

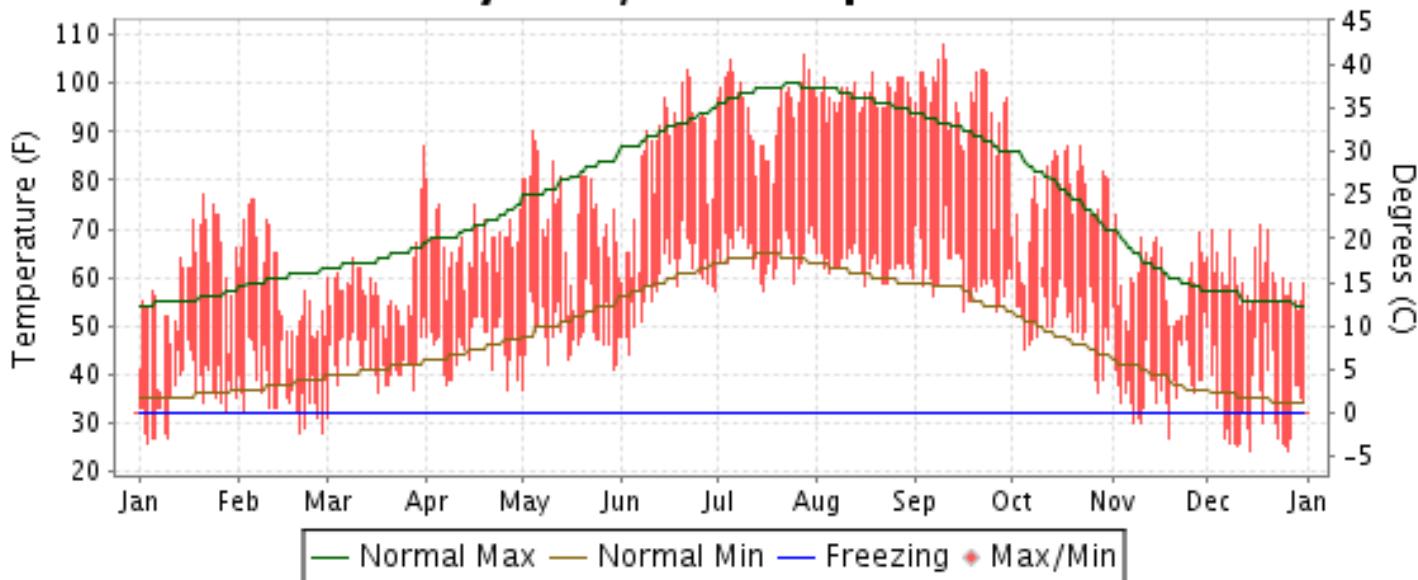


# 2011 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

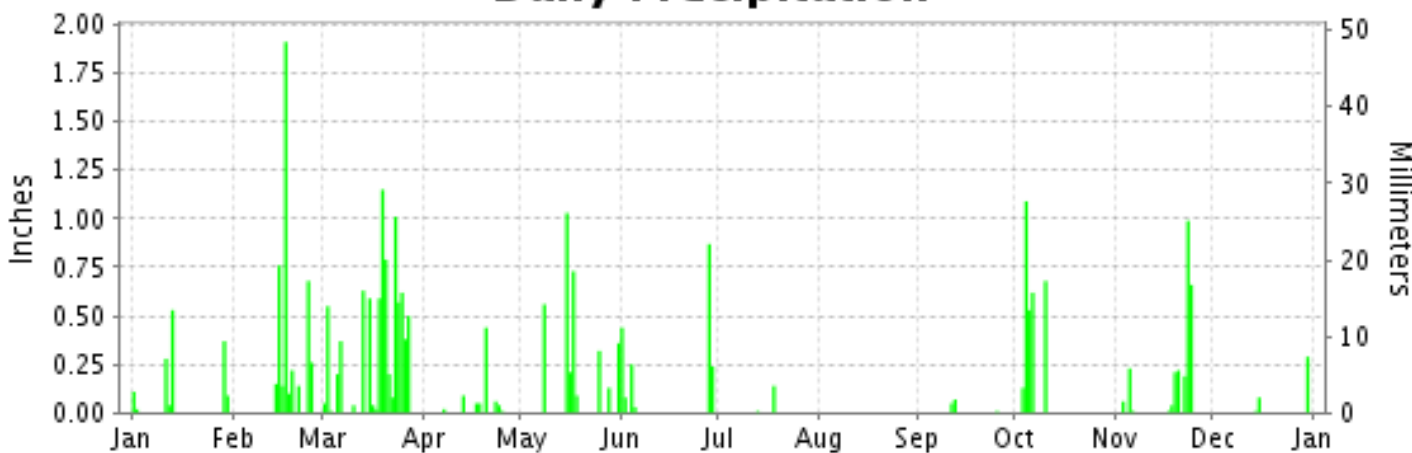
ISSN 0898-3585

## REDDING, CALIFORNIA (KRDD)

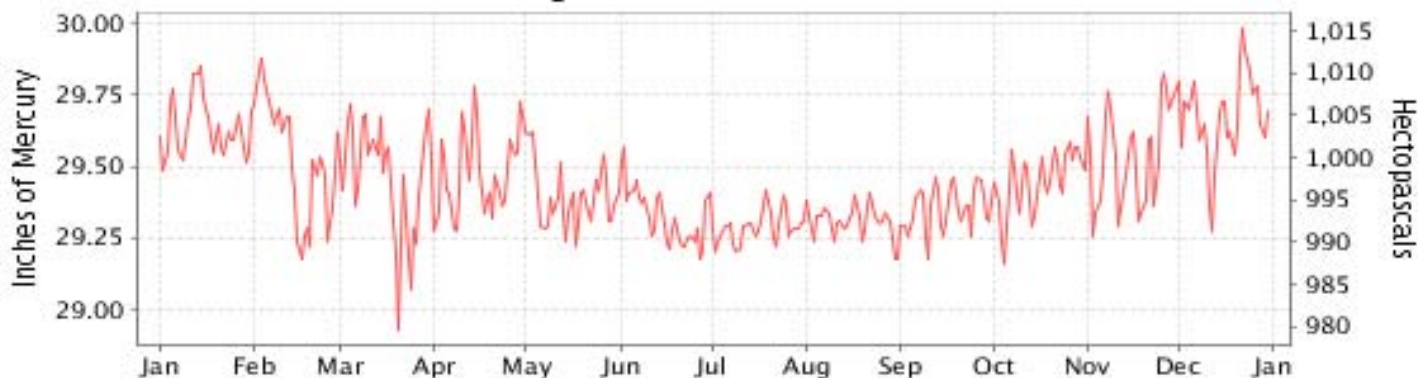
### Daily Max/Min Temperature



### Daily Precipitation



### Daily Station Pressure



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ASHEVILLE, NORTH CAROLINA

*Thomas R. Karl*  
DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

# METEOROLOGICAL DATA FOR 2011

## REDDING (KRDD)

LATITUDE: 40° 31'N      LONGITUDE: -122° 17'W      ELEVATION (FT): GRND: 497 BARO: 502      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	58.8	58.6	58.5	67.3	73.4	85.1	95.1	97.5	95.8	76.3	59.9	60.1	73.9	
	HIGHEST DAILY MAXIMUM	77	76	87	80	90	103	106	102	108	87	73	71	108	
	DATE OF OCCURRENCE	21	06+	31	01	04	21	28	18	09	22+	02	17	SEP 09	
	MEAN DAILY MINIMUM	35.9	36.8	42.5	45.6	48.7	59.2	65.1	62.6	60.5	50.8	38.6	33.7	48.3	
	LOWEST DAILY MINIMUM	26	28	31	37	37	44	57	58	53	36	27	24	24	
	DATE OF OCCURRENCE	04	27+	01	26	01	03	15	16	26+	28	19	26+	DEC 26+	
	AVERAGE DRY BULB	47.4	47.7	50.5	56.5	61.1	72.2	80.1	80.1	78.2	63.6	49.3	46.9	61.1	
	MEAN WET BULB	41.8	40.9	46.4	48.5	51.5	58.7	63.7	61.9	59.7	54.2	38.0	38.0	40.8	
