

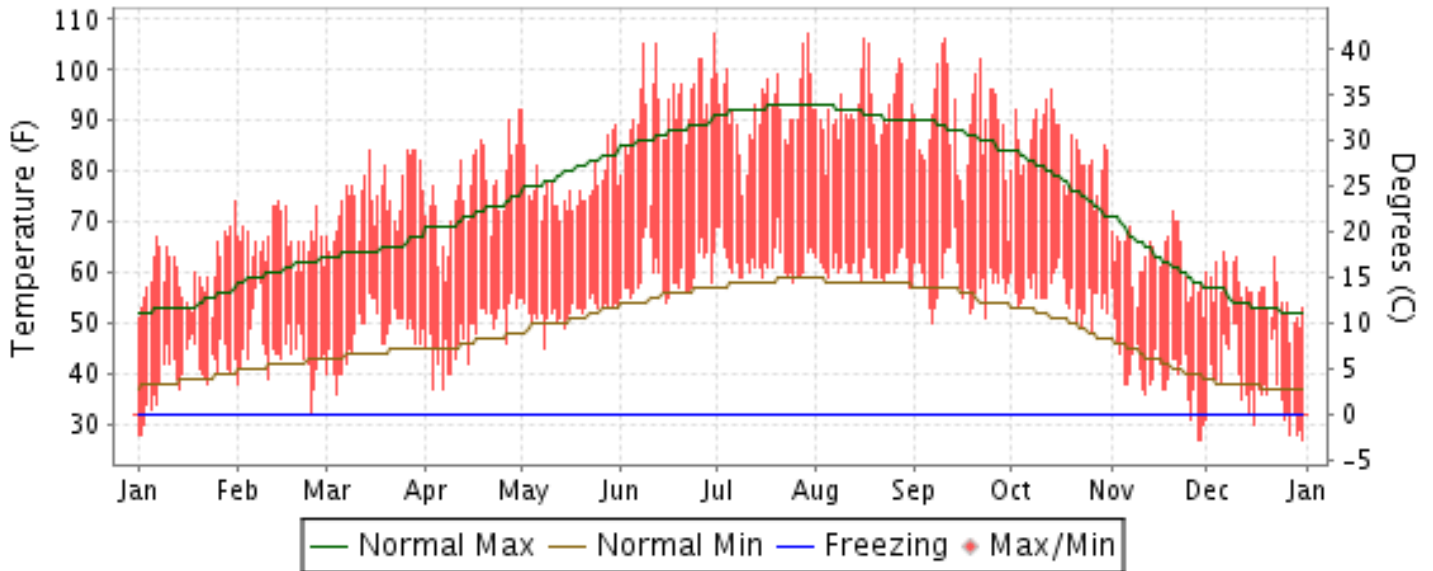


# 2015 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

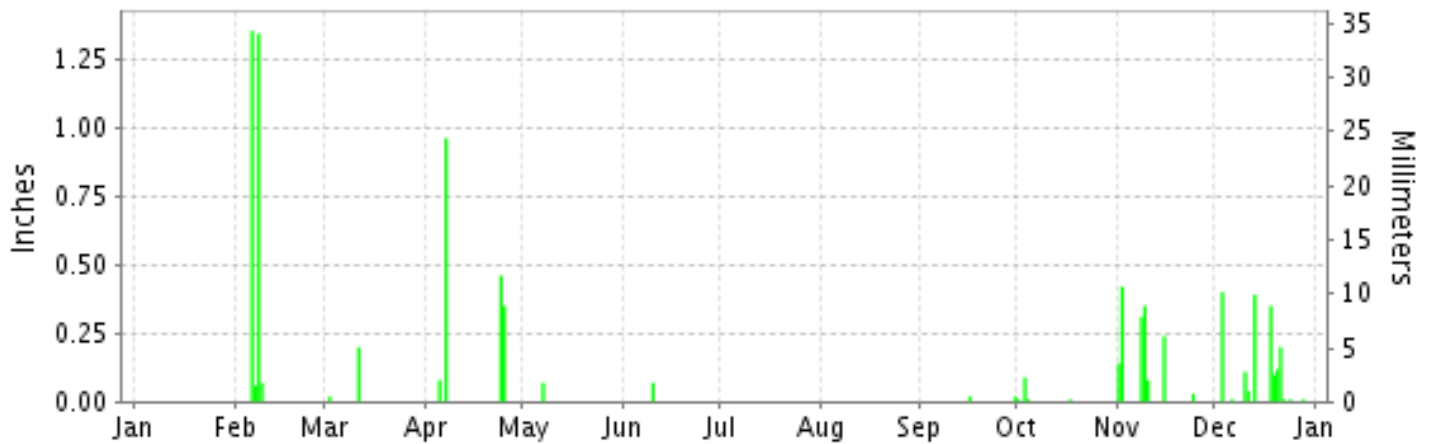
ISSN 0198-0963

## SACRAMENTO, CALIFORNIA (KSAC)

### Daily Max/Min Temperature



### Daily Precipitation



### Daily Station Pressure



I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC DATA CENTER.

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NATIONAL CENTERS for  
ENVIRONMENTAL INFORMATION (NCEI)  
ASHEVILLE, NORTH CAROLINA

*Thomas R. Karl*  
DIRECTOR  
NCEI

# METEOROLOGICAL DATA FOR 2015

## SACRAMENTO (KSAC)

**LATITUDE:**  
38° 30'N

**LONGITUDE:**  
121° 29'W

**ELEVATION (FT):**  
GRND: 15 BARO: 41

**TIME ZONE:**  
PACIFIC (UTC -8)

**WBAN: 23232**

	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	59.9	66.6	74.9	75.9	77.4	92.7	92.3	92.3	89.5	84.3	62.6	55.9	77.0	
	HIGHEST DAILY MAXIMUM	74	74	84	92	92	107	107	106	106	96	72	64	107	
	DATE OF OCCURRENCE	31	14	29+	30	01	30	29	16	10	13	20	06	JUL 29	
	MEAN DAILY MINIMUM	39.9	44.8	47.6	47.9	52.4	59.6	62.1	60.8	58.1	55.5	39.8	37.5	50.5	
	LOWEST DAILY MINIMUM	28	32	36	37	45	54	58	57	50	48	27	27	27	
	DATE OF OCCURRENCE	02+	24	04	06+	08	15	25	31+	06	26	29+	31	DEC 31	
	AVERAGE DRY BULB	49.9	55.7	61.3	61.9	64.9	76.2	77.2	76.5	73.8	69.9	51.2	46.7	63.8	
	MEAN WET BULB	45.8	50.6	53.1	51.5	55.1	61.7	62.8	62.3	59.0	58.4	45.3	43.2	54.1	
	MEAN DEW POINT	42.7	45.9	46.5	41.9	48.7	52.8	54.7	53.6	48.5	50.4	39.4	39.0	47.0	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	2	1	21	21	22	16	7	0	0	0	90
	MAXIMUM <= 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MINIMUM <= 32°	3	1	0	0	0	0	0	0	0	0	4	10	18	
	MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0	
H/C	HEATING DEGREE DAYS	458	255	118	123	37	0	0	0	3	1	404	560	1959	
	COOLING DEGREE DAYS	0	0	11	38	40	340	384	364	275	160	0	0	1612	
