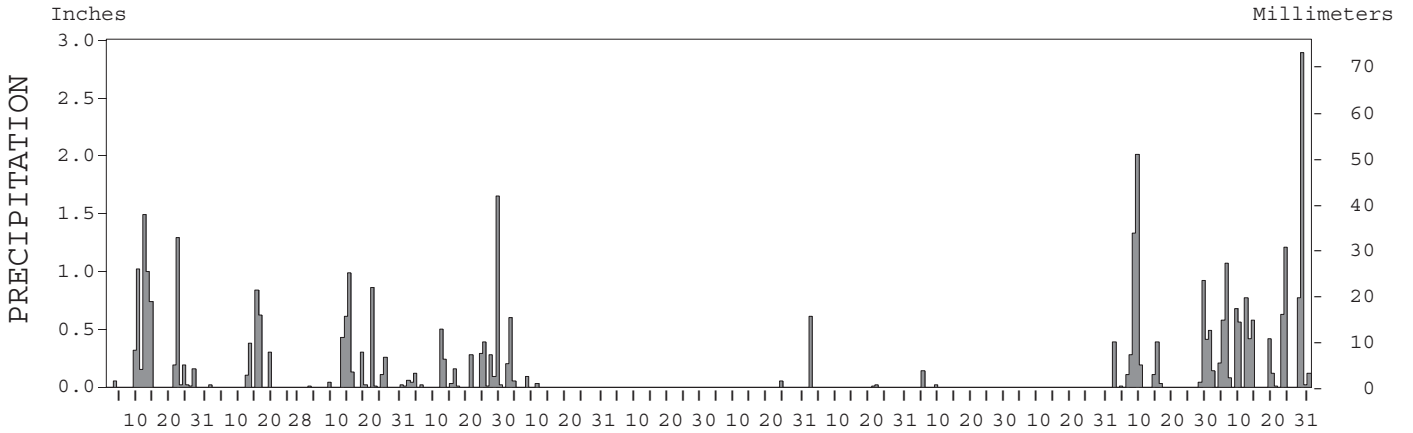
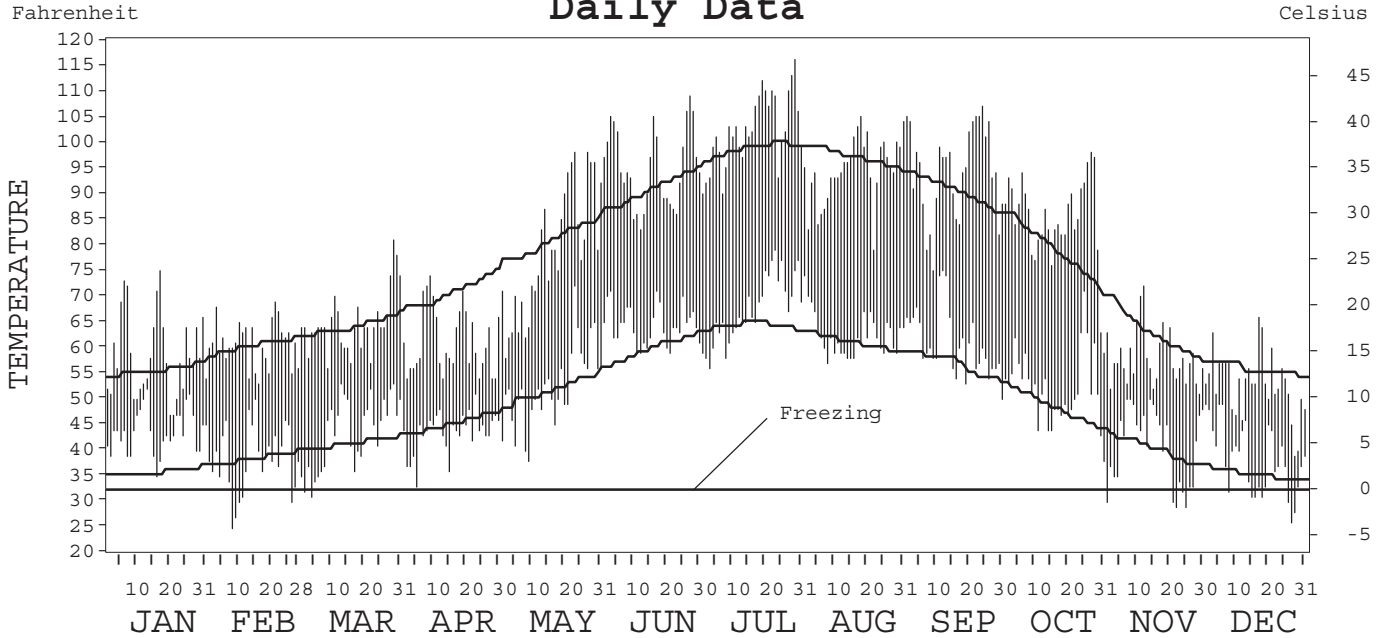
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0898-3585

