# NOVEMBER-1987

DAT	E precu	LOW	HIGH	MAX.WI	ND-TIME	MIL	ES(TIM	E)-AV.	
Nov	1 111	+57	+63 18:15	SW-15	4am	19	8pm	0.79	_
<b>84</b>	2	+55 7/29	+61	SW-16	noon	32	11	1.33	
#	3	+48 6 35	+67	SW-14	llam	28	н	1.17	
, H	4 1/13"	+51 4/55	+64 11 40	SE-22	7pm	26	43	1.08	•
18	5 ,31"	+49	+62 18:49	SE-23		<b>3</b> 8	**	1.58	
14	6 ,02"	+47 6:38	+67 18:50	SW-18	5pm	23	24	0.96	
74	7	+49 6:34	+67	SW-15		21	n	0.88	
<b>F†</b>	8	+52 6:36	+75 MAGA	S₩-16		24	H	1.00	
:#	9	+57 1.53	÷76	SW-16		25	HE	1.04	NOVEMBER DATE
31	10	+58 64	+80	SW-17		51	:1	2.13	Low-44 29
Ħ	11	+60 6:35	+81 14°08		** **	25	н	1.04	"high"low-61 12
11	12	+61 6140	+78	SW-12	2:15p	16	11	0.67	High-81 11
51	13.03	+51	+63	SW-11	1:05p	{		)	"low"high-59 30
#1	14	+52	+72	NW-35	4:25a	٧		√-	Low Aver50.7
Ħ	15	+48	+68	NE-28	12:30a	124	13	1.72	High Aver68.7
*1	16	+49 8109	+67	SW-12	10:50a	19	1.2	0.79	Average-59.7
Ħ	17 .40°	+50 6/31	+60 11109	SW-11	11:15a	7	H	0.29	Days of;
ĸ	18	+50 410	+72 1160	SW-15	1pm	28	Ħ	1.17	80- 2 days
13	19	+54	+78	SW-19	12:05p	28	Ħ	1.17	70- 8 days
н	20 supple	+56 675	+78	SW-18	lpm	V		$\downarrow$	60-20 days
18	21	+49 7108	+66	SW-16	1:15p	48	10	1.00	50-14 days
tf	22	+47 346	+6 <b>6</b>	SW-15	12:45p	21	44	0.88	40-15 days
13	23	+47 6:49	÷67 /3/26	SW-15	1:30p	19	Ħ	0.79	Temp.difference;
78	24	+50	+74 12101	SW-16	1:15p	27	13	1.13	High-24 degrees(2)
14	25	+47 6153	+69	NE-45	10am	69		2.88	Low-6 degrees(2)
Ħ	26	+46 6142	+68	NE-20	1:30a	61	ŧŧ.	2.54	Av18.0 degrees
Ħ	27	+46 514	+69	SW-16	12:25p	1		1, 1	Av.max.wind-18 mph
14	28	+46	<b>+</b> 63	SW-17	llam	<b>V</b>	•	V	Max.wind-NE-45 mph
u	29	+44 6459	+61	SW-16	1:50p	66	#	0.92	Min.wind-SW- 9 mph
<b>8</b> 1, 17	30	+45 6154	+59	SW-9	11:45a	6	, NJ	0.25	Total wind-813 mil
	1,80"	· (Section 1)	Santi a Shek	er grande in	en de la companya de La companya de la co				Av.wind speed-1.13:

- 1-Rain became showers again as tapered off to occasional mist. By 9am had .1 since midnite or 2.22" storm total so far. Had a few more showers including one at 6pm for .02" more. Two days totals; office-2.34", Prout-2.40", LA-I.44", LAX-1.27", Northridge-1.60", Beaumont-1.80", Mt. Wilson-6.10", B ig Bear-.65", Lancaster-1.16", Plm Sprs-.87", Thermal-1.22", San Deigo-.65" and Mt. Lagung-2.69". Baro was at 29.84" at lam, low for month. 3-Low of 48 was coolest morn since May 28. After 10pm had a few brief shower.
- of .04" by midnite. . . . 3
- 4-Had occ'l lite rain after 8am from upper low off coast with .09" by llam when it ended. At 2pm started to sprinkle and a thunderstorm began to SE after 2:20pm with one strike at 2:46pm at 2/5 mile away. Moved over toward NW with considerable lightning and moderate to heavy rain from 2:35-2:55pm of .39". At 3:02-3:05pm had a lite rice-sized hail storm then ended. At 3:45pm lite rain began again with another thunderstorm beginning to ENE at 4pm until 4:30pm with closest at 12 mile north at 4:17pm. Had .65" storm total by 5pm as occ'l lite rain continued until ended at 9:30pm with .48" more or storm total of 1.13" so far. .
- 5-Day dawned to scattered showers observed far to south with :02" here around 10am then rain from 1:30-4pm of .31" more for 1.46" storm total. This brought our season total to over 8", wettest since 1983 and 2nd wettest so far on stations 33 years of records. Office-.99", LA-.62", LAX-.42", Pasa-1.28", Northridge-.95", Beaumont-.98", Mt. Wilson-2.29", Big Bear-.75", Lancaster-1.07", Plm Sprs-.70", Thermal-.50", San Deigo-1.15", Palemar-2.02' with .45" Sta Barbra and 1.10" Bksfield., First snow hit mtns with 4" Big Bear and 6" Tram. Front-2.40", La Cres-1.85", Crub-2.08", Deganes-2.44"

6-Around 2am had .02" more in a shower.

11=High of 81 was warmest day in 15 days and for month, which was 2nd coolest max on stations records.

13-Weak front produced lite rain from 9-10pm of .03". LA-.07", LAX-0, Pasa-.07", Prout-.05", San Berdu-.01", cabin-.01", Mt. Wilson-.03" with wet spot at El Toro-.22" and San Deigo-.07", Julian-.27".

14-After 3am gusty NW winds came up to 35 mph at 4:25am and ending by 7:30am.
After 10:45pm wind shirted to NE. Mojave reported 50 mph in afternoon

and 37 mph at Lancaster.