RH	MEAN (PERCENT)	82	74	63	55	63	52	54	54	49	57	70	76	62	
	HOUR 04 LST	91	87	85	73	82	76	76	79	72	78	84	87	81	
	HOUR 10 LST	80	68	53	44	51	40	43	41	36	44	60	70	53	
	HOUR 16 LST	67	59	40	33	42	31	33	28	27	36	55	64	43	
	HOUR 22 LST	89	82	71	66	75	60	65	65	59	69	78	83	72	
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	18	7	1	0	0	0	0	0	0	0	2	7	35	
	THUNDERSTORMS	0	1	0	1	0	1	0	0	0	2	0	0	5	
PR	MEAN STATION PRESS. (IN.)	30.16	30.02	30.05	29.94	29.87	29.81	29.84	29.85	29.83	29.91	30.05	30.09	29.95	
	MEAN SEA-LEVEL PRESS. (IN.)	30.19	30.05	30.07	29.97	29.90	29.84	29.87	29.88	29.85	29.93	30.08	30.12	29.98	
WINDS	RESULTANT SPEED (MPH)	0.4	0.3	1.2	2.8	6.7	4.9	6.1	5.4	2.7	1.1	1.7	1.0	2.4	
	RES. DIR. (TENS OF DEGS.)	34	27	27	25	20	20	20	21	22	25	32	17	22	
	MEAN SPEED (MPH)	2.1	4.1	3.8	6.4	7.9	6.1	7.4	6.6	4.7	3.9	4.0	4.9	5.2	
	PREVAIL.DIR.(TENS OF DEGS.)	14	34	34	21	20	20	21	21	20	20	32	15	21	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	21	29	22	26	28	25	23	20	21	24	23	26	29	
	DIR. (TENS OF DEGS.)	33	32	24	32	36	23	21	23	21	34	33	35	32	
	DATE OF OCCURRENCE	31	23	22	15	07	09	22	10	02	29	04	15	FEB 23	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	24	40	32	35	33	36	32	29	28	35	32	39	40	
DIR. (TENS OF DEGS.)	33	33	32	34	21	22	23	22	20	34	33	15	33		
DATE OF OCCURRENCE	31	22	31	15	22	09	08	03	02	29	16	13	FEB 22		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	T	2.82	0.22	1.85	0.07	0.07	T	T	0.04	0.12	1.57	1.75	8.51	
	GREATEST 24-HOUR (IN.)	T	1.41	0.20	0.96	0.07	0.07	T	T	0.02	0.10	0.51	0.45	1.41	
	DATE OF OCCURRENCE	16	08-09	11	07	07	10	10+	07+	30+	03-04	01-02	18-19	FEB 08-09	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	0	4	2	4	1	1	0	0	2	4	7	12	37	
PRECIPITATION 0.10	0	2	1	3	0	0	0	0	0	0	5	7	18		
PRECIPITATION 1.00	0	2	0	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															