	MEAN DEW POINT	35.4	31.6	41.8	37.4	41.4	47.6	52.3	47.8	44.7	46.1	37.7	26.2	40.8	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	1	15	22	31	25	0	0	0	0	94
	MAXIMUM <= 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MINIMUM <= 32°	7	6	1	0	0	0	0	0	0	0	4	16	34	
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	538	476	445	248	149	46	0	0	1	79	467	553	3002	
	COOLING DEGREE DAYS	0	0	5	0	32	268	476	474	403	43	0	0	1701	
RH	MEAN (PERCENT)	71	60	75	53	54	49	43	37	38	61	72	51	55	
	HOUR 04 LST	83	68	87	70	73	70	70	66	62	79	86	63	73	
	HOUR 10 LST	65	54	69	44	43	40	32	26	25	46	65	45	46	
	HOUR 16 LST	55	46	63	35	40	32	21	15	16	45	61	38	39	
	HOUR 22 LST	81	68	80	61	62	57	52	44	46	70	79	60	63	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	9	2	3	0	0	0	0	0	0	0	4	0	18	
	THUNDERSTORMS	0	0	4	0	3	0	0	0	2	0	0	0	9	
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.)	29.64	29.54	29.46	29.48	29.39	29.32	29.28	29.31	29.35	29.45	29.53	29.67	29.45	
	MEAN SEA-LEVEL PRESS. (IN.)	30.18	30.07	29.99	30.04	29.93	29.85	29.81	29.83	29.88	29.98	30.23	30.23	29.45	
WINDS	RESULTANT SPEED (MPH)	2.1	0.4	5.7	1.1	1.4	0.9	1.0	1.6	0.4	1.7	0.9	5.0	0.3	
	RES. DIR. (TENS OF DEGS.)	36	34	18	32	18	32	19	17	35	34	33	36	32	
	MEAN SPEED (MPH)	3.2	7.5	9.0	6.0	6.3	5.5	4.9	3.8	4.2	4.1	3.5	6.0	5.3	