15-NE winds blew until 2am up to 28 mph at 12:35am. Raissed temp 6

17-Ac clouds from approaching front produced occ'l showers after 9:30am with .03" by 5pm. From 7-7:30pm had an apparent frontal passage with lite rain of .02" more then clearing. At 10pm steady lite rain began again and ende at 11:30pm with .15" more or storm total of .20". Office-.04", Prout-.25" LA-.02", Pasadena-.03", Beaumont-.14", Wdld Hills-.04", San Berdu-.13", Mt. Wilson-.14", Big Bear-.14", Lancaster-.08", Plm Sprs-.02", with San Deigo-.06", Thermal-.11" and wet spot at National City-.28". Cab-.22", Ca

20-Weak front brought showers to Sta Maria-Bksfield, skipped ug then and then

.05" to San Deigo County area.

25-A dry front passed over in early morn followed by gusty NE winds after 7:30am to 45 mph at 10am and ending by 3:45pm but coming up again after 7p to 35 mph at 9pm. Was cold in mtns with observer finding rime ice and drizzle in Tehachapis and 28° at 5,000° level. Big Bear had a 36 high. 26-NE winds continued until 2:30am hitting 20 mph at 1:30am.

Days with thunderstorms-1 Days of hail-1 Days of NE winds-3 Clear days-6 Cloudy days-2 Partly Cloudy days-22 Rainfall was 2" below normal and temps 1" below normal.

## DECEMBER-1987

DAT	E precio	LOW	HIGH	MAY.WI	MD-TIME	MII	ES(TIM	E)-AV.	
Dec	• 🖟 ′	+44 1150	+63	SW-15	2 p.ii	17	8pm	0.71	-
11	2	+47 6184	+65 <i>1806</i>	S=-14	2:20p	15	11	0.63	
11	3	+52 5152	+72 1885	ST-12	12:15p	10	a	0.42	
11	4 1.15"	452(5pm)	)+55(7am)	SE-43	5:45p	75	H	3.13	
14	5	+48 7157	÷61	SW-13	1:25p	8	n	0.33	
14	6 47	+47 5:34	+63 18189	SW-15	1:15p	12	Lt	0.50	
1 8	7 450	+49 7:41	+66 18:47	NW-20	9am	<b>2</b> 8	1)	1.17	
11	8	+48	+65	SW-15	12:30p	22	11	0.92	DECEMBER DATE
: 7	9	+47 5137	+62	SW-13	5:40p	15	11	0.63	Low-34 25,26 & 3
:1	10	+55 4:43	<del>-</del> 80	S8-10	12:30p	17	14	0.7 <u>1</u>	"high"low-55 10&11
*4	11	+55 601	+75 12:36	W <b>-1</b> 8	9:15p	39	11pm	1,44	Hi h-80
н	12	÷53 7:/3	+65	NE-83	10:45p	137	Spin	6.52	"low"high-47 16
t I	13	+40	<b>+55</b>	ME-79	2:45a	302	10p	11.62	Low Aver43.1
11	14 Sunyise	<b>+3</b> 6	+5 <b>5</b>	FE-5 <u>1</u>	1:30a	93	8pm	4.32	High Aver60.0
Ħ	15	+36 6:35	+52 Ilan	SE-37	10:55p	15	14	0.63	Average-51.55
11	16 (6/1)	+38 Ean	+47(6am)			190	6pm	8.64	Days of;
19	17 23	+42 6:38	+50 12192	NE-27		82	9pm	3.04	80- 1 day
11	18	+43 6:18	+64 13:12	NH-25	4:15a	47	∃pm	2.04	70- 2 days
ц	19 ///	+46 3195	+59	NW-18	1:30p	18	10	0.75	60 <b>-1</b> 3 days
<b>£1</b>	20	+42 6149	÷63	51-14	lpm	11	и	0.46	50-18 days
"	21	+45 7205	+68		12:30p	9	t t	0.38	40-16 days
15	22 SUAPIECT	+47 65	+62		11:05p	13	18	0154	30-12 days
0	23	+3≘	÷55		10:50p	69	13	2.88	Temp.difference;
<b>31</b>	24	±35 6:47	+49	ল≘–52	9:25a				High-25 degrees.
H	25 Sunset	+34 21/1	+55 12:24	NE <b>-52</b>		168	14	7.64	Low-3 degrees.
<b>{</b> 1	26	+34 4:38	+55 1314C	SN-15	1:30p				Av16.5 degrees.
н	27	+35 3:19	<del>+</del> 56	88-17	4:10p	31	(1	0.65	Av.max.wind-28 mph
:4	28	+39	+55	NE-15	<b>1</b> pm	6	11	0.25	Max.wind-NE-83 mph
11	29 36	+39(1p)	+53(10a)		$n_0 \circ n$	23	÷ •	0.96	Min.wind-SW-10 mph
+1	30	+34	÷55	14E-15	noon	<u>1</u> 7	a	0.7 <u>1</u>	Total wind-1,510mi
11	31	+36	46 <b>1</b>	MH-IS	10:20p	<u>1</u> 5	11	0.63	Av.wind speed-2.10
	2.42				•		_		

4-After 8:30am SE winds came up increasing as the day wore on with occ'l drize after 10:30am with .12" by 5pm as the rain began becoming moderate with SE winds hitting 43 mph at 5:45pm. Baro. fell rapidly after 10am from 30.13" until wind shift and frontal passage at 6:50pm to 29.88" and rain ended abrupted and skies began to break. Winds hit 30 mph at Long Bch, 36 mph at LAX and 37 mph Eksfield. Had 1.03" more or storm total of 1.15". Office-1.64", Crab-1.46", Prout-1.68", Pasa-1.60", dld Hills-1.25", Seau-0.77", LA-1.04", LAX-.65", Mt. Wilson-2.44", Lanc-.58", Flm Sp-T" & RERC-.15". Today measurable precip means that we had measurable precip every month this calendar year. First time in 33 yrs of records.

6-Drizzle began at 8pm from approaching weak front with .07" by midnite.
7-Drizzle ended by 3;30am with .05" more or .12" storm total. Cleared after daybreak but had occ'l fog from below until NW winds after 7:30am to 20 mph blow it away. Office-.07", LA-.03", LAX-.08", Pasa-.05", Wdld Wills-.12", lean-.02", Mt. Wilson-.36", Eig Br-.10" with deserts O and near nothing in San Deigo County area but .20" Julian.
10-Wigh of 80 was warnest day in 1 month.