REDDING,
CALIFORNIA (RDD)

Daily Data



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NATIONAL
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NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

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NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2003

REDDING, CA (RDD)

LATITUDE: 40° 30' 54" N LONGITUDE: 122° 18' 48" W ELEVATION (FT): GRND: 510 BARO: 513 TIME ZONE: PACIFIC (UTC + 8) WBAN: 24257

	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	58.5	60.8	64.8	61.3	78.7	94.9	102.3	94.6	94.4	84.9	58.1	52.9	75.5	
	HIGHEST DAILY MAXIMUM	75	69	81	74	98	109	116	105	107	98	72	66	116	
	DATE OF OCCURRENCE	17	21	29	09	27+	27	29	18	24	27	12	17	JUL 29	
	MEAN DAILY MINIMUM	43.7	38.3	43.5	43.6	52.4	64.4	67.5	62.5	60.9	52.2	40.8	38.3	50.7	
	LOWEST DAILY MINIMUM	35	25	31	33	38	59	58	57	50	38	29	26	25	
	DATE OF OCCURRENCE	16	08	04	05	09	21+	08+	08	30	31	25+	27	FEB 08	
	AVERAGE DRY BULB	51.1	49.6	54.2	52.5	65.6	79.7	84.9	78.6	77.7	68.6	49.5	45.6	63.1	
	MEAN WET BULB		43.1	48.2	47.5		63.1		62.9	60.1	54.3	45.4	43.4		
	MEAN DEW POINT		34.2	41.7	42.0		50.8		51.6	46.5	40.7	40.2	41.0		
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 90°	0	0	0	0	8	21	31	25	21	10	0	0	0	116
MAXIMUM ≤ 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MINIMUM ≤ 32°	0	5	2	0	0	0	0	0	0	0	5	7	19		
MINIMUM ≤ 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	423	429	331	370	102	0	0	0	0	36	460	594	2745	
	COOLING DEGREE DAYS	0	0	2	0	128	449	625	429	387	154	0	0	2174	
RH	MEAN (PERCENT)	86	61	67	70	56	41	36	44	40	41	74	87	59	
	HOUR 04 LST	94	76	83	83	79	59	60	68	58	59	86	94	75	
	HOUR 10 LST	88	59	61	66	50	35	30	40	34	34	71	88	55	
	HOUR 16 LST	71	41	47	54	37	23	19	22	21	21	60	75	41	
	HOUR 22 LST	88	66	72	77	64	46	40	47	44	46	78	91	63	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	11	3	0	0	1	0	0	0	0	0	2	7	24	
	THUNDERSTORMS	0	1	1	0	0	0	0	0	1	0	1	1	5	
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.)		29.49	29.50	29.41		29.29	29.35	29.39	29.35	29.43	29.56	29.54		
	MEAN SEA-LEVEL PRESS. (IN.)			30.04	29.95		29.80	29.80	29.91	29.87	29.95	30.10	30.08		
WINDS	RESULTANT SPEED (MPH)		3.0	0.5	4.5		0.5	1.1	1.3	2.0	2.7	1.2	1.5		
	RES. DIR. (TENS OF DEGS.)		01	21	18		04	19	17	35	35	35	21		
	MEAN SPEED (MPH)	3.2	6.1	5.7	7.8	5.7	6.8	5.3	4.9	6.0	5.2	4.6	4.8	5.5	
	PREVAIL. DIR. (TENS OF DEGS.)	34	01	17	17	36	34	17	17	36	36	35	36	36	
	MAXIMUM 2-MINUTE WIND:														
	SPEED (MPH)	22	30	44	31	26	25	23	22	28	26	25	46	46	
	DIR. (TENS OF DEGS.)	03	03	17	17	02	01	16	18	01	01	17	17	17	
	DATE OF OCCURRENCE	06	04	15	28	18	24	31	14+	17+	10	08	13	DEC 13	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	26	39	51	43	33	31	26	26	37	33	30	56	56	
DIR. (TENS OF DEGS.)	04	04	17	17	35	03	17	16	03	03	18	17	17		
DATE OF OCCURRENCE	06	04	15	01	18	24	31	06	13	10	08	13	DEC 13		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	6.65	2.26	3.79	4.20	0.97	0.00	0.05	0.64	0.16	T	6.22	11.77	36.71	
	GREATEST 24-HOUR (IN.)	1.73	1.41	1.56	1.65	0.73	0.00	0.05	0.61	0.14	T	2.15	3.36	3.36	
	DATE OF OCCURRENCE	12-13	15-16	14-15	29	02-03		24	02	05	04	09-10	28-29	DEC 28-29	
	NUMBER OF DAYS WITH:														
	PRECIPITATION ≥ 0.01	14	6	13	18	5	0	1	3	2	0	13	20	95	
PRECIPITATION ≥ 0.10	10	5	8	9	2	0	0	1	1	0	10	17	63		
PRECIPITATION ≥ 1.00	4	0	0	1	0	0	0	0	0	0	2	3	10		
SNOWFALL	SNOW, ICE PELLETS, HAIL:														
	TOTAL (IN.)												4.3		
	GREATEST 24-HOUR (IN.)												4.3		
	DATE OF OCCURRENCE												28		
	MAXIMUM SNOW DEPTH (IN.)												3		
	DATE OF OCCURRENCE												29		
NUMBER OF DAYS WITH:															
SNOWFALL ≥ 1.0													1		

