

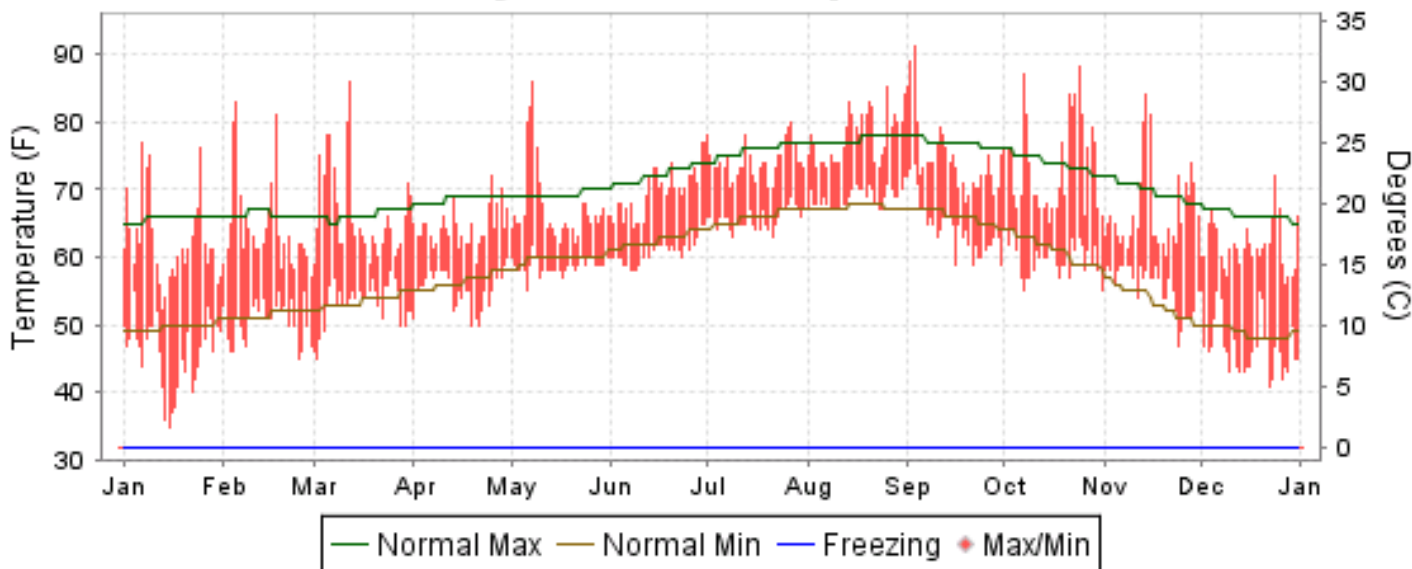


# 2007 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

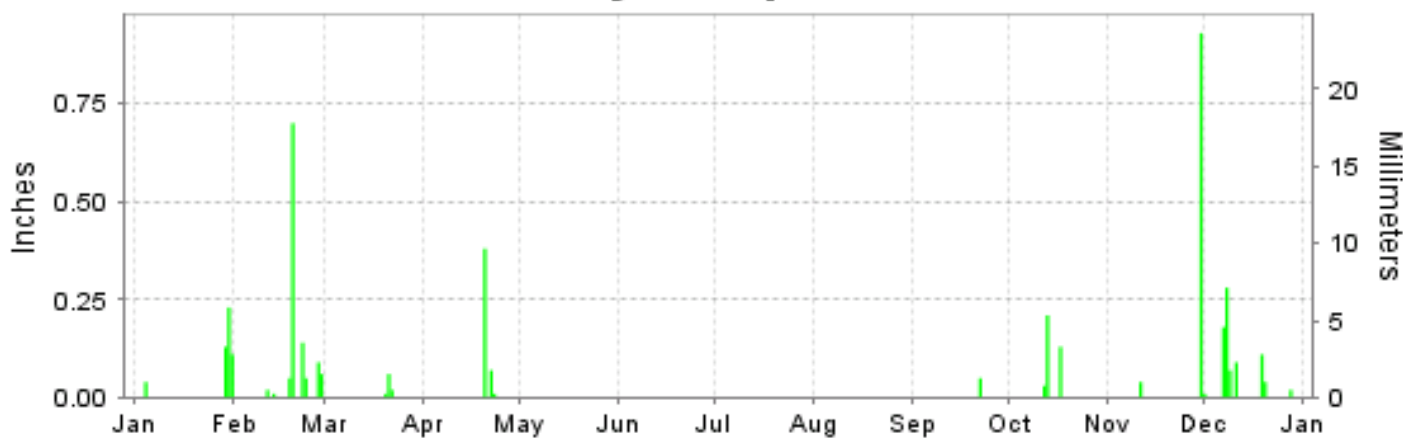
ISSN 0198-0971

## SAN DIEGO, CALIFORNIA (KSAN)

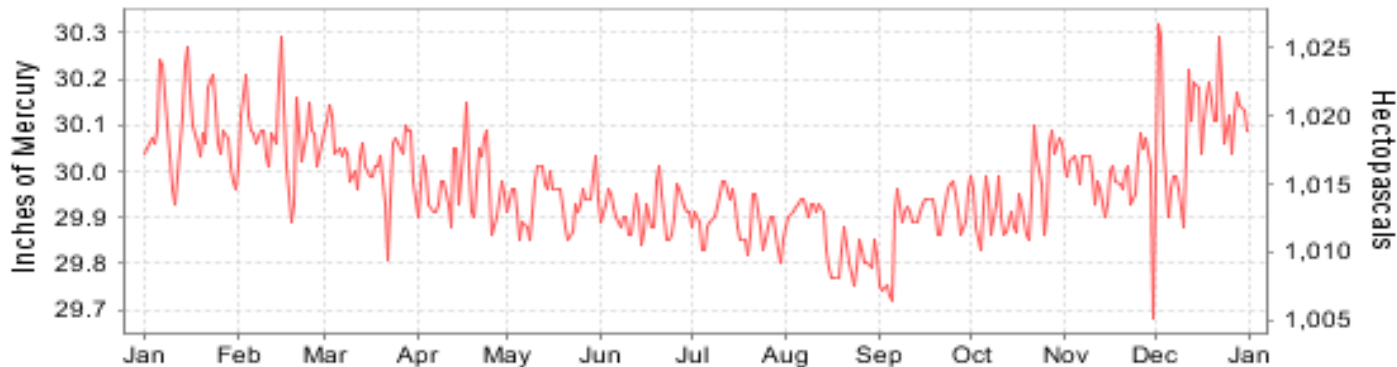
### Daily Max/Min Temperature



### 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.

NATIONAL  
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ENVIRONMENTAL SATELLITE, DATA  
AND INFORMATION SERVICE

NATIONAL  
CLIMATIC DATA CENTER  
ASHEVILLE, NORTH CAROLINA

*Thomas R. Karl*  
DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

# METEOROLOGICAL DATA FOR 2007

## SAN DIEGO (KSAN)

LATITUDE:  
32° 44'N

LONGITUDE:  
-117° 10'W

ELEVATION (FT):  
GRND: 13 BARO: 81

TIME ZONE:  
PACIFIC (UTC -8)