12-No winds came up after midnite to 30 mph then shifted to NS after daybreak and increased in afternoon to being very strong and gusty with power out at times after 7pm. Bit 23 mph at John Gregg home at 10:45pm. Baro fell to 29.77" at 6pm, lowest Dec. reading in 3 yrs and since last Farch. Bas strongest wind since Jan, 1985 and Dec. wind since 1982, being 2nd stronge Hit Thank of Condition

13-Strong, cold NE winds conti. all night up to 79 mph at 2:45am then began to let up after daybreak but still to 44 mph at 12:50pm in occ'l strong gusts. From 7pm last night to 10:45am this morning had the power out 8 hrs. 36 min High of a cold 55 under clear skies was coldest max since March. Wind chill here in the morning was +18. Wind hit all areas with LAX-31 mph, Sta Monica-40 mph, Ontario-52 mph, Mt. Wilson-60 mph, Rialto-82 mph, Dagge 40 mph, Rlm Sprs-40 mph and El Toro-70 mph. Was cold everywhere too with Mt. Wilson-28/18, Big Bear 20/13.

14-NE winds conti to 51 mph at 1:30am end ended generally by 6am as temp fell to 36 at 7am. Coldest since March and 2nd coldest Dec. temp. Was 40 Bubk, 43 Pasa, 41 Avalon, 37 Wdld Hills, 36 Lg Bch, 39 Plm Sprs, 18 Lancaster, 20 Mt. Wilson, 22 Beaumont, 13 Big Bear and Mt. Laguna and 37 San Deigo. El Pasa, Texas had 22" of snow in 24 hrs breaking all records.

15-Cold, conti with 36 low here with 38 Burbk, 36 Pasa, 32 Wdld Hills, 29 San Berdu, 28 Plm Sprs, 27 Thermal, 19 Lancaster, 25 Mt. Wilson and 10 Big Bear with 38 San Deigo, 19 Campo and 27 El Centro. SE winds came up after 8pm

to 37 mph by 10:55pm.

16-SE winds conti all nite to 42 mph at 6:15am as a very lite rain began. Was very cold with temp falling from 47 at 6am to 38 at 10am with snow in La Crescenta falling above 2,000' and sticking above 2,300'. Had .03" by 7am as wind and rain continued. During the day had several gusts to 40mph. Had .51" total by 5pm. Snow closed Tejon Pass, Antelope Vly freeway and Cajon Pass briefly. Mulholland Drive reported snow above Malibu sticking. Snow fell most of the afternoon at Victorville, Lancaster and China Lake with 6" Lancaster and 4" Big Pine Winds hit all areas with Burbk-35 mph, Vandenburg-44 mph, LAX-44 mph, Sta Barbara-46 mph, Bksfiedl-47 mph, Sta Monica-58 mph, Pt. Arguello-70 mph and 100 mph at Wheeler Ridge near the Grapevine. High of 47° at 6am was the coldest since March and coolest Dechigh ever. Was 45° Pasa, 43° Wdld Hills, 38° Beaumont, 30° Mt. Wilson and 52° Palm Sprs. All highest temps.

17-Winds shifted to NE and hit 27 mph until 1:10am and ended by 2am. Occ'l showers conti all nite with .13" more by 8am and .10" more during day until ended at 4pm with .23" since 5pm yesterday or .74" storm total. Snow level ended at 4pm with .23" since 5pm yesterday or ./4" storm total. Snow leed rose to 4,500' with I5 classed with 18" at Lebec. Antelope Vly freeway was only partially open. Big Bear had 12" and Tram 18". Baro fell to 29.65" at 5am, low for the month. Office-.51", P. out-.87", LA-.46", LAX-.85", Wdld Hills-1.63", Beau-.30", Avalon-2.13"was wet spot, Lanc-.47", Plm Sprs-.60", RMRC-.50", Mi. Wilson-1.45", Big Br-1.17" with San Deigo-1.55".

19-Surprise rain shower began at 11:45am ending at 12:30pm with .11". Office-.04", LA-0, Pasa-.02", Beau-.01", Big Bear-T", Plm Spr-T; RMRC-.02", San Deigo-.39" and Ramona-.42". Observer drove to Labec and found snow on the

Deigo-.19" and Ramona-.42". Observer drove to Lebec and found snow on the ground above 2,300' with drifts to 6 feet in Gorman area from windy conditions in the 17th storm. Dishop had 2"

22-Weak front went over with sprinkles of T" from 8-8:30pm followed by NW wind after 9:15pm to 27 mph at 11:05pm. Most areas had nothing except .21" San Berdu, .12" Beau, .11" Big Bear and .27" cabin.

23-NW winds bew until 5am up to 35 mph at 1:25am and conti all day then shift to NE after 9pm and increased. At 11pm had a temp of 38 and wind gusting

to 44 mph at 10:50pm for wind chill of +8.

24-NE winds conti all nite up to 40 mph with low of 35, coolest since Peb and coldest Dec temp in 9 years. With wind the wind chill dropped into +10 range. Wind conti all day and into evening hitting 52 mph at 9:25am. Scat range. Wind conti all day and into evening hitting 52 mph at 9:25am. Scat to brief broken clouds over mtns produced snow showers with 2" Waterman & Big Bear areas. Lows this morn included 38 Pasa, 37 Ayalon, 28 San Juan p 25 Beau, 22 Lanc, 23 Sta Maria, 15 Mt. Wilson with 23 high and 5 Big Bear with 15 high and cabin 9/19 and RMRC 39/52 and Tram -2. Winds hit 35 mph Ontario and 40 mph LAX. College-Hough & 55 law.