**PRECIPITATION (inches) 2015 SACRAMENTO (KSAC)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1986	3.67	8.60	3.20	0.91	0.07	0.00	0.00	0.00	0.60	0.19	0.14	0.76	18.14
1987	2.29	3.23	3.05	0.20	T	T	0.00	0.00	0.00	1.28	2.53	3.25	15.83
1988	2.96	0.99	0.17	1.58	0.89	0.19	0.00	0.00	0.00	0.19	1.68	2.73	11.38
1989	0.71	1.25	6.29	0.31	0.06	0.43	0.00	0.20	2.78	1.76	1.32	0.00	15.11
1990	4.97	2.91	0.93	0.73	2.10	0.00	T	0.00	0.00	0.09	0.43	1.60	13.76
1991	0.36	3.10	6.14	0.29	0.25	0.53	T	0.14	0.04	1.25	0.19	1.60	13.89
1992	1.39	5.47	2.05	0.92	T	0.15	0.00	T	0.00	1.31	0.28	4.94	16.51
1993	8.63	4.94	2.39	0.63	1.14	1.26	0.00	0.00	0.00	0.47	2.28	1.75	23.49
1994	2.12	3.15	0.05	0.67	1.68	0.00	0.00	0.00	0.00			2.68	
1995	9.69	0.20	8.13	1.46	1.06	0.47	0.00	0.00	0.00	T	T	5.49	26.50
1996	4.16	5.49	1.73	1.25	0.79	0.00	0.00	T	T	.67	1.97	6.39	22.45
1997	9.05	0.28	0.34	0.18	0.35	0.59	0.00	0.32	0.16	0.82	4.56	2.91	19.56
1998	6.40	9.95	2.47	1.05	2.98	0.58	0.00	0.00	0.23	0.76	2.84	0.58	27.84
1999	2.63	4.45	1.50	0.89	0.07	0.03	0.00	T	0.00	0.18	1.63	0.06	11.44
2000	6.49	8.49	2.03	1.39	1.17	0.04	0.00	T	0.09	1.62	0.68	0.59	22.59
2001	3.75	4.57	2.04	1.50	T	0.08	T	0.00	0.50	0.36	2.43	6.27	21.50
2002	2.19	1.13	2.87	0.12	2.07	0.00	0.00	0.00	0.00	0.00	2.34	6.26	16.98
2003	1.29	1.29	1.87	2.53	1.17	0.00	T	0.57	T	0.04	1.52	4.23	14.51
2004	2.11	5.01	0.48	0.09	0.17	0.00	0.00	0.00	0.16	2.71	2.69	4.14	17.56
2005	3.83	2.33	3.30	0.84	1.23	0.66	T	0.00	T	0.15	0.85	8.98	22.17
2006	2.53	2.09	5.29	3.27	0.30	0.00	T	0.00	0.00	0.16	1.12	3.01	17.77
2007	0.05	4.44	0.35	1.34	0.41	0.00	0.01	0.00	0.06	1.05	0.85	3.17	11.73
2008	6.67	1.81	0.05	T	0.04	0.00	0.00	0.00	0.00	0.84	2.38	1.51	13.30
2009	1.41	5.07	2.09	1.46	1.01	0.56	T	0.00	0.14	3.24	0.26	3.64	18.88
2010	4.79	2.29	2.98	2.65	0.75	0.00	0.00	0.00	0.01	1.43	2.39	5.55	22.84
2011	1.67	3.39	6.95	0.06	1.02	1.50	0.00	0.00	0.01	1.33	0.74	0.27	16.94
2012	2.43	0.92	4.06	2.42	T	0.03	0.03	T	T	1.14	3.97	6.15	21.15
2013	0.96	0.36	1.38	0.69	0.30	0.22	T	T	0.59	0.00	0.88	0.43	5.81
2014	0.15	4.14	1.77	1.83	T	0.00	0.01	T	0.46	0.53	1.25	8.60	18.74
2015	T	2.82	0.22	1.85	0.07	0.07	T	T	0.04	0.12	1.57	1.75	8.51
POR= 74 YRS	3.47	3.03	2.46	1.23	0.52	0.17	0.02	0.05	0.26	0.93	2.07	3.08	17.29