WBAN: 23188

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	62.3	64.4	66.5	64.4	67.3	69.6	74.0	77.8	74.6	73.5	66.8	61.6	68.6	
	HIGHEST DAILY MAXIMUM	77	83	86	72	86	77	80	85	91	88	84	72	91	
	DATE OF OCCURRENCE	07	05	12	25	08	30+	27	26	03	24	14	24	SEP 03	
	MEAN DAILY MINIMUM	45.8	50.6	53.3	55.3	58.7	61.0	65.6	68.8	64.5	59.9	55.6	46.8	57.2	
	LOWEST DAILY MINIMUM	35	45	45	50	55	58	63	67	59	55	47	41	35	
	DATE OF OCCURRENCE	15	24	02	21+	06	09+	21+	24+	30+	31+	24	22	JAN 15	
	AVERAGE DRY BULB	54.1	57.5	59.9	59.9	63.0	65.3	69.8	73.3	69.6	66.7	61.2	54.2	62.9	
	MEAN WET BULB	45.5	50.8	51.8	53.7	55.6	58.8	63.1	65.8	62.2	57.5	54.4	47.7	55.6	
	MEAN DEW POINT	34.0	44.5	44.1	48.8	49.6	54.6	59.7	61.7	57.4	49.7	48.3	40.5	49.4	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	0	0	0	0	0	1	0	0	0	1
	MAXIMUM <= 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MINIMUM <= 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H/C	HEATING DEGREE DAYS	332	208	159	147	76	25	0	0	0	22	122	326	1417	
	COOLING DEGREE DAYS	0	4	10	0	21	40	159	264	142	83	14	0	737	
RH	MEAN (PERCENT)	50	65	61	70	66	71	73	70	67	61	67	63	65	
	HOUR 04 LST	53	72	69	76	71	78	80	76	75	69	71	70	72	
	HOUR 10 LST	40	57	51	64	60	65	68	63	60	53	57	51	57	
	HOUR 16 LST	51	61	56	64	61	66	66	64	62	55	67	61	61	
	HOUR 22 LST	55	69	69	74	69	76	77	76	71	66	71	70	70	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	0	2	0	0	0	0	0	0	2	3	1	1	9	
	THUNDERSTORMS	0	0	1	0	0	0	0	1	0	0	0	0	2	
CLOUDNESS	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.)	30.09	30.06	30.03	29.98	29.93	29.91	29.89	29.81	29.89	29.95	29.98	30.10	29.97	
	MEAN SEA-LEVEL PRESS. (IN.)	30.12	30.08	30.06	30.01	29.97	29.94	29.92	29.84	29.92	29.98	30.02	30.13	30.00	
WINDS	RESULTANT SPEED (MPH)	1.5	4.1	3.5	3.9	4.3	4.1	4.0	4.1	3.0	2.6	1.7	1.5	3.1	
	RES. DIR. (TENS OF DEGS.)	27	28	28	24	26	25	24	27	27	29	29	28	27	
	MEAN SPEED (MPH)	5.2	6.1	6.0	6.8	7.0	6.6	6.3	6.3	5.8	4.7	4.0	4.3	5.8	
	PREVAIL.DIR.(TENS OF DEGS.)	29	29	29	29	29	29	21	29	29	29	30	29	29	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	26	25	32	26	20	18	18	20	21	21	24	24	32	
	DIR. (TENS OF DEGS.)	27	21	29	27	32	28	29	30	19	29	17	16	29	
	DATE OF OCCURRENCE	05	19	27	12	06	20	13	26	21	10	30	07	MAR 27	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	32	31	38	31	23	22	21	26	25	26	31	30	38	
	DIR. (TENS OF DEGS.)	26	21	28	25	31	28	30	30	18	29	17	16	28	
DATE OF OCCURRENCE	05	19	27	12	06	20	13	26	21	05	30	07	MAR 27		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	0.51	1.12	0.09	0.46	T	0.00	0.00	0.00	0.05	0.37	0.97	0.80	4.37	
	GREATEST 24-HOUR (IN.)	0.36	0.75	0.07	0.38	T	0.00	0.00	0.00	0.05	0.24	0.93	0.34	0.93	
	DATE OF OCCURRENCE	29-30	18-19	20-21	20	21+				22	12-13	30	08-09	NOV 30	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	4	8	3	3	0	0	0	0	1	3	2	8	32	
PRECIPITATION 0.10	3	2	0	1	0	0	0	0	0	2	1	3	12		
PRECIPITATION 1.00	0	0	0	0	0	0	0	0	0	0	0	0	0		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)														
	GREATEST 24-HOUR (IN.)														
	DATE OF OCCURRENCE														
	NUMBER OF DAYS WITH:														
SNOWFALL >= 1.0															