25-NE winds conti up to 52 mph at 7:50am and finally ended at 6:45pm. after 59 hdrs 45 minutes of constant wind. Low of 34 was coldest Dec in 9 yrs. Was bitter cold all over the west with 35 Burbk, 38 Pasa, 25 Wdld Hills, 27 Sta Barb ara, 23 Sta Maria, 21 Beau, 37 Newpt Bch, 14 Mt. Wilson, 7 Big Bear, 36 Plm Sprs, 34 San Deigo which was only 2 from tieing the all time low set 109 yrs ago. Was 29 Del Mar. 15 Campo. 17 Palomar and 9 Mt. Laguna

low set 109 yrs ago. Was 29 Del Mar, 15 Campo, 17 Palomar and 9 Mt. Laguna

Chaptree was 38/470

25 conti-Hit -5 Mammoth, -2 Tahoe. Snow fell all morn at Tuscon, Douglas and El Paso. Was 6 at Reno, O SLC and the 20 at Fresno was coldest in 12 yrs. Nation low was -30 at Laramie. Winds hit 30 mph LAX, 45 mph at San Berdu and 29 mph Plm Sprs. & 30mph (vablage)

26-Low of 34 tied monthly record of temps in 30s at 7, set Feb and Mar, 1985. Was a Dec record. Was ice until noon down on Beaudry as temp fell well below 32° in many areas with 32° Pasa, 27° Burbk, 34° LAX, 26° Wdld Hills, 21° Beau, 17° Lanc, 27° Sta Barbara, 28° Plm Sprs and 27° RMRC and -1° Big Bear and 11° at cabin. Baro rose to 30.30" at 11am, high for the month.

27-Cold again with 35° low and 34° Burbk, 37° LAX, 19° Lancaster, 28° Plm Sprs, 27° RMRC, 27° Indio, 20° Thermal and 16° Yucca Vly.

29-Surprise weak front increased clouds rapidly after 10am with occ'l sprinkle then a thunderstorm at noon along with brief lite hail until 12:30pm with main storm to the east. Showers ended by 2:30pm with .30" storm total. High of 53 was reached at 10am then fell to day's low of 39 at 1pm in the storm. Office-.33", Prout-.26", B.Crab-.29", Pasa-.12", LA-.23", LAX-.17"
Wdld Hills-.48", San Berdu-.44", Eau O, Mt. Wilson-.67", Big Bear-.98",
cabin-.57", Lanc-.42", RMRC-.01", Snow fell down to 2,500' with Ridge Rout
briefly closed and 6" Big Bear. hano-!", landde-4", levels functions of 3, Anade-4"; Lands
30-F, 11 to 34 again with 35 Pasa, 34 Burbk, 39 LAX and 19 Lancaster.

31-With of 36 low, this was the 12th day this month of temps below 40 beating any other month by 5days. Was also the 9th day in a row. Went down to 33° Burbk, 34° Pasa, but bitter cold in mtns with the -8° at Big Bear the coldest Dec. since 1960 and 5th coldest Dec temps in 78 yrs of records.

was +4° at cabin , a Dec. record and coldest day in nearly 3 yrs. Was -2°

Mammoth and -20° Tahoe with +8° Bishop, lowest since Dec, 1984 and -9° at

Ricks. Was -2° Bridger - Sale law for month.

Days of hail-1 Day of fog-2 Days with thunderstorms-1

Days of NE winds-7

Rainfall was normal. Was windiest average max. speed in 5 yrs. The average temp was 6 below normal and coldest Dec ever. It tied Jan. 1979 for any month. The Av. low was 6 below normal, coldest Dec ever, and the coldest month ever. The average high was also 6 below normal the coldest Dec and coldest month since Jan, 1979.

# JANUARY-1988

DATI	e breeid	LOW	HIGH	MAX.WI	ND-TIME	MII	ES(TI	ME)-AV.	en e
Jan.		+40	+64	NW-16	2a <sub>m</sub>	37	8pm	1.54	<del></del>
#	2	+43 314	+64 1216	SW-15	12:30p	7	**	0.29	
,H	3	+49 1156	+61	SW-14	9:45p	3	10	0.13	
12	4 T	+52 Hisi	+ <b>6</b> 6	SW-15	1:15p	17	H	0.71	
11	5 423~	+45 4167	+51	SE-17	6:15a	a 8	14	0.33	
11	6	+40 6/19	+56	SW-12	10:45a	7	Ħ	0.29	
13	7	+43 7:34	+62	SW-14		8	tř	0.33	
Ħ	8	+39	+61	SW-15	1:50p	11	EE.	0.46	JANUARY DAT
Ħ	9	+44	+67	SW-16	lpm	11	13	0.46	Low-39 E
11	10	+52	+75	SW-10	12:15p	4	n	0.17	"high"low-58 27 & 2
18	11	+50	+65	SW-15	12:15p	13	н	0.54	High-81 24 & 2
и	12	+44	+69	SW-18		18	22	0.75	"low"high-49 1
12	13	+47 401	+72 18:58	SW-13	12:10p	11	H	0.46	Low Aver46.8
22	14	+52 71/4	+78 1108	SW-12		11	24	0.46	High Aver56.2
14	15	+52 3/#	+60	sw-ll	2:35p	8	11	0.33	Average-56.5
n	16 01"	+43 716	+61 11454			16	28	0.67	Days of:
n	172130	+43 7618	+49 9am	SE-40		80	SR .	3.33	80- 3 days
89	18	+43 46	+59 12:26	NW-34		108	**	4.50	70- 6 days
н	19 5UNTO	+42 1/10	+63	NE-30	4:15a	74	12	3.08	60-17 days
н	20	+40 646	+64 18151	SW-15		22	14	0.92	50-15 days
	21,	+42 # 58	+ <del>.6</del> 5		10:50p		1 5. 20		40-20 days
14	22	+46:35	+66 ∷		12:05a			-1.50	30- 1 day
14	23	+48 -	+74		- 1:10p			0.46	
13	2.4	+53 41FY	+81 18149		11:30a	21	**	0.88	High-28 degrees.
#1	2,5	+54 6:34		SW-13	1:45p		11		Low-6 degrees.
, H <sub>1</sub> ,	26	+54 641	+80		∞ 1:30p		H .	0.71	Av19.4 degrees.
31	2.7	+58 Wat	+81	SW-13	Tbm	11	s, H j	0.46	Av.max.wind-18 mph
н.	28	+58 6:01		· SW-17	2:50p	22	••	0.92	Max.wind-SE-40 mph
#1	29	+50 611	<del>+</del> 67		11:20a	• 19	## · · · · · · · · · · · · · · · · · ·	0.79	
п.	30	+42	+60	SW-15		: 18	H . 7.		
**	31	+42 6137	+59 /AIRI	/ SW-16	1:30þ	17	Ħ	0.71	Av.wind epeed-0.94m

3-warmest morn in 22 days with 49. With only 3 miles of air passage today it was calmest av. wind speed (0.13 mph) on stations records. New location behinouse may be a factor tho.