WBAN : 23232

**AVERAGE TEMPERATURE (°F) 2015 SACRAMENTO (KSAC)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1986	51.4	54.7	58.8	58.4	65.5	71.6	75.0	75.2	66.2	64.8	55.5	45.7	61.9
1987	44.9	51.3	53.8	62.7	69.1	72.4	71.8	74.9	71.8	67.6	53.4	47.2	61.7
1988	48.0	54.2	58.0	60.9	64.7	72.9	80.4	75.9	72.5	66.5	53.8	46.2	62.8
1989	44.1	47.1	55.6	63.2	65.8	71.7	76.2	73.8	69.6	62.4	54.3	44.3	60.7
1990	47.5	48.6	55.4	63.4	65.5	72.4	77.7	76.6	74.0	66.6	53.0	41.0	61.8
1991	47.3	55.0	51.0	58.0	63.3	70.2	77.1	73.2	74.8	68.8	55.9	46.3	61.7
1992	43.6	54.1	56.2	62.1	70.6	70.9	75.3	77.0	72.4	66.6	53.4	44.1	62.2
1993	45.2	49.5	57.9	58.4	64.6	71.7	74.3	74.1	71.5	65.0	51.5	44.3	60.7
1994	47.0	48.8	56.7	60.1	65.3	71.6	74.0	75.2	71.7		47.6	43.7	
1995	51.3	52.1	53.0	57.7	63.1	69.0	74.2	75.1	72.3		59.3	51.1	
1996	48.2	54.3	56.7	61.1	67.0	73.3	78.7	78.3	71.0	63.9	55.0	51.1	63.2
1997	48.3	52.7	57.9	62.4	71.9	72.9	76.5	75.9	75.1	64.1	56.9	46.2	63.4
1998	49.7	50.4	55.1	57.5	58.7	67.0	74.8	76.8	72.6	61.3	52.5	42.5	59.9
1999	44.7	48.1	50.8	57.4	62.8	69.9	72.0	73.0	72.3	65.1	54.6	46.8	59.8
2000	48.8	51.4	55.5	60.7	65.7	73.2	72.1	74.0	71.2	61.9	48.6	47.0	60.8
2001	45.8	48.8	57.2	55.9	71.7	73.4	73.4	74.5	71.1	65.8	55.9	48.8	61.9
2002	44.8	50.7	52.5	58.2	64.1	72.1	75.8	73.6	72.8	62.6	54.5	49.8	61.0
2003	50.7	50.2	55.8	54.3	65.2	72.5	79.3	75.1	73.7	66.5	51.3	49.1	62.0
2004	46.9	50.8	59.8	62.5	66.9	72.3	75.1	75.6	72.1	62.2	51.2	46.7	61.8
2005	45.6	52.4	56.2	57.2	65.0	69.2	78.8	76.3	68.9	63.3	54.6	49.3	61.4
2006	48.1	50.9	49.7	57.4	67.1	74.2	79.1	72.9	70.0	60.8	53.4	46.3	60.8
2007	43.8	50.7	57.8	60.1	66.3	71.8	75.3	75.5	68.6	61.2	55.1	45.7	61.0
2008	45.9	49.2	54.3	57.6	67.0	72.4	75.2	76.0	72.2	64.3	55.5	44.0	61.1
2009	47.4	50.9	54.4	59.5	68.7	71.2	75.4	75.0	74.9	62.2	52.8	45.3	61.5
2010	48.3	52.1	53.7	55.5	61.5	72.5	73.9	72.0	72.6	64.6	52.4	50.0	60.8
2011	46.2	48.2	53.3	58.1	61.8	69.2	74.7	74.4	74.5	64.5	51.5	45.6	60.2