	PREVAIL.DIR.(TENS OF DEGS.)	35	35	17	35	17	34	16	16	35	35	36	36	17	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	35	38	45	30	30	29	21	18	24	30	34	33	45	
	DIR. (TENS OF DEGS.)	01	18	16	17	15	34	16	16	02	16	01	36	16	
	DATE OF OCCURRENCE	22	15	20	25	30	19	24	01	09	05	01	01	MAR 20	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	41	48	60	37	39	46	52	30	32	39	46	44	60	
DIR. (TENS OF DEGS.)	01	16	15	17	15	15	27	33	33	02	01	02	15		
DATE OF OCCURRENCE	22	15	20	25	30	29	18	12	12	25	01	01	MAR 20		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	1.44	4.36	8.39	0.76	3.43	1.91	0.15	0.00	0.13	3.05	2.62	0.38	26.62	
	GREATEST 24-HOUR (IN.)	0.53	1.96	1.91	0.44	1.03	1.11	0.14	0.00	0.07	1.58	1.64	0.29	1.96	
	DATE OF OCCURRENCE	13	17-18	19-20	20	15	28-29	18		12	04-05	23-24	30	FEB 17-18	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	7	9	20	8	8	6	2	0	3	5	10	3	81	
PRECIPITATION 0.10	4	9	14	1	7	4	1	0	0	5	6	1	52		
PRECIPITATION 1.00	0	1	2	0	1	0	0	0	0	1	0	0	5		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)														
	GREATEST 24-HOUR (IN.)														
	DATE OF OCCURRENCE														
	NUMBER OF DAYS WITH:														
SNOWFALL >= 1.0															

# NORMALS, MEANS, AND EXTREMES REDDING (KRDD)

**LATITUDE:** 40° 31'N      **LONGITUDE:** -122° 17'W      **ELEVATION (FT):** GRND: 497 BARO: 502      **TIME ZONE:** PACIFIC (UTC -8)      **WBAN: 24257**