4-From Ac had T" shower from 4:30-5pm. Heavier amounts fell north of Sta Barl 5-Lite showers fell from 1-3am of .06" then drizzle began again with occ'l litrain from 10:30am to 3pm of .17" more for .23" storm total. This was 7th January 5th it has rained in in last 12 years, high for station. Office-.20", Prout-.08", LA-.16", LAX-.21", Avalon-.40", Wdld Hills-.48", Pasa-.20' Mt. Wilson-.69", Bean-.35", Lancaster-.52", Plm Sprs-.03", RMRC-.04", with .06" San Deigo and 1.93" Julian with wet spot at Cuyamaca Park with 3.01".

10-High of 75° was warmest day in one month.

14-High of 78° was warmest day in over a month (Dec.10). Was 80° Pasa & LA.

15-Weak front went over with no precip here but more in San Deigo County with .05" San Deigo .25" Mt. Laguna and .28" Julian with T" LAX and Eg Beach.

16-Lite rain began at 11:30pm with .02" by midnite.
17-Lite rain continued all nite along with SE winds after midnite increasing to 40 mph at 8:55am as shifted to SW. -Rain increased to moderate at times after 7am with 1.30° storm total by 8:30am. At 7:07-:13am had a thunderstorm, at 7:56-8:05am another and at 10:58am another roll of thunder. Was first January thunderstomrs in 7 years. Closest was 1 mile. Rain let up some after llam but remained showery with 1.02° more by 5pm or 2.32° storm total so far. Was wettest storm since Sep., 1986. Barometer conti. to

fall rapidly from 30.00" at midnite to a low 29.38" at 6pm. The lowest January pressure ever and lowest since Mar., 1983. Santa Maria had it's lowest pressure ever at 1:30pm with 29.20". Was a record low at Bakersfield too at 3:30pm at 29.27". Locally it fell to 29.25" at LAX, 29.30" at Long Beach and 29.31" at Burbank. Was windy everywhere too with LAX-40 mph, Point Magu-37 mph, Long Beach-36 mph, San Deigo-55 mph and a oil platform 7 miles SW of Pt Arguello hit 115 mph late this afternoon. Had occ'l blowing fog in the morning. Showers ended by 7pm with .07" more for ·2.39" storm total. Was wettest storm since Sep., 1986. Office-1.93", Bob C-2.30", Bev C-3.13", Solvang-1.74", LA=1.23", Pasa-2.41", Wdld Hills-2.12", Beau-2.33", San Berdu-1.11", Mt. Wilson-3.64", Big Bear-2.50", cabin-2.12", Lanc-1.40", Plm Sprs-1.65", RMRC-1.19", Borrego-1.30", San Deigo O.70", San Deigo O.7 Deigo-0.78" & wet spot at Campo-3.94". Dry Death Viy had .80". Heavy snow fell above 5,000 with 24" at many resorts and 18" Big Bear.

18-Heavy surf with waves to '20 feet caused extensive beach damage particularly at Redondo and Huntington Beaches. The Ridge Route remained closeddue to heavy snowfall yesterday.

19-Winds shifted to NE in early morn to 30 mph at 4:15am until 9:30am.

20-Barometer rose to 30.40" at llam, highest reading since Jan., 1986 and . . . tieing Jan. record.

21-NE winds came up after 10pm to 27 mph at 10:50pm.

22-NE winds blew occ'lly all nite and ended by 3pm with 37 mph peak at 12:05am Winds were very strong in Ontario area up to 90 mph at tipped serveral trucks over.

24=Had warmest day since Nov., 11, 1987, with 81 high. Was 4th warmest Jan temp in last 11 years. Was 83 Pasa, & LA, 86 San Gabriel, 80 Plm Sprs and 78 Sta Barbara with 82 San Luis Obispo.

26-Heat conti. with 80 high, was 84 LA, 83 LAX, 85 Lg Bch, 82 Pasadena, 86 Fallbrook and 87 Lemon Grove, the nation hot spot.

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San Luis Obispo. With 3rd day of 804 this month became the 3rd highest of 80% temps in 11 years of records.

Clear days-3 Cloudy days-2 Partly Cloudy days-26 Days with thunderstorms-1 Days with fog-1 Days with NE winds-3 Rainfall was 2/3rd of normal. Temps were normal. Was calmest Jan. on record.