2012	47.8	51.3	52.9	59.4	67.0	71.1	74.5	75.9	72.9	64.9	55.4	47.2	61.7
2013	44.1	49.1	56.9	63.8	68.4	73.4	76.2	74.7	71.1	62.8	55.6	45.3	61.8
2014	50.8	53.8	58.7	61.8	68.9	73.7	77.1	75.2	74.2	67.9	56.3	53.5	64.3
2015	49.9	55.7	61.3	61.9	64.9	76.2	77.2	76.5	73.8	69.9	51.2	46.7	63.8
POR= 74 YRS	45.9	50.2	54.1	58.7	65.3	71.5	75.5	74.7	71.8	64.1	52.9	46.1	60.9

**HEATING DEGREE DAYS (base 65°F) 2015 SACRAMENTO (KSAC)**

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1987-88	1	0	0	11	339	544	522	307	212	138	94	27	2195
1988-89	0	0	3	38	329	576	640	496	285	106	50	3	2526
1989-90	0	0	11	107	316	634	536	453	289	71	53	6	2476
1990-91	0	0	0	24	356	739	543	274	427	205	104	6	2678
1991-92	0	0	0	82	267	572	657	310	265	104	0	9	2266
1992-93	0	0	0	24	340	643	605	426	214	202	55	21	2530
1993-94	0	0	5	33	399	634	550	449	248	147	48	1	2514
1994-95	0	0	0		515	654	415	354	364	210	105	26	
1995-96	0	0	0		166	421	513	302	250	154	21	1	
1996-97	0	0	0	121	294	423	511	336	214	104	7	1	2011
1997-98	0	0	0	56	248	577	465	404	299	233	190	13	2485
1998-99	0	0	8	113	367	689	621	465	431	239	92	29	3054
1999-00	1	0	0	57	303	556	496	389	291	138	83	2	2316
2000-01	0	4	5	123	484	551	588	445	240	276	4	0	2720
2001-02	0	0	0	44	264	496	616	393	380	200	78	0	2471
2002-03	0	0	2	114	310	466	435	408	278	314	85	1	2413
2003-04	0	0	0	33	402	486	552	404	163	116	16	1	2173
2004-05	0	0	13	141	407	563	592	346	266	227	63	20	2638
2005-06	0	0	4	75	304	481	518	385	468	234	31	4	2504
2006-07	0	0	10	131	338	574	623	395	219	161	43	4	2498
2007-08	0	0	28	121	291	587	583	452	326	236	36	0	2660
2008-09	0	0	3	49	277	645	537	389	321	193	23	2	2439
2009-10	0	0	2	101	359	604	510	357	343	276	122	1	2675
2010-11	0	0	0	84	370	458	574	467	355	199	116	38	2661
2011-12	0	0	0	63	396	591	524	392	368	195	36	18	2583
2012-13	0	0	0	68	285	547	640	438	240	83	13	0	2314
2013-	0	0	5	73	275	602							
2013-14	0	0	5	73	275	602	430	305	188	121	17	0	2016
2014-15	0	0	0	30	253	347	458	255	118	123	37	0	1621
2015-	0	0	3	1	404	560							