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
<b>TEMPERATURE °F</b>	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	25	55.2	59.6	64.9	70.9	80.4	90.0	98.7	96.9	91.2	78.8	63.3	55.0	75.4
	HIGHEST DAILY MAXIMUM	25	78	83	88	96	106	117	118	115	116	105	88	78	118
	YEAR OF OCCURRENCE		2009	1992	2004	2009	2008	2006	1988	1990	1988	1991	1995	1998	JUL 1988
	MEAN OF EXTREME MAXS.	25	69.7	74.1	80.2	87.7	96.9	105.4	110.8	108.1	104.7	94.7	79.1	68.4	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	25	36.8	39.1	42.6	46.3	53.5	61.0	66.0	62.8	57.7	49.6	40.9	36.1	49.4
	LOWEST DAILY MINIMUM	25	19	21	28	28	34	42	53	50	40	33	23	16	16
	YEAR OF OCCURRENCE		2007	1989	2006	1999	2010	1990	2000	2010	2007	1989	1993	2009	DEC 2009
	MEAN OF EXTREME MINS.	25	26.9	28.0	31.0	34.8	41.4	49.8	57.4	55.0	48.5	38.8	30.0	24.8	38.9
	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	25	46.0	49.7	53.8	58.6	67.0	75.6	82.4	79.9	74.5	64.2	52.1	45.6	62.5
	MEAN WET BULB	25	40.1	42.2	45.0	47.6	52.3	56.6	60.6	58.2	54.8	50.1	44.5	39.5	49.3
	MEAN DEW POINT	25	38.0	38.8	41.2	43.4	47.8	50.8	54.3	52.0	48.4	44.1	41.0	37.0	44.7
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	0.0	0.9	6.1	16.0	27.4	25.1	18.6	5.5	0.0	0.0	99.6
	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	0.1	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	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	
<b>H/C</b>	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
<b>RH</b>	NORMAL (PERCENT)	30	73	60	62	56	49	43	35	39	43	53	68	69	54
	HOURLY 04 LST	30	82	76	77	75	69	63	56	60	62	71	81	80	71
	HOURLY 10 LST	30	73	59	57	49	42	37	31	32	38	44	64	70	50
	HOURLY 16 LST	30	56	39	43	34	31	25	18	19	25	30	48	51	35
	HOURLY 22 LST	30	79	65	66	62	54	46	38	42	47	59	75	75	59
<b>S</b>	PERCENT POSSIBLE SUNSHINE	10	72	82	85	90	91	94	97	97	94	92	84	73	88
<b>W/O</b>	MEAN NO. DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI)	25	5.7	1.4	0.6	0.2	0.1	0.0	0.0	0.0	0.0	0.3	2.5	4.5	15.3
	THUNDERSTORMS	25	0.4	0.6	1.2	1.0	1.4	1.2	0.5	0.6	0.7	0.4	0.3	0.3	8.6
<b>CLOUDINESS</b>	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
<b>PR</b>	MEAN STATION PRESSURE(IN)	25	29.59	29.51	29.49	29.46	29.38	29.34	29.33	29.33	29.35	29.45	29.56	29.59	29.45
	MEAN SEA-LEVEL PRES. (IN)	25	30.14	30.05	30.03	30.00	29.93	29.87	29.85	29.86	29.88	29.98	30.10	30.13	29.99
<b>WINDS</b>	MEAN SPEED (MPH)	25	5.7	6.7	7.1	6.8	6.9	7.1	6.1	5.7	5.7	5.8	5.2	6.1	6.2
	PREVAIL.DIR.(TENS OF DEGS)	26	36	36	36	19	36	35	19	17	36	36	36	36	36
	MAXIMUM 2-MINUTE: SPEED (MPH)	15	55	49	45	39	39	33	32	31	35	40	51	58	58
	DIR. (TENS OF DEGS)		18	17	16	17	19	36	18	02	03	17	17	17	17
	YEAR OF OCCURRENCE		2008	1999	2011	1999	2010	2000	2007	2008	2006	2009	1998	2002	DEC 2002
	MAXIMUM 3-SECOND SPEED (MPH)	15	70	63	60	48	53	46	52	44	43	55	63	71	71
	DIR. (TENS OF DEGS)		17	17	15	18	19	15	27	16	03	18	17	17	17
YEAR OF OCCURRENCE		2008	2000	2011	2010	2010	2011	2011	1999	2006	2009	1998	2002	DEC 2002	
<b>PRECIPITATION</b>	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)	25	22.93	15.80	14.78	6.09	7.67	2.28	1.15	0.83	4.83	6.26	10.11	14.72	22.93
	YEAR OF OCCURRENCE		1995	1998	1995	2006	1998	2009	2007	1993	1989	1992	1988	2002	JAN 1995
	MINIMUM MONTHLY (IN)	25	0.38	0.14	0.29	0.14	0.01	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00
	YEAR OF OCCURRENCE		2007	1988	2008	1987	1987	2002	1990	1987	1988	2002	1995	1989	OCT 2002
	MAXIMUM IN 24 HOURS (IN)	25	3.96	3.17	3.18	2.33	3.79	1.46	1.15	0.63	3.15	4.09	3.23	4.45	4.45
	YEAR OF OCCURRENCE		1990	2001	1995	1993	1993	1997	2007	1997	1989	1992	1988	2004	DEC 2004
	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	
<b>SNOWFALL</b>	NORMAL (IN)	30	0.8	0.4	0.5	0.0	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) 2011 REDDING (KRDD)**