# FEBRUARY-1988

```
DATE
         preevy LOW
                                     MAX. WIND-TIME MILES (TIME) -AV.
                          HIGH
 Feb. 1
                +46 656
                          +59
                                      SW-20 11:30a 34° 8pm 1.42
               +41 722
                          +57
                                      NW-19 7:10p 21 "
                                                                      0.88
                +42 3/37
                          +65 MIG
                                      SW-19 11am
                                                        26
                                                                      1.08
                +48 000
                          +70 //S NE-17
                                              2am 61
                                                             9pm
                                                                      2.44
   16
                +50 016 +75 3
                                      NE-30 4:40a 91
                                                               8pm 3.96
      6
                +49 648 +75
                                      SW-12 3pm -- 23 5 "
                                                                      0.95
   11
      7
                450 1/45
                          +76
                                      SW-11 1:30p 15
                                                             . . . . . . . . . . . . .
                                                                     0.63
  #
                          +79
                                      SW-15 1:15p 14
                                                               -10-1
                                                                    0.58 _ FEBRUARY
      9
               +58 6/17
                          +83 1811
                                      SW-17 lpm 25
                                                              1.04 Low-41 2 & 23
  **
      10
                          +86 BUT
                                      NE-38 7pm 57
               +60 9.37
                                                            6pm 2.59 "high"low-62
                                                                                                    11
  ų,
      11
                                      NE-29 1:50a 116 8pm 4.46 High-86
               +62 656
                          +82
                                                                                                    10
              +56 741
      12吨煤
                                      SW-18 11:35a 18 0 1 0 0.75
                         +82 /405
                                                                             "low"high-54
      13
                          +75
                                      SW-17 2:05p 19 .....
                                                                     0.79 Low Aver.-51.1
      14
               +53 539
                          +78 18110
                                      SW-20 2:15p 25 "
SW-15 1:30p 17 "
                                                                    1.04 High Aver.-72.9
  11
      15
               +55 6144
                          +78 1/19
                                                                             Average-62.0
                                                                     0.71
               +50 658
                          +72 18:16
                                      NE-44 11:15p 30
                                                               74
                                                                   1.25
      179%路
                                                                             Days of:
               +49 -
                          +75
                                      NE-99
                                                               **
                                              5am
                                                       296
                                                                    12.33
                                                                             80- 5 days
      18年時 +42 66年
  Ħ
                          +71 140
                                     NE-68 8:15p 118
                                                               9pm 4.72
                                                                             70-17 days
  .
      19
                          +72° 1/4
               +51 0/28
                                     NE-66 1:30a 142 8pm 6.17 60-6 days
               +50 4115
      20
                                      SW-17 11:05a 18 " 0.75 50-21 days
                          +76 100
      21
               +53 5.58
                          +77
                                      SW-14 1:40p 13
                                                              " 0.54 40- 9 days
      22
           +53 681
                          +73
                                      SW-20 2:35p 15
                                                           " 0.63 Temp.difference;
      232 - *
               +41 706
                                      SW-15
                          +68 18:01
                                             1:55p
                                                       9
                                                                     0.38
                                                                             High-30 degrees.
               +46 /54
                                     SW-14 10:25a 12 " 0.50
                         +76 1185
                                                                             Low-4 degrees.
                                     SW-18 1:15p 19 " 0.79 Average-21.7 degree
               +53 206
                          +80 /86
     27 18" +59 6AG
28 178" +53 6AG
                                   SW-15 12:20p 7 " 0.29 Av. max. wind 27 mph
                         +72
  -64
                                     SE-34 7:05p 67 11pm 2.48 Max.wind-NE-99 mph
                         +66 11/18/4
     28 178 +55 617 +61
29 151 +50 +54 846
                                     SE-29 12:45p 63
                                                              8pm 3.00 Mih. wind-SW-11 mph
                                    SE-34 4:15p 64 " 2.67 Total wind-1,435 mi
                 of home of a secret week they have been a second as Av. wind speed-2.06m