**PRECIPITATION (inches) 2007 SAN DIEGO (KSAN)**

<b>YEAR</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	<b>ANNUAL</b>
1978	5.95	2.64	5.00	0.73	0.04	T	0.00	T	0.72	0.05	2.09	2.19	19.41
1979	5.82	0.85	3.71	0.02	0.09	0.01	0.09	0.01	0.00	0.73	0.27	0.02	11.62
1980	5.58	4.47	2.71	1.18	0.65	0.01	T	0.00	T	0.05	0.00	0.31	14.96
1981	1.48	2.26	3.74	0.22	0.04	0.00	T	0.00	0.03	0.14	1.79	0.54	10.24
1982	2.71	0.88	4.74	0.62	0.01	0.04	0.00	T	0.38	0.05	2.10	1.43	12.96
1983	2.10	3.88	6.57	1.74	0.01	T	0.01	0.39	0.21	0.40	1.94	1.53	18.78
1984	0.46	0.09	0.04	0.62	0.00	0.04	0.19	0.06	T	0.29	2.37	4.55	8.71
1985	0.52	0.77	0.58	0.32	T	T	0.00	T	0.20	0.29	4.92	1.06	8.66
1986	0.75	2.59	3.12	1.17	0.00	T	0.01	0.00	1.04	1.39	1.16	0.95	12.18
1987	1.68	1.53	1.04	0.78	0.03	T	0.03	0.01	0.70	1.74	1.33	2.73	11.60
1988	0.89	1.37	0.59	3.71	0.08	0.00	T	T	T	T	1.39	2.23	10.26
1989	0.42	0.70	0.69	0.12	0.04	0.06	0.00	T	0.23	0.47	0.09	1.01	3.83
1990	2.52	1.13	0.25	0.76	0.51	0.87	T	0.01	T	T	0.65	0.59	7.29
1991	1.06	2.46	6.96	0.05	0.01	T	0.24	0.01	0.28	0.69	0.05	1.70	13.51
1992	1.81	3.34	4.42	0.28	0.07	0.04	0.03	0.05	0.00	0.18	0.03	2.56	12.81
1993	9.09	4.73	1.22	0.00	0.01	0.41	0.03	T	T	0.22	0.77	0.78	17.26
1994	0.70	2.75	3.67	0.93	0.07	T	0.03	0.01	T	0.01	0.46	0.80	9.43
1995	8.06	1.93	3.81	0.96	0.59	0.46	0.05	0.00	T	T	0.30	0.88	17.04
1996	1.52	0.88	1.10	0.36	0.02	0.00	.09	T	.03	.94	1.70	.63	7.27
1997	3.02	0.31	0.00	0.28	T	T	T	0.00	0.85	0.02	1.17	1.35	7.00
1998	2.68	7.65	2.21	1.11	0.64	0.10	0.20	T	0.03	0.08	0.69	0.66	16.05
1999	1.54	0.70	1.09	1.62	0.06	0.04	T	0.00	0.02	0.00	0.04	0.32	5.43
2000	0.17	3.67	1.00	0.54	T	T	0.00	0.01	T	1.24	0.26	0.01	6.90
2001	3.28	2.38	0.63	0.76	0.01	0.00	T	0.00	0.00	0.00	0.95	0.46	8.47
2002	0.32	0.17	0.46	0.63	T	T	0.00	T	0.31	0.04	0.32	1.98	4.23
2003	0.02	4.88	1.36	1.41	0.30	T	T	0.00	T	T	0.60	0.61	9.18
2004	0.34	2.81	0.22	0.60	T	0.00	0.00	0.00	T	4.98	0.33	4.01	13.29
2005	4.49	5.83	2.12	0.59	0.12	0.02	0.01	T	0.10	0.46	0.12	0.25	14.11
2006	0.36	1.11	1.36	0.88	0.77	T	0.04	0.01	0.00	0.76	0.15	0.71	6.15
2007	0.51	1.12	0.09	0.46	T	0.00	0.00	0.00	0.05	0.37	0.97	0.80	4.37
POR= 81 YRS	1.96	2.05	1.72	0.76	0.19	0.06	0.02	0.07	0.18	0.47	1.00	1.66	10.14