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	.33	T	.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
2004	2.99	10.08	1.43	1.18	1.38	0.11	T	T	0.30	5.76	1.72	10.82	35.77
2005	4.35	2.97	4.99	2.12	4.95	0.78	0.00	0.00	0.02	0.38	4.84	13.90	39.30
2006	7.16	4.44	7.56	6.09	0.64	0.28	T	0.04	0.00	0.22	3.88	6.62	36.93
2007	0.38	7.36	0.51	2.21	1.51	T	1.15	T	0.17	2.96	0.48	5.02	21.75
2008	9.98	3.16	0.29	0.44	0.35	0.02	0.00	0.01	T	1.30	2.82	3.33	21.70
2009	0.93	8.97	1.15	0.72	2.20	2.28	0.00	T	0.12	1.99	0.67	4.03	23.06
2010	9.30	6.53	1.88	4.65	1.08	0.20	0.00	0.13	0.34	4.66	2.25	8.69	39.71
2011	1.44	4.36	8.39	0.76	3.43	1.91	0.15	0.00	0.13	3.05	2.62	0.38	26.62
POR= 25 YRS	6.34	5.63	4.39	2.36	2.16	0.79	0.11	0.16	0.60	1.92	3.39	5.97	33.82

WBAN : 24257

**AVERAGE TEMPERATURE (°F) 2011 REDDING (KRDD)**

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
2004	43.5	48.8	60.8	62.5	68.1	78.2	83.4	80.4	73.8	62.3	52.3	48.7	63.6
2005	46.7	52.7	55.5	57.1	66.1	71.1	85.4	82.2	71.3	62.7	52.9	47.7	62.6
2006	46.4	51.0	46.9	57.3	70.3	79.7	85.7	79.2	74.1	63.5	51.4	46.0	62.6
2007	45.4	48.6	58.0	59.6	69.5	77.2	81.8	79.8	71.3	60.5	55.9	45.0	62.7
2008	43.9	49.4	53.7	57.4	70.0	76.8	82.5	83.2	75.5	64.3	55.7	42.9	62.9
2009	49.7	47.5	53.2	58.6	71.6	75.3	83.3	80.1	76.6	62.2	51.4	43.4	62.7
2010	46.9	49.9	52.0	53.9	60.8	75.2	83.7	78.9	73.6	64.1	51.2	46.9	61.4
2011	47.4	47.7	50.5	56.5	61.1	72.2	80.1	80.1	78.2	63.6	49.3	46.9	61.1
POR= 25 YRS	46.0	49.7	53.8	58.6	67.0	75.6	82.4	79.9	74.5	64.2	52.1	45.6	62.4

**HEATING DEGREE DAYS (base 65°F) 2011 REDDING (KRDD)**

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
2003-04	0	0	0	36	460	594	658	463	159	131	19	0	2520
2004-05	0	0	10	192	373	502	558	339	297	229	75	28	2603
2005-06	0	0	1	100	358	527	569	386	554	265	12	0	2772
2006-07	0	0	3	90	401	583	601	451	220	181	45	4	2579
2007-08	0	0	29	142	273	612	650	445	342	246	20	0	2759
2008-09	0	0	0	64	282	678	468	483	363	226	34	5	2603
2009-10	0	0	3	113	400	662	552	416	395	331	155	0	3027
2010-11	0	0	0	127	410	553	538	476	445	248	149	46	2992
2011-	0	0	1	79	467	553							

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**COOLING DEGREE DAYS (base 65°F) 2011 REDDING (KRDD)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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
2004	0	0	34	60	121	403	578	485	278	116	0	0	2075
2005	0	0	8	0	119	219	638	540	200	34	0	0	1758
2006	0	3	0	43	187	447	650	449	285	49	2	0	2115
2007	0	0	9	27	190	378	530	467	225	11	3	0	1840
2008	0	0	0	27	184	360	549	569	320	47	9	0	2065
2009	1	0	4	41	246	324	578	476	359	31	0	0	2060
2010	0	0	0	2	33	312	590	436	266	107	3	0	1749
2011	0	0	5	0	32	268	476	474	403	43	0	0	1701