NORMALS, MEANS, AND EXTREMES

REDDING, CA (RDD)

LATITUDE: 40° 30' 54" N LONGITUDE: 122° 18' 48" W ELEVATION (FT): GRND: 510 BARO: 513 TIME ZONE: PACIFIC (UTC + 8) WBAN: 24257

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	55.4	60.1	63.9	70.6	80.7	90.7	98.5	96.9	90.2	78.4	62.4	55.6	75.3
	MEAN DAILY MAXIMUM	17	55.0	59.6	64.7	71.1	80.3	90.0	98.3	96.7	91.2	80.0	63.1	55.1	75.4
	HIGHEST DAILY MAXIMUM	17	77	83	88	94	104	111	118	115	116	105	88	78	118
	YEAR OF OCCURRENCE		1994	1992	2002	1989	1987	1987	1988	1990	1988	1991	1995	1998	JUL 1988
	MEAN OF EXTREME MAXS.	17	69.3	73.8	79.9	87.5	97.1	105.3	110.7	108.7	104.5	96.4	78.2	68.5	90.0
	NORMAL DAILY MINIMUM	30	35.5	38.1	41.1	44.9	51.6	59.6	64.1	60.8	56.5	48.0	39.8	35.0	47.9
	MEAN DAILY MINIMUM	17	36.7	39.1	42.7	46.8	53.3	61.0	65.5	62.4	57.9	49.7	40.7	35.7	49.3
	LOWEST DAILY MINIMUM	17	19	21	28	28	34	42	53	51	40	33	23	17	17
	YEAR OF OCCURRENCE		1997	1989	1997	1999	2000	1990	2000	1986	1989	1993	1990	1990	DEC 1990
	MEAN OF EXTREME MINS.	17	26.4	27.7	30.7	35.3	41.3	49.9	56.6	54.5	48.7	38.9	30.2	25.2	38.8
	NORMAL DRY BULB	30	45.5	49.1	52.5	57.8	66.2	75.2	81.3	78.9	73.4	63.2	51.1	45.3	61.6
	MEAN DRY BULB	17	45.9	49.4	53.7	59.0	66.8	75.5	81.9	79.6	74.4	64.9	52.1	45.4	62.4
	MEAN WET BULB	16	41.2	43.9	47.2	50.6	55.7	60.4	63.6	62.2	58.7	52.9	46.0	41.1	52.0
	MEAN DEW POINT	16	36.1	37.3	39.8	41.9	45.3	48.5	50.7	49.1	45.9	41.7	39.4	36.1	42.7
	NORMAL NO. DAYS WITH:														
	MAXIMUM ≥ 90°	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 ≤ 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	0.1
MINIMUM ≤ 32°	30	10.4	5.0	1.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	12.9	33.4
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	0.0
H/C	NORMAL HEATING DEG. DAYS	30	606	445	390	239	99	7	0	0	13	131	420	611	2961
	NORMAL COOLING DEG. DAYS	30	0	0	3	22	133	310	504	430	263	74	2	0	1741
RH	NORMAL (PERCENT)	30										52	70	73	
	HOUR 04 LST	30										70	82	82	
	HOUR 10 LST	30									35	44	66	74	
	HOUR 16 LST	30									23	30	50	56	
	HOUR 22 LST	30										57	76	77	
S	PERCENT POSSIBLE SUNSHINE	10	72	82	85	90	91	94	97	97	94	92	84	73	88
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	18	5.5	1.3	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.4	2.6	4.9	16.0
	THUNDERSTORMS	18	0.7	0.8	1.4	1.3	1.6	1.3	0.7	0.8	0.6	0.6	0.3	0.4	10.5
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)	10	5.4	5.0	5.0	5.0	4.0	2.6	1.1	1.3	1.6	2.6	3.9	4.5	3.5
	MIDNIGHT-MIDNIGHT (OKTAS)	10	5.1	4.5	4.6	4.4	3.8	2.5	0.9	1.1	1.2	2.3	3.5	4.1	3.2
	MEAN NO. DAYS WITH:														