WBAN : 23188

**AVERAGE TEMPERATURE (°F) 2007 SAN DIEGO (KSAN)**

<b>YEAR</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	<b>ANNUAL</b>
1978	61.0	60.9	64.3	63.4	68.2	71.3	71.6	72.9	74.0	70.1	61.7	55.2	66.2
1979	56.9	56.9	60.1	63.4	65.6	70.2	71.8	73.9	76.3	68.7	62.4	60.6	65.6
1980	61.1	63.5	61.5	63.9	63.8	68.5	72.9	74.2	70.4	67.3	62.7	60.8	65.9
1981	61.3	62.2	61.1	64.4	67.3	72.9	75.6	75.8	73.7	67.1	63.5	60.3	67.1
1982	56.6	60.7	60.5	63.8	65.8	66.7	71.9	73.5	73.1	70.1	62.1	57.4	65.2
1983	60.7	60.9	62.0	62.4	66.2	68.1	72.6	77.4	76.8	72.2	64.4	60.6	67.0
1984	61.2	60.2	63.7	64.3	68.1	69.9	77.2	76.6	78.9	68.5	61.4	56.7	67.2
1985	57.0	57.2	58.9	63.6	64.8	69.0	75.3	72.4	69.8	67.9	60.1	58.0	64.5
1986	61.0	58.9	60.5	62.8	64.6	67.4	69.6	71.8	66.9	65.5	62.8	57.6	64.1
1987	55.4	58.0	59.1	63.4	64.7	65.8	67.1	69.9	69.9	69.5	61.8	53.9	63.2
1988	56.7	59.9	61.6	62.4	63.9	64.9	70.4	71.0	70.0	66.7	60.1	56.0	63.6
1989	54.7	56.7	59.8	65.6	63.7	66.0	70.1	71.0	70.4	66.3	63.1	58.7	63.8
1990	56.6	55.2	58.7	63.2	64.3	69.0	72.3	71.6	71.7	68.6	62.7	55.6	64.1
1991	57.4	59.4	56.5	61.7	62.1	64.1	67.4	68.9	69.4	68.0	62.3	57.3	62.9
1992	57.4	61.1	60.4	67.0	68.0	68.1	71.8	74.9	72.4	68.2	62.6	55.3	65.6
1993	56.9	58.0	61.3	63.8	66.0	68.6	69.8	70.2	69.0	67.3	61.6	57.0	64.1
1994	57.9	56.5	60.4	61.0	62.1	68.1	69.5	74.0	72.5	66.8	56.4	55.8	63.4
1995	56.9	61.4	60.4	61.5	62.0	64.8	69.0	71.9	71.5	67.1	63.2	58.3	64.0
1996	57.6	58.8	60.1	64.6	66.8	67.8	70.0	72.8	70.6	64.3	61.6	57.8	64.4
1997	58.0	58.4	61.6	62.5	68.7	67.5	69.3	72.9	75.2	68.7	64.0	57.4	65.4
1998	58.2	57.3	59.3	59.6	62.8	65.7	68.8	72.8	70.3	65.7	59.7	55.4	63.0
1999	57.5	57.8	58.3	58.9	60.5	62.8	68.5	68.0	67.0	68.8	60.5	57.8	62.2
2000	58.2	59.0	58.1	62.4	64.6	68.2	69.2	72.0	70.5	65.1	58.4	58.1	63.7
2001	54.7	54.9	58.9	58.5	63.7	67.6	69.0	69.6	68.2	66.3	61.4	55.5	62.4
2002	55.7	57.5	57.7	59.6	61.9	64.7	67.8	68.9	70.1	64.2	63.4	56.8	62.4
2003	61.7	59.0	60.3	59.9	62.4	64.2	70.0	72.7	69.9	67.7	60.8	56.9	63.8
2004	56.9	56.7	62.6	64.4	68.5	67.8	72.1	70.8	72.6	65.4	60.1	57.8	64.6
2005	58.8	59.8	61.0	61.8	65.5	66.4	70.0	71.0	68.5	65.9	62.8	58.5	64.2
2006	57.0	58.3	57.2	61.9	64.7	70.8	76.3	73.1	70.2	65.8	63.4	56.5	64.6
2007	54.1	57.5	59.9	59.9	63.0	65.3	69.8	73.3	69.6	66.7	61.2	54.2	62.9
POR= 81 YRS	56.6	56.4	59.0	60.7	63.3	65.5	69.9	71.2	69.5	66.5	61.1	57.4	63.1