WBAN : 23232

**COOLING DEGREE DAYS (base 65°F) 2015 SACRAMENTO (KSAC)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1986	0	0	10	9	95	207	315	321	95	47	0	0	1099
1987	0	0	0	34	171	234	220	314	212	100	0	0	1285
1988	0	0	5	22	88	269	484	346	233	92	0	0	1539
1989	0	0	1	60	83	211	354	280	158	32	0	0	1179
1990	0	0	0	33	75	236	399	367	276	82	0	0	1468
1991	0	0	0	3	54	171	379	261	300	208	0	0	1376
1992	0	0	0	23	180	193	330	381	231	81	0	0	1419
1993	0	0	1	9	49	227	294	291	207	38	0	0	1116
1994	0	0	0	9	67	205	285	320	209		0	0	
1995	0	0	0	0	54	152	294	322	228		0	0	
1996	0	0	0	42	91	258	430	422	187	96	0	0	1526
1997	0	0	1	31	227	244	362	348	312	33	11	0	1569
1998	0	0	0	12	2	78	311	371	241	8	0	0	1023
1999	0	0	0	17	30	184	225	253	225	69	0	0	1003
2000	0	0	2	15	111	255	227	290	198	32	0	0	1130
2001	0	0	4	9	219	259	266	300	190	75	0	0	1322
2002	0	0	1	4	57	220	341	270	245	48	0	0	1186
2003	0	0	0	0	97	237	451	323	267	86	0	0	1461
2004	0	0	8	47	82	226	320	337	234	61	0	0	1315
2005	0	0	1	0	71	155	435	359	127	29	0	0	1177
2006	0	0	0	11	100	284	445	253	167	7	0	0	1267
2007	0	0	2	20	91	213	324	329	144	8	0	0	1131
2008	0	0	0	21	107	230	322	350	225	33	0	0	1288
2009	0	0	0	36	145	193	329	316	303	22	0	0	1344
2010	0	0	0	1	22	232	285	226	235	76	2	0	1079
2011	0	0	2	1	24	172	309	298	294	53	0	0	1153
2012	0	0	0	37	103	211	305	345	245	72	0	0	1318
2013	0	0	0	58	130	257	353	310	198	13	0	0	1319
2014	0	0	0	32	145	268	385	324	286	127	0	0	1567
2015	0	0	11	38	40	340	384	364	275	160	0	0	1612

**SNOWFALL (inches) 2015 SACRAMENTO (KSAC)**

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
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	T	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	T	0.0	0.0	0.0	0.0	0.0	0.0	T
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	0.0	0.0	0.0	0.0	0.0
1991-92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	T	0.0	T	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	0.0	0.0	0.0	0.0	0.0
1995-96	0.0	0.0	0.0	0.0	0.0	T	0.0	T	0.0	0.0	0.0	0.0	T
1996-97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1997-98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1998-99													
1999-00													
2000-01													
2001-02													
2002-03													
2003-04													
2004-05													
2005-													
POR= 50 YRS	0.0	0.0	0.0	0.0	0.0	T	0.0	T	T	0.0	T	0.0	T