	CLEAR	10	8.0	8.3	8.4	8.0	11.4	17.3	25.2	24.7	22.4	17.7	11.0	9.8	172.2
PARTLY CLOUDY	10	4.8	5.8	6.6	8.4	9.5	8.3	4.3	4.8	4.2	6.8	7.9	5.2	76.6	
CLOUDY	10	18.2	14.2	16.0	13.6	10.1	4.4	1.3	1.6	3.4	6.5	11.1	16.0	116.4	
PR	MEAN STATION PRESSURE (IN)	16	29.57	29.53	29.48	29.47	29.40	29.36	29.35	29.34	29.35	29.46	29.56	29.60	29.46
	MEAN SEA-LEVEL PRES. (IN)	16	30.13	30.09	30.02	30.00	29.93	29.87	29.87	29.88	29.90	29.99	30.10	30.14	29.99
WINDS	MEAN SPEED (MPH)	17	6.0	7.0	7.2	7.0	7.2	7.6	6.5	6.0	6.1	6.1	5.6	6.3	6.5
	PREVAIL. DIR (TENS OF DEGS)	18	35	36	36	18	35	35	18	18	36	36	36	36	36
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	7	47	49	44	39	36	33	28	30	30	37	51	58	58
	DIR. (TENS OF DEGS)		17	17	17	17	17	36	18	17	01	18	17	17	17
	YEAR OF OCCURRENCE		2000	1999	2003	1999	2002	2000	2002	1997	1999	2000	1998	2002	DEC 2002
	MAXIMUM 5-SECOND:														
SPEED (MPH)	7	56	63	55	45	43	44	33	44	37	47	63	71	71	
DIR. (TENS OF DEGS)		18	17	18	17	17	36	17	16	03	18	17	17	17	
YEAR OF OCCURRENCE		2000	2000	1999	1999	2002	2000	2002	1999	2003	2000	1998	2002	DEC 2002	
PRECIPITATION	NORMAL (IN)	30	6.50	5.49	5.15	2.40	1.66	0.69	0.05	0.22	0.48	2.18	4.03	4.67	33.52
	MAXIMUM MONTHLY (IN)	17	22.93	15.80	14.78	4.26	7.67	1.93	0.49	0.83	4.83	6.26	10.11	14.72	22.93
	YEAR OF OCCURRENCE		1995	1998	1995	1995	1998	1995	1990	1993	1989	1992	1988	2002	JAN 1995
	MINIMUM MONTHLY (IN)	17	0.89	0.14	0.52	0.14	0.01	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00
	YEAR OF OCCURRENCE		1991	1988	1988	1987	1987	2002	1990	1987	1988	2002	1995	1989	OCT 2002
	MAXIMUM IN 24 HOURS (IN)	17	3.96	3.17	3.18	2.33	3.79	1.46	0.49	0.63	3.15	4.09	3.23	3.47	4.09
	YEAR OF OCCURRENCE		1990	2001	1995	1993	1993	1997	1990	1997	1989	1992	1988	2002	OCT 1992
	NORMAL NO. DAYS WITH:														
PRECIPITATION ≥ 0.01	30	14.2	11.4	12.1	8.1	7.6	4.0	0.7	0.8	1.5	4.3	8.5	10.1	83.3	
PRECIPITATION ≥ 1.00	30	2.4	1.9	1.8	0.3	0.8	0.1	0.0	0.0	0.2	0.6	1.0	1.1	10.2	
SNOWFALL	NORMAL (IN)	30	0.8	0.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	T	3.5	5.2	
	MAXIMUM MONTHLY (IN)	10	10.9	1.4	1.8	T	1.5	T	0.0	T	0.0	0.0	T	17.0	17.0
	YEAR OF OCCURRENCE		1996	1990	1987	1996	1990	1992		1993			1988	1988	DEC 1988
	MAXIMUM IN 24 HOURS (IN)	10	5.5	1.4	1.8	T	1.5	T	0.0	T	0.0	0.0	T	10.0	10.0
	YEAR OF OCCURRENCE		1996	1990	1987	1996	1990	1992	1987	1993	1986	1986	1988	1988	DEC 1988
	MAXIMUM SNOW DEPTH (IN)	9	3	0	0	0	0	0	0	0	0	0	0	7	7
	YEAR OF OCCURRENCE		1989											1988	DEC 1988
NORMAL NO. DAYS WITH:															
SNOWFALL ≥ 1.0	30	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.7	