**SNOWFALL (inches) 2011 REDDING (KRDD)**

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													
2003-04						4.3							
2004-05													
2005-													
POR= 9 YRS	0.0	T	0.0	0.0	T	2.0	1.3	0.2	0.2	T	0.1	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. 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.</p>	<p>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 HISTORY GO TO "MULTI-NETWORK MEDADATA SYSTEM", URL IS: <a href="https://mi3.ncdc.noaa.gov/mi3qry/login.cfm">https://mi3.ncdc.noaa.gov/mi3qry/login.cfm</a> SNOWFALL STOPPED MONTH &amp; YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.</p> <p><b>NOTE:</b> The "Period of Record:(POR) for all "averages" is based on the "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.</p>
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# 2011 REDDING CALIFORNIA (KRDD)

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 History

REDDING, CA

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
REDDING MUNICIPAL AP	1947-05-01	1968-01-01	40° 31'	-122° 18'			AIRWAYS
REDDING MUNICIPAL AP	1996-07-01	2000-03-01	40° 30'	-122° 18'	502	.5 MI S	ASOS, COOP, USHCN
REDDING MUNICIPAL AP	2000-03-01	2002-01-11	40° 30'	-122° 17'	497		ASOS, COOP, USHCN
REDDING MUNICIPAL AP	2011-01-01	Present	40° 31'	-122° 17'	497		ASOS, COOP, USHCN
REDDING MUNICIPAL AP	1968-01-01	1986-08-25	40° 30'	-122° 18'			AIRWAYS
REDDING MUNICIPAL AP	1986-08-25	1986-08-31	40° 30'	-122° 18'	502		AIRWAYS, COOP, USHCN, WXSVC
REDDING MUNICIPAL AP	1986-08-31	1996-07-01	40° 30'	-122° 18'	502		COOP, USHCN, WXSVC
REDDING MUNICIPAL AP	2002-01-11	2011-01-01	40° 31'	-122° 17'	497		ASOS, COOP, USHCN

# Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
PRECIP	2002-03-21	2003-03-21	DAILY	2400	PCPNX		
TEMP	1995-07-01	1996-07-01	DAILY	2400	HYGR		
PRECIP	1996-07-01	2002-01-11	HOURLY	2400	TB	RCRD	
TEMP	2003-03-21	2011-01-01	DAILY	2400	ATEMP		
TEMP	2011-01-01	Present	DAILY	2400	ATEMP		
PRECIP	1986-08-25	1995-07-01	HOURLY	2400			
TEMP	2002-03-21	2003-03-21	DAILY	2400	ATEMP		
PRECIP	2011-01-01	Present	HOURLY	2400	AHTB	SHLD;RCRD;HTD	
PRECIP	1995-07-01	1996-07-01	DAILY	2400	SRG		
PRECIP	2002-01-11	2002-03-21	HOURLY	2400	AHTB	RCRD;HTD	
PRECIP	2003-03-21	2011-01-01	DAILY	2400	PCPNX		
PRECIP	2011-01-01	Present	DAILY	2400	PCPNX	SHLD	
TEMP	1986-08-25	1995-07-01	DAILY	2400	HYGR		
TEMP	2002-01-11	2002-03-21	DAILY	2400	ATEMP		
PRECIP	1995-07-01	1996-07-01	HOURLY	2400	F&P	RCRD	
PRECIP	1996-07-01	2002-01-11	DAILY	2400	TB	RCRD	
PRECIP	2002-01-11	2002-03-21	DAILY	2400			
PRECIP	2002-03-21	2003-03-21	HOURLY	2400	AHTB	RCRD;HTD	
PRECIP	2003-03-21	2011-01-01	HOURLY	2400	AHTB	SHLD;RCRD;HTD	
PRECIP	1986-08-25	1995-07-01	DAILY	2400	SRG		
TEMP	1996-07-01	2002-01-11	DAILY	2400	HYGR		

\* For explanation of codes and abbreviations 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>

INQUIRES/COMMENTS CALL: (828) 271-4800, option 2

Fax Number : (828) 271-4876

TDD : (828) 271-4010

Email : [ncdc.info@noaa.gov](mailto:ncdc.info@noaa.gov)

NOAA/National Climatic Data Center

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151 Patton Avenue

Asheville, NC 28801-5001

Visit our Web Site for other weather data: [www.ncdc.noaa.gov](http://www.ncdc.noaa.gov)