2-Rain began at 2am. Snow stuck to just below 4,000' with 5" Big Bear area.
  Had .67" by 7:30am as rain let up and ended by noon with .08" more for .75" storm total. Office-.66", Pasa-.89", LA-.64", LAX-.82", Wdld Hills-.55", Beaumont-.79", Mt. Wilson-.83", Big Bear.58", Lancaster-.26", Plm Spr-.71", RMRC-.70" with San Deigo-1.25" and Alpine the wet spot with 1.79"
5-NE winds came up after midnite to 30 mph at 4:40am and continued off and o
   all day. Hit 35 mph at Pt. Magu and 38 mph at San Berdu with 72 mph atRial
7-High of 76 was warmest day in 10 days. Pasadena was nation hot spot w/80.
8-Warmth continued with 5th day of 704 in a row with 79° was 82° Pasadena, 81 Sta Maria and hot spot of 83° at San Gabriel. Was 76° Plm Sprs.
9-Hit 83, warmest Peb. in 2 years and only 3 Pab's in last 11 years warmes. Was warmest day since Oct. 27. Was 86 Pasadena, 85 LA, 82 Plm Sprs and nation hot spot at San Gabriel with 88.
10-Santa Ana winds came up at 1pm to 38 mph at 7:30pm. They brought warmth
   too with a 60 low, the warmest morn since Nov. 12. High of 86 was warmest day since Oct. 5, 1987 and 2nd hottest Feb. temp but still 3 below the record set in 1986. Hit 88 in LA, 87 Pasadena, 89 Long Beach, 83 LAX, 90 Lemon Grove, 85 Solvang and the US high at San Juan Capistrano with 92. Their warmest Feb. EVER. Was 79 San Luis Obispo, 78 Sta Maria and the 78
  at San Francisco was warmest date record since 1886.
11-At 7:26am had a 20 second lite EARTHQUAKE of 5.0 centered near Whittier.
   I had one animal fall off the wall but no other damage. NE winds commune all nite up to 29 mph at 1:50am until 10am. Low of 62 was warmest morn
   since Oct. 28 and the 3rd warmest Feb. low in 11 years of records. Was still 2 shy of record. High of 82 was 7th day in a row of 75+. This is February? Was 88 LAX and 83 Sta Monica Pier. Bouldo wit 949 was the Calif.
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hot spt for teb

12-High of 82 was 4th day in a row of 80+, only 1 day shy of tieing the Feb record of 80+ days.

15-Broken cirrus clouds were the first clouds of any kind in 9 days. With 9 clear days this month it was the most since 1981 and only 1 day from tieing record set them.

16-NE winds came up after 5:45pm and increased rapidly to 44 mph at 11:15pm.
Baro went down to 29.90 at 3pm, low for the month and the !highest! low

reading for February.

- 17-Strong NE winds blew all night to 76 mph eastimate here but 99 mph at John Gregg's home. This was highest Feb. Wind in 8 years. Occurred about 5am as power was out for 2 hours 5 minutes at that time. Was extremely gusty and caused structural damage to homes in the area. Observer lost some tile and one tree. Ended by 3pm. Winds hit 23 mph LAX, 35 mph San Deigo, 41 mph San Berdu, 55 mph Needles, 58 mph Santa Ana and 63 mph Ontario. Was strongest Feb. wind in 8 years. Was extremely dry with humidity down to 12%. Was 5% in LA. It has now been 30 days since we had a major rain. Have had only 3/4" in that time. A clear day today also broke the record for number of clear days in February. The 70+ temp of 75° today tied the Feb. record of 70+ days in February.
- 18-Low of 42 was coolest morn in 15 days. At noon renewed NE winds came up hitting 49 mph by 4:45pm and 68 mph at 8:15pm. Baro. went up to 30.28" at 10am. High for the month.

19-NE winds conti. all hite hitting 66 mph at 1:30am. Let up after 6am and ended after noon. Was 8th day this month of NE winds, a February record.

23-Had a heavy fog in the morning with visibility at 150 feet. Low of 41 was coolest morn in 3 weeks and tied for months low and the high of 68 was first high temp below 70 in 20 straight days. No rain has fallen for three weeks.

24-Back in 70s again with 76° - Even in Calgary at the Olympics it hit 61°.
Stockton set a record for Feb. with 25 days in a row with no precip.

25-Heat continued with 5th day of 80+ with 80 and tied the Feb. record of 80+ with 5 days. Was 82 LA, 84 Pasadena and 88 Palm Sprs as nation not spot.

26-High of 72 was 17th day of 704 temps this month, a record by 4 days.

27-At 2:30am until 6am had occ 1 rain with occasional sprinkles until 8:30am with .15". Was first moisture in 25 days. Had a few sprinkles then show in afternoon with .03" more by 5pm or .18" total so far. - Occ 1 gusty SE came up after 9:30am and increased after 5pm to 34 mph at 7:05pm along with occasional blowing fog.

28-Had continued brief showers all might with a moderate one around 3am then just sprinkles after 5am with .66" since 5pm by 7am for .84" storm total so far. SE gusty winds continued up to 26 mph at 6:45am. Rain ended by 11am with .12" since 7am for .96" storm total. Even with the rain the high was 61. Portland, Oregon had a 71, hottest ever for Feb.

29-Had occ'l showers after 2am as another series of waves came off the low sitting offshore. Brief moderate showers continued occasionally with a thunerstorm at 1pm also. At 3pm lite to moderate rain began becoming heavy after 4:20pm as another thunderstorm occurred ending abruptly at 5p with 1.12" in 1 hour, .92" from 14:30-5pm and .71" from 4:30-4:45pm. By 5pm had 2.52" for last 24 hours or storm total of 3.48" so far with .01" more by midinte for 3.49" storm total and 4.23" for month. The entire period of precip was very warm with no snow. When every the total of the continued of the continu

more by midinte for 3.49" storm total and 4.23" for month. The entere period of precip was very warm with no snow. When enter up with the formal and the work of t

to the season with a grad 🔭 🕈

## MARCH-1988

DA:	re arecip	LOW	HIGH	MAX.WI	ND-TIME	MII	ES(TIM	E)-AV.	
Ma.	r.1 .26"	+46 4/42	+55	SE-24	11:45p		mid	0.36	<del></del>
##	2	+43 6158	+68 18/31	NW-25	2:45a		mq8	1.20	
n.	3	+46 0131	+70 18:09	SW-16	1:45p	20	H	0.83	
11	4	+51	+62	SW-12	3:15p	4	н	0.17	
1\$	5 sunth	+47 6115	+67 1/28	SW-13		14	ti .	0.58	
n	6	+46 148	+66	SW-19		15	· н	0.63	
71	7	+50 432	+69 12:05	SW-13		6	TS	0.25	
11	8	+50 6107	+74	SW-16		18		0.75	
Ħ	9	+51 6/38	+75 1:88	NW-36	5am	48	21	2.00	
11	10	+46 611	+68	NE-42	10pm	89	10	3.71	MARCH DAT!
11	11 Sunset	+45 606	<b>+6</b> 6	NE-20	12:30a	68	u	2.83	Low-43 2
"	12	+48 844	+67	NE-25	5:30a	57	e#	2.38	"high"low-72 26
41	13	+45 5/18	+73	SW-20	11:50a	. 24	# •	1.00	High-93 25
**	14		`±72	SW-17	noon	27	ŧŧ	1.13	"low"high-55 1
H	15	+44 6:38	+64 1/48	SW-19	3:15p	28	86	1.17	Low Aver:-51.0
11	16	+46 507	+63 108	SW-13	3:15p	18 -	Ħ	0.75	High Aver73.9
ш	17	+46 368	+75 1:36	SW-17	. llam	23	H	0.96	Average-62.5
11	18	+53 4425	+78 han	SW-19	10:50a	24	<b>H</b>	1.00	Days of;
11	19	+57 5198	+86	SW-18	12*50p				90- 2 days