PRECIPITATION (inches) 2003 REDDING, CA (RDD)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1986									2.18	0.80	0.41	1.94	
1987	7.01	4.97	7.00	0.14	0.01	T	0.21	0.00	T	0.48	3.53	9.07	32.42
1988	7.25	0.14	0.52	3.29	3.99	1.74	T	T	0.00	0.11	10.11	3.68	30.83
1989	2.14	1.11	10.94	3.76	0.73	0.95	0.00	0.23	4.83	3.69	1.20	0.00	29.58
1990	8.14	1.37	2.40	0.65	6.60	0.82	0.49	1.06	1.17	0.83	0.67	0.56	24.76
1991	0.89	3.97	9.67	0.52	2.13	0.11	0.03	0.00	0.00	1.93	1.27	5.09	25.61
1992	3.03	10.15	3.41	1.91	0.03	1.66	T	T	0.00	6.26	0.92	10.37	37.74
1993	10.38	7.52	6.34	3.66	6.72	0.65	0.00	0.99	0.00	2.92	1.52	3.16	43.86
1994	3.34	6.41	1.92	1.86	1.41	0.03	0.00	0.00	0.20	0.04	5.01	5.45	25.67
1995	22.93	1.65	14.78	4.26	0.97	1.93	T	0.00	0.00	T	0.26	10.81	57.59
1996	9.66	9.06	1.84	2.54	4.28	0.14	0.33	T	0.55	1.25	3.00	8.38	41.03
1997	6.76	0.72	1.76	2.43	0.43	1.91	0.01	0.63	1.62	3.36	9.06	3.30	31.99
1998	14.00	15.80	5.62	2.83	7.67	1.71	0.14	T	0.06	2.30	9.29	2.17	61.59
1999	3.11	7.66	3.43	1.73	0.58	0.40	0.00	0.23	T	1.02	5.51	0.63	24.30
2000	7.67	9.28	4.08	3.57	1.18	1.11	0.11	T	3.08	3.74	0.98	1.89	36.69
2001	5.73	8.07	3.37	2.05	0.03	1.10	T	0.00	0.49	0.83	7.38	9.31	38.36
2002	3.37	2.82	2.58	1.40	0.68	0.00	0.00	0.00	0.11	0.00	2.41	14.72	28.09
2003	6.65	2.26	3.79	4.20	0.97	0.00	0.05	0.64	0.16	T	6.22	11.77	36.71
POR= 17 YRS	7.20	5.48	4.92	2.43	2.26	0.86	0.05	0.20	0.80	1.65	3.86	5.71	35.42