WBAN : 23232

**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. ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM. PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH. POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY BE MISSING. WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED. 0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05. CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA FOR CLOUDS AT OR BELOW 12,000 FEET CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS.</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</p>	<p>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 EIGHTHS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER. STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED STATION HISTORY INFORMATION GO TO "Historical Observing Metadata Repository", URL IS: <a href="http://www.ncdc.noaa.gov/homr/">http://www.ncdc.noaa.gov/homr/</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 "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.</p>
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# 2015 SACRAMENTO CALIFORNIA (KSAC)

Sacramento, and the lower Sacramento Valley, has a mild climate with abundant sunshine most of the year. A nearly cloud-free sky prevails throughout the summer months, and in much of the spring and fall. The summers are usually dry with warm to hot afternoons and mostly mild nights. The rainy season generally is November through March. About 75 percent of the annual precipitation occurs then, but measurable rain falls only on an average of nine days per month during that period. The shielding effect of mountains to the north, east, and west usually modifies winter storms. The Sierra Nevada snow fields, only 70 miles east of Sacramento, usually provide an adequate water supply during the dry season, and an important recreational area in winter. Heavy snowfall and torrential rains frequently fall on the western Sierra slopes, and may produce flood conditions along the Sacramento River and its tributaries. In the valley, however, excessive rainfall as well as damaging winds are rare.

The prevailing wind at Sacramento is southerly every month but November, when it is northerly. Topographic effects, the north-south alignment of the valley, the coast range, and the Sierra Nevada strongly influence the wind flow in the valley. A sea level gap in the coast range permits cool, oceanic air to flow, occasionally, into the valley during the summer season with a marked lowering of temperature through the Sacramento-San Joaquin River Delta to the capital. In the spring and fall, a large north-to-south pressure gradient develops over the northern part of the state. Air flowing over the Siskiyou mountains to the north warms and dries as it descends to the valley floor. This gusty, blustery north wind is a local variation of the chinook. It apparently carries a form of pollen which may cause allergic responses by susceptible individuals.

As is well known, relative humidity has a marked influence on the reactions of plants and animals to temperature. The extremely low relative humidity that ordinarily accompanies high temperatures in this valley should be considered when comparing temperatures here with those of cities in more humid regions. The extreme hot spells, with temperatures exceeding 100 degrees, are usually caused by air flow from a sub-tropical high pressure area that brings light to nearly calm winds and humidities below 20 percent.

Thunderstorms are few in number, usually mild in character, and occur mainly in the spring. An occasional thunderstorm may drift over the valley from the Sierra Nevada in the summer. Snow falls so rarely, and in such small amounts, that its occurrence may be disregarded as a climatic feature. Heavy fog occurs mostly in midwinter, never in summer, and seldom in spring or autumn. An occasional winter fog, under stagnant atmospheric conditions, may continue for several days. Light and moderate fogs are more frequent, and may come anytime during the wet, cold season. The fog is the radiational cooling type, and is usually confined to the early morning hours.

Sacramento is the geographical center of the great interior valley of California that reaches from Red Bluff in the north to Bakersville in the south. This predominantly agricultural region produces an extremely wide and abundant variety of fruits, grains, and vegetables ranging from the semi-tropical to the hardier varieties.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is December 1 and the average last occurrence in the spring is February 14.