**HEATING DEGREE DAYS (base 65°F) 2007 SAN DIEGO (KSAN)**

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1978-79	0	0	0	0	102	297	244	219	153	45	20	6	1086
1979-80	0	0	0	4	75	136	117	50	104	61	43	1	591
1980-81	0	0	0	6	75	133	113	101	116	40	1	0	585
1981-82	0	0	0	9	57	136	258	119	139	64	9	2	793
1982-83	0	0	0	1	93	228	137	110	88	83	9	0	749
1983-84	0	0	0	0	66	130	123	134	51	43	4	0	551
1984-85	0	0	0	4	104	250	238	219	183	60	18	2	1078
1985-86	0	0	0	3	145	211	118	173	132	85	29	0	896
1986-87	0	0	7	10	66	223	291	197	178	72	21	6	1071
1987-88	0	0	0	0	98	338	250	147	125	85	53	22	1118
1988-89	0	0	0	4	141	275	313	237	158	37	40	14	1219
1989-90	0	0	1	13	67	188	252	268	185	52	39	1	1066
1990-91	0	0	0	3	88	284	227	152	254	104	96	28	1236
1991-92	0	0	0	24	96	231	228	115	136	8	1	0	839
1992-93	0	0	0	0	84	294	240	191	111	44	7	6	977
1993-94	0	0	0	4	103	242	214	235	147	116	85	1	1147
1994-95	0	0	0	12	249	276	242	106	136	105	87	24	1237
1995-96	0	0	0	3	49	200	223	171	146	54	6	0	852
1996-97	0	0	0	45	115	216	217	185	124	81	0	1	984
1997-98	0	0	0	2	65	227	203	208	172	155	69	9	1110
1998-99	1	0	0	13	152	293	224	198	200	189	132	64	1466
1999-00	4	0	3	3	130	217	212	171	206	82	23	0	1051
2000-01	0	0	0	27	191	208	314	281	183	191	39	5	1439
2001-02	0	0	0	4	107	289	283	208	219	154	101	18	1383
2002-03	0	0	1	36	63	248	117	163	151	150	82	33	1044
2003-04	0	0	0	5	122	243	247	236	99	43	0	0	995
2004-05	0	0	0	30	142	218	193	139	118	101	19	0	960
2005-06	0	0	0	21	79	197	240	183	233	86	19	0	1058
2006-07	0	0	0	11	68	255	332	208	159	147	76	25	1281
2007-	0	0	0	22	122	326							

WBAN : 23188

**COOLING DEGREE DAYS (base 65°F) 2007 SAN DIEGO (KSAN)**

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1978	1	7	38	4	115	194	213	251	276	166	11	0	1276
1979	0	0	10	6	46	169	216	283	348	124	5	8	1215
1980	2	13	3	35	15	110	253	289	170	86	15	7	998
1981	7	29	0	26	81	244	335	343	265	80	21	0	1431
1982	0	7	6	32	42	58	219	271	250	164	12	0	1061
1983	11	0	1	9	51	99	242	392	364	231	55	0	1455
1984	13	0	15	31	107	156	387	366	422	119	4	0	1620
1985	0	7	0	22	19	128	325	235	153	104	6	0	999
1986	2	11	4	29	23	78	152	218	73	31	9	0	630
1987	0	6	5	29	17	35	71	158	154	147	10	0	632
1988	0	5	28	16	25	26	176	193	161	64	0	5	699
1989	0	13	2	63	5	48	165	193	168	58	17	0	732
1990	0	0	2	6	21	127	233	211	209	123	25	0	957
1991	0	0	0	9	11	10	80	130	138	122	21	0	521
1992	0	12	1	72	99	100	216	313	228	106	20	0	1167
1993	0	0	4	12	47	119	155	170	126	81	8	0	722
1994	0	0	10	3	1	100	146	289	231	76	0	0	856
1995	0	14	1	8	1	27	133	223	199	75	2	0	683
1996	0	0	4	53	70	92	164	251	175	30	19	0	858
1997	6	4	23	12	119	83	138	252	314	123	40	2	1116
1998	0	0	1	0	6	34	127	250	167	40	0	0	625
1999	0	0	0	14	0	5	118	100	69	126	3	0	435
2000	8	5	0	8	19	101	137	226	170	39	0	1	714
2001	0	3	2	5	4	90	132	149	102	53	4	0	544
2002	0	5	0	0	9	16	94	125	157	18	23	0	447
2003	20	0	11	3	8	18	161	246	153	98	2	0	720
2004	0	0	32	30	115	92	226	186	235	48	2	1	967
2005	8	0	3	12	40	47	159	196	112	52	20	3	652
2006	2	1	0	0	18	181	357	257	163	46	29	0	1054
2007	0	4	10	0	21	40	159	264	142	83	14	0	737

**SNOWFALL (inches) 2007 SAN DIEGO (KSAN)**

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	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	T	0.0	0.0	0.0	T
1985-86	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T
1986-87	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1987-88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1988-89	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1989-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1993-94	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994-95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1995-96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1996-97	0.0												
1997-98				0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	0.0	
1998-99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	0.0	T
1999-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2000-01													
2001-02													
2002-03													
2003-04													
2004-05													
2005-													
POR= 80 YRS	0.0	0.1	0.0	0.0	T	0.0	0.0	0.0	T	T	0.0	0.0	0.1

WBAN : 23188

**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> <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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# 2007 SAN DIEGO CALIFORNIA (KSAN)

The city of San Diego is located on San Diego Bay in the southwest corner of southern California. The prevailing winds and weather are tempered by the Pacific Ocean, with the result that summers are cool and winters warm in comparison with other places along the same general latitude. Temperatures of freezing or below have rarely occurred at the station since the record began in 1871, but hot weather, 90 degrees or above, is more frequent.