WBAN : 24257

AVERAGE TEMPERATURE (°F) 2003 REDDING, CA (RDD)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1986		58.3							67.8	63.8	54.8	45.5	
1987	43.3	49.3	51.6	63.3	72.1	79.3	78.1	81.2	74.1	68.2	52.2	44.9	63.1
1988	45.5	53.9	56.5	59.7	63.5	75.0	86.7	81.9	76.5	69.1	50.7	45.4	63.7
1989	44.5	45.9	52.0	63.0	66.5	76.1	80.2	77.5	71.3	61.0	53.6	46.4	61.5
1990	45.0	45.9	55.2	64.6	65.4	75.0	83.7	79.6	74.9	65.4	51.6	40.3	62.2
1991	45.8	53.7	48.7	56.4	63.6	73.3	85.0	77.8	79.1	68.9	54.4	46.1	62.7
1992	44.5	53.2	55.3	61.5	75.1	76.1	80.3	81.6	74.5	65.9	52.0	43.1	63.6
1993	43.4	47.2	57.0	57.4	65.1	73.5	81.1	78.5	74.0	65.2	50.7	45.5	61.6
1994	48.3	45.8	55.8	60.1	67.5	74.5	84.0	78.5	74.7	62.8	45.7	41.9	61.6
1995	48.2	53.0	51.4	56.0	64.3	72.1	80.4	79.2	75.6	65.6	57.3	48.3	62.6
1996	45.6	51.7	55.2	58.1	65.5	77.0	83.8	81.8	72.4	61.9	52.9	48.5	62.9
1997	46.5	51.2	56.3	59.4	71.2	74.9	81.6	77.6	72.7	60.4	52.3	45.7	62.5
1998	46.2	46.5	52.2	55.9	57.1	69.8	81.5	81.5	75.8	61.9	50.2	44.1	60.2
1999	47.5	45.5	49.0	59.0	67.3	75.0	79.3	77.9	76.5	64.8	53.4	47.4	61.9
2000	46.4	48.7	53.8	60.1	65.8	78.9	77.5	78.4	73.4	61.3	47.4	47.3	61.6
2001	44.0	46.6	57.5	55.4	74.0	75.4	80.7	80.6	75.8	67.3	53.0	46.0	63.0
2002	44.7	51.7	52.2	60.3	67.5	78.5	84.1	81.1	74.5	64.7	53.9	46.2	63.3
2003	51.1	49.6	54.2	52.5	65.6	79.7	84.9	78.6	77.7	68.6	49.5	45.6	63.1
POR= 17 YRS	45.9	49.3	53.6	59.2	67.1	75.6	81.9	79.6	74.5	65.0	52.1	45.5	62.4

HEATING DEGREE DAYS (base 65°F) 2003 REDDING, CA (RDD)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1985-86													
1986-87			87	94	309	598	665	435	408	90	18	0	
1987-88	0	0	0	27	381	615	601	315	257	168	124	43	2531
1988-89	0	0	0	30	421	602	627	530	397	140	49	4	2800
1989-90	0	0	12	135	336	569	611	531	301	52	76	7	2630
1990-91	0	1	0	50	396	760	591	310	499	253	106	0	2966
1991-92	0	0	0	105	314	579	628	337	295	120	0	15	2393
1992-93	0	0	0	57	386	671	663	493	242	242	54	21	2829
1993-94	0	0	0	56	426	599	509	532	279	157	55	2	2615
1994-95	0	0	0	93	572	710	513	330	415	265	106	24	3028
1995-96	0	0	0	52	231	509	597	382	300	221	70	0	2362
1996-97	0	0	1	171	354	504	565	378	273	168	21	6	2441
1997-98	0	0	8	145	378	590	576	511	393	276	241	8	3126
1998-99	0	0	9	121	436	642	535	539	487	213	65	24	3071
1999-00	0	0	0	72	342	535	568	467	339	147	116	1	2587
2000-01	0	0	10	162	522	544	643	507	236	293	6	3	2926
2001-02	0	0	0	45	351	581	620	368	409	164	53	0	2591
2002-03	0	0	1	83	325	577	423	429	331	370	102	0	2641
2003-	0	0	0	36	460	594							