# Station History

SACRAMENTO, CA

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
SACRAMENTO MUNICIPAL AP	1930-06-30	1948-01-01	38° 31'	-121° 30'			AIRWAYS
SACRAMENTO MUNICIPAL AP	1948-01-01	1956-01-01	38° 31'	-121° 30'	23		AIRWAYS, COOP
SACRAMENTO MUNICIPAL AP	1956-01-01	1969-12-01	38° 31'	-121° 30'	43		AIRWAYS, COOP
SACRAMENTO EXECUTIVE AP	1970-01-01	1973-01-01	38° 31'	-121° 30'	17		AIRWAYS, COOP
EXECUTIVE	1928-07-01	1929-06-30	38° 31'	-121° 30'			AIRWAYS
EXECUTIVE	1930-01-01	1930-06-30	38° 31'	-121° 30'			AIRWAYS
SACRAMENTO EXECUTIVE AP	1998-04-15	2002-01-15	38° 30'	-121° 29'	15	.1 MI SSE	AIRWAYS, ASOS, COOP
SACRAMENTO EXECUTIVE AP	2011-01-01	Present	38° 30'	-121° 29'	15		AIRWAYS, ASOS, COOP
SACRAMENTO EXECUTIVE AP	1981-12-31	1982-01-01	38° 31'	-121° 30'	17		COOP
SACRAMENTO EXECUTIVE AP	2002-01-15	2011-01-01	38° 30'	-121° 29'	15		AIRWAYS, ASOS, COOP
SACRAMENTO EXECUTIVE AP	1969-12-01	1970-01-01	38° 31'	-121° 30'	43		AIRWAYS, COOP
SACRAMENTO EXECUTIVE AP	1974-01-01	1981-12-31	38° 31'	-121° 30'	17		AIRWAYS, COOP
SACRAMENTO EXECUTIVE AP	1973-01-01	1974-01-01	38° 31'	-121° 30'	17		COOP, WXSVC
SACRAMENTO EXECUTIVE AP	1982-01-01	1998-04-15	38° 31'	-121° 30'	18		COOP

# Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
TEMP	2002-01-15	2007-08-15	DAILY	2400	ATEMP		
TEMP	2007-08-15	Present	DAILY	2400	ATEMP		
PRECIP	1930-01-01	1982-01-01	DAILY	2400	TB	RCRD	
PRECIP	1998-04-15	2002-01-15	DAILY	2400	TB	RCRD	
TEMP	1998-04-15	2002-01-15	DAILY	2400	HYGR		
PRECIP	2007-08-15	Present	HOURLY	2400	AHTB	SHLD; RCRD; HTD	
PRECIP	1992-11-19	1995-07-01	HOURLY	2400			
PRECIP	1995-07-01	1998-04-15	HOURLY	2400	TB	RCRD	
TEMP	1995-07-01	1998-04-15	DAILY	2400	HYGR		
PRECIP	1998-04-15	2002-01-15	HOURLY	2400	TB	RCRD	
WIND	2002-01-15	2007-08-15	HOURLY	UNKN	ANEMCUP		
PRECIP	1928-07-01	1929-06-30	DAILY	2400	TB	RCRD	
TEMP	1982-01-01	1992-11-19	DAILY	2400			
PRECIP	1992-11-19	1995-07-01	DAILY	2400	TB	RCRD	
WIND	2007-08-15	Present	HOURLY	UNKN	ANEMSONIC		
PRECIP	1982-01-01	1992-11-19	HOURLY	2400			
TEMP	1992-11-19	1995-07-01	DAILY	2400	HYGR		
PRECIP	2007-08-15	Present	DAILY	2400	PCPNX	SHLD	
TEMP	1930-01-01	1982-01-01	DAILY	2400			
PRECIP	1982-01-01	1992-11-19	DAILY	2400	TB	RCRD	
WIND	1998-04-15	2002-01-15	HOURLY	UNKN	ANEMCUP		
PRECIP	2002-01-15	2007-08-15	DAILY	2400	PCPNX	SHLD	
TEMP	1928-07-01	1929-06-30	DAILY	2400			
PRECIP	1995-07-01	1998-04-15	DAILY	2400	TB	RCRD	
PRECIP	2002-01-15	2007-08-15	HOURLY	2400	AHTB	SHLD; RCRD; HTD	

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

Other Station Information can be found at:

ASOS Implementation by NWS: <http://www.nws.noaa.gov/ops2/Surface/asosimplementation.htm>

Station Metadata website: <http://www.ncdc.noaa.gov/homr>

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