Dry easterly winds sometimes blow in the vicinity for several days at a time, bringing temperatures in the 90s and at times even in the 100s in the eastern sections of the city and outlying suburbs. At the National Weather Service station itself, however, there have been relatively few days on which 100 degrees or higher was reached.

As these hot winds are predominant in the fall, highest temperatures occur in the months of September and October. Records show that over 60 percent of the days with 90 degrees or higher have occurred in these two months. High temperatures are almost invariably accompanied by very low relative humidities, which often drop below 20 percent and occasionally below 10 percent.

A marked feature of the climate is the wide variation in temperature within short distances. In nearby valleys daytimes are much warmer in summer and nights noticeably cooler in winter, and freezing occurs much more frequently than in the city. Although records show unusually small daily temperature ranges, only about 15 degrees between the highest and lowest readings, a few miles inland these ranges increase to 30 degrees or more.

Strong winds and gales associated with Pacific, or tropical storms, are infrequent due to the latitude.

The seasonal rainfall is about 10 inches in the city, but increases with elevation and distance from the coast. In the mountains to the north and east the average is between 20 and 40 inches, depending on slope and elevation. Most of the precipitation falls in winter, except in the mountains where there is an occasional thunderstorm. Eighty-five percent of the rainfall occurs from November through March, but wide variations take place in monthly and seasonal totals. Infrequent measurable amounts of hail occur in San Diego, but snow is practically unknown at the Weather Service Office location. In each occurrence of snowfall only a trace was recorded officially, but in some locations amounts up to or slightly exceeding a half-inch fell, and remained on the ground for an hour or more.

As on the rest of the Pacific Coast, a dominant characteristic of spring and summer is the nighttime and early morning cloudiness. Low clouds form regularly and frequently extend inland over the coastal valleys and foothills, but they usually dissipate during the morning and the afternoons are generally clear.

Considerable fog occurs along the coast, but the amount decreases with distance inland. The fall and winter months are usually the foggiest. Thunderstorms are rare, averaging about three a year in the city. Visibilities are good as a rule. The sunshine is plentiful for a marine location, with a marked increase toward the interior.

# Station Location

SAN DIEGO

LOCATION	Occupied From	Occupied To	Airline Distances and Directions from previous Location	Latitude NORTH WEST		Longitude WEST		ELEVATION ABOVE								REMARKS	
								SEA LEVEL	GROUND								AUTOMATIC OBSERVING EQUIPMENT *
									GROUND TEMPERATURE SITE	WIND INSTRUMENT	EXTREME THERMOMETERS	PSYCHROMETER	SUNSHINE SWITCH	TIPPING BUCKET RAIN GAUGE	WEIGHING RAIN GAUGE		
<u>AIRPORT</u>																	
Lindbergh Municipal AP 1.5 mi. NW of City Office	1/15/30	8/19/32		32° 44'	117° 10'		19	24	6	5							s. Standby.
Lindbergh Field Municipal Airport	8/19/32	8/13/69	100 ft. NW	32° 44'	117° 10'		d13	b21	20	19		27		27	c5		b. 47 ft. to 12/18/36 and 63 ft. to 2/1/61. c. Commissioned 1600 ft. SSW of Administration Building 2/1/61. d. 19 ft. to 2/1/61.
Port of San Diego General Aviation Bldg. Lindbergh Field	8/13/69	8/01/96	200 ft. N	32° 44'	117° 10'		13	20	s37	s36	49	36		s35	e5 f5		e. 3300 ft. WNW of previous site (moved 2/17/69). f. Type change 8/12/85.
Lindbergh Field	08/01/96	Present	NA	32° 44'	117° 10'		g78									S	ASOS Commissioned 08/01/96 g. Ground elevation.

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