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COOLING DEGREE DAYS (base 65°F) 2003 REDDING, CA (RDD)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1986									177	63	9	0	
1987	0	0	0	45	245	439	412	512	279	132	1	0	2065
1988	0	0	4	16	82	349	679	531	350	165	0	1	2177
1989	0	0	0	85	103	344	477	394	210	17	0	0	1630
1990	0	0	1	47	97	314	586	463	306	67	0	0	1881
1991	0	0	0	2	72	257	627	404	430	234	3	0	2029
1992	0	0	0	22	318	355	481	521	291	90	0	0	2078
1993	0	0	0	19	65	282	504	425	279	71	4	0	1649
1994	0	0	1	16	140	296	594	425	299	29	0	0	1800
1995	0	0	0	0	92	244	484	447	325	81	4	0	1677
1996	0	4	1	22	93	367	614	528	229	83	0	0	1941
1997	0	0	9	10	225	312	522	394	244	11	3	0	1730
1998	0	0	0	11	2	160	518	519	340	31	0	0	1581
1999	0	0	0	40	145	330	449	408	350	75	0	0	1797
2000	0	0	0	9	147	425	396	424	269	54	0	0	1724
2001	0	0	11	11	294	321	495	493	331	125	0	0	2081
2002	0	0	20	28	135	415	598	504	292	82	0	0	2074
2003	0	0	2	0	128	449	625	429	387	154	0	0	2174

SNOWFALL (inches) 2003 REDDING, CA (RDD)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1985-86													
1986-87			0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	
1987-88	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
1988-89	0.0	0.0	0.0	0.0	T	17.0	3.2	T	T	T	0.0	0.0	20.2
1989-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	T	0.0	1.5	0.0	2.9
1990-91	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	T
1991-92	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	T	T
1992-93	0.0	0.0	0.0	0.0	0.0	T	0.4	T	0.0	0.0	0.0	0.0	0.4
1993-94	0.0	T	0.0	0.0	0.0	0.0	0.0	0.9	T	0.0	0.0	0.0	0.9
1994-95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	T	T	0.0	0.0	T
1995-96	0.0	0.0	0.0	0.0	0.0	0.0	10.9	T	T	T	0.0	0.0	10.9
1996-97													
1997-98													
1998-99													
1999-00													
2000-01													
2001-02													
2002-03						4.3							
2003-													
POR= 9 YRS	0.0	T	0.0	0.0	T	1.8	1.4	0.2	0.2	T	0.2	T	3.8

WBAN : 24257

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 REDDING, CALIFORNIA (RDD)

Redding, the county seat of Shasta County, is located on the Sacramento River, at the extreme northern in of California's rich Central Valley. It is often referred to as "The Hub City of Northern California", because of it's strategic, central location.

The portion of the Sacramento Valley where Redding lies is bounded in three directions by several mountain ranges. The Trinity Mountains, to the West, are generally 4,000 to 5,000 feet in elevation, but with peaks to near 7,000 feet. To the north, the southern portion of the Cascade Range forms a large part of the very rugged terrain. To the east, the northern slopes of the Sierra Nevada dominate. The elevation of that portion of the Valley where Redding lies is about 500 feet.

The configuration of the mountains on either side of the Sacramento Valley forms a funnel that results in a concentration of precipitation near the upper end of the valley during periods of winter storms with southerly winds.

Winters are cool and wet, with the majority of rain falling during the months from November through April. Normal rainfall for Redding is over 33 inches. Snowfall, while unusual, does occur but seldom remains on the ground for more than a day.

Summers are hot and dry. Daily highs over 100 degrees are common, and 110 degrees is not unusual. What little rainfall occurs during the summers are from the occasional thunderstorm.

Winds are profoundly influenced by the mountains in the area. The general north-south orientation of the major mountain chains reduces east-west air flow to a minimum. Prevailing winds are from the north or northwest, and to a lesser extent, from the south or southeast.

STATION LOCATION

REDDING, CALIFORNIA

LOCATION	Occupied From	Occupied To	Airline Distances and Directions from previous Location	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE										AUTOMATIC OBSERVING EQUIPMENT *	REMARKS
						GROUND											
						SEA LEVEL	GROUND	WIND INSTRUMENT	EXTREME THERMOMETERS	PSYCHROMETER	SUNSHINE SWITCH	TIPPING GAUGE	RAIN GAUGE	8 INCH RAIN GAUGE	HYGROMETER		
AIRPORT																	
USFS Operations Bldg. Redding Municipal AP	8/22/86	07/01/96	NA	40°30'	122°18'	502	a33	4	4	35	4	NA	4	5	NA	WSO expanded. Operations for Mt. Shasta and Red Bluff consolidated at Redding, CA. a. Effective 1/26/86.	
Redding Municipal	07/01/96	Present	NA	40°31'	122°19'	b510									S	ASOS Commissioned 07/01/96 b. Ground elevation.	

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