**	20	+61 5127	+87 12/36	SW-15	10:45a	21	21	0.88	80- 5 days
H	21	+57 6/18	<b>+78</b>	S₩ <b>-1</b> 6	2:45p	19	14	0.79	70-14 days
н	. 22	+47 6:16	·+71 /:/8	SW-15	12:15p	21	44	0.88	60-13 days
11	23	+51 645	+74	SW-16	noon	20	u	0:83	50-14 days
н	24	+53 3136	+88 1418	3W-20	12230p	34	20	1.42	40-14 days
11	25	+65 530	+93	NE-20	2pm	1		•	Temp.difference;
	. 26	+72	+92	NE-21	2:40p	V			High-35 degrees.
ti	27	+62	+81	NW-21	. mg€	104	u	1.44	Low-9 degrees.
H	28	+50 5113	+79	SW-20	1:35p	25	18	1.04	Average-22.8 degree:
11	29 '	+53 6104	+78 12:42	SW-20	1:55p	37	18	1.54	Av.max.wind-20 mph.
!1	30	+48 5159	+70		12:15p	25	18	1.04	Max.wind-NE-55 mph.
11	31	+53 12:03	+81	NE-55	5:30a	132	Ħ	5.50	Min.wind-SW-12 mph.
	-		•	*					Total wind-945 mile:
	-			•					Av.wind speed-1.31 I

<sup>1-</sup>From 1 to 2am had a rain shower then occ'l lite showers until 4am with .10" since midnite. Broken clouds during day produced T" showers around noon then from 4:30-5pm had .07" more for .17" during day or .20" since 5pm yesterday. At 9:30pm a new area of squalls moved over with a thunderstorm at 10pm and rain until midnite with .09". It did produced the first snow in a month in mtns above 6,000 feet with 6" Big Bear. The rain period from Feb. 27 thru today or two storms, produced the following totals; office=2.58", LA-1.30", LAX-1.05", Prout-4.02", Crab-4.34", Pasa-2.23", Wdld Hills-2.43", Avalon-.59", Newpt Bch-.21", Beaumont-.52", Mt. Wilson the wet spot=7.05" but Big Bear-.42", Lanc-.49", cabin-.49" and all other deserts-0 with San Deigo-.71" and Julian-1.14".

<sup>2-</sup>Was 40° in Fairbanks, Alaska today, only 3° shy of record high.

<sup>5-</sup>Had a lite fog move in in late evening.

<sup>6-</sup>Had a lite fog in the morning.

<sup>9-</sup>Gusty NW winds came up after noon after passage of a dry front. Hit 36 mph at 5pm. Were strong in the northern deserts up to 70 mph in Owens Vly and 45 m ph at San Miguel Island.

<sup>10-</sup>NW winds blew occ'lly all day to 28 mph at 9:45am then shifted to NE after 8pm to 42 mph at 10pm.

<sup>11-</sup>NE winds ended by 1:15am hitting only 20 mph at 12:30am.

15-Strong winds developed in deserts from storm forming in southern Utah.

Hit 52 mph at Las Vegas, 63 mph Mammoth and 73 mph at Mojave.

18-The warm winter continued with a 78 high, warmest of month so far and since Reb 25. Haven't had a drop of rain for 17 days either. Barometer went up to 30.32", highest ever for March. This is the 5th monthly record in last

20-High of 86 tied for second warmest March temp on record. Was 81 LA, 84 Pasadena, 82 Woodld Hills, 83 Palm Sprs, 85 San Luis Obispo and nation hot spot of 92° at Miramar and Lemon Grove. Low of 61° was warmest March morning since 1981. High climbed to 87°, second highest March ever and only 2° shy of recod set 2 years ago. Was warmest day since Oct. 5, 1987. Was 89 LA, 87 LAX, 90 Pasadena and Santa Ana and San Juan Cap. Was in 80 elsewhere

87 LAX, 90 Pasadena and Santa Ana and San Juan Cap. Was in 80s elsewhere and nation hot spot was 92 at Miramar and Blythe.

24-Heat came back with a 88 high, only 1 from tieing the March record. Was 94 LA, 88 LAX, 92 Pasadena, 94 Long Bch and Sintee, 95 Palm Sprs and 98 Thermal. Day temp difference of 35 was station record for March.

25-An unbelievable 93 high today. Beat the station March record by 4 and went back to 1966 to find a March record of 94. Low of 65 was warmest March morning since 1978. Was 96 LA and Pasadena, 92 Burbk, 93 LAX, 99 Monrovia, 97 San Berdu; 97 Irvines and Plm Sprs, 100 Thermal and RMRC with 101 was nation high and a record March high. Was all caused by a weak Santa Ana condition. Santa Ana condition.

Santa Ana condition.

26-Another 90+ day with 92. Low of 72 was station record high low beating old record by 4. Was also a March record ever for a Gregg station. Low at Northridge was 70 and Westwood was 76. LA hit 98, LAX-95, Burbk-93, Wdlad Hills-97, 98 at Long Beach, 101 at San Gab'l and Monrovia, 102 Miramar, 100 Plm Sprs and nation hot spot again at RMRC with 104. Santa Maria 95 was the hottest March ever and Sacramento's 90 tied for their hottest March ever. The 71° at Big Bear was hottest March day since 1972. Was 94°50/6

27-High at Plm Sprs of 103 was-warmest March temp since 1966 and was only 2° from tieing the allotime record for March set in 1902. Was 102 RMRC.

Barometer went down to 19.82" at 6pm. low for the month.

31-NE winds began at 12:30am hitting 55 mph at 5:30am: Was strongest March wind in 5 years. Was 6th day of the month with NE winds, a station record. Winds ended by 5pm.

Partly Cloudy-days-19 Cloudy days-0 Clear days-12 Days with thunderstorms-1- Days with fog-2 Days with NE winds-6 Was the clearest March on record, 6 days above normal. Was the driest March since 1972 and 3 below normal. Was 4th driest March in 34 years of records. Was the first March with no cloudy days: High average was the warmest ever and 8 above normal, low average was warmest since 1978 and 3 above normal.

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3 10 50 50 4

## APRIL-1988

DATE	orgenio	LOW	HIGH	MAX. NT	ND-TIME	MTT	ES(TIM	El-AV	
Apr.1	1100110	+53	+78	SW-23		39	8pm	1.63	
" 2		+51 643	+75 18:81	SW-20		23	11	0.96	
." 3		+51 6,59	+75	SW-21		22	u	0.92	
" 4		+47 6/56		SW-24		14	rt	0.58	
# 5		+53 418	+88 11:00	SW-15	_	16	11	0.67	
" 6		+62 5 88	+90			24	10	1.00	•
# 7		+63 6:49		SW-19		10	н	0.42	,
			+82	SW-14		TO		0.42	APRIL DATE
U		+53	+81	SW-13					Low-41 15
		+57	884		12:55p	20	. н	À ==	
" 10		+64	+89		12:55p	38	н		"high"low-64 10 & 1.
" 11		+64	+89	S₩-16	2:30p	15	11	0.63	High=90 6
" 12		<b>+</b> 56	+81	SW-15	4:45p				"low"high-52 23
" 13	. 10	+55	+74		12:50p	27	n		Low Aver50.8
" 14	.978	+46	+54	NW-32	1:30p	29	U		High Aver71.5
" 15		+41	+59	SW-17	11:10a	13		0.54	Average-61.2
" 16	1	+45	+61	SW-18	10a	14	11	0.58.	Days of;
" 17		+51	+64	SW-20	3:05p.	26	H	1.08	90- 1 day
" 18			+65 105	SW-18	3pm	19	п	0.79	80- 7 days
" 19	1,13	+51 788	+66 1783	SW-32	llam.	35	#		70- 9 days
" 20		+46 11:43			9:40a	35	H -		60-12 days
" 21	07"	+43 701	+58 /1/834	SW-19	3:45p	22	້າ		50-17.days
" 22	. ''	+44 6.53	+60		.2:30p	42	er sign of the		40-14 days
" 23	H9"		+52 3:30		11:10a	23	n		Temp.difference:
		+42 Gal			1:45p	29	. 6		High-35 degrees.
~ <del>~</del> ~		+42		24-10	1:15p		44		Low-7 degrees.
" 25	T.	+47 6:36				27	in the second		Average-20.3 degrees
" 26		+51 6:46	+77 12:66	SW-17	2:15p	22		7 20	Av.max. wind-20 mph.
" 27		+49 (438			3:50p	31	. 17 <b>.</b>	1.49	Av. max. wind-zo mpin.
" 28		+49	+68	SW-22	3:30p	28	·		Max.wind-NW-44 mph.
" 29		+47	+70	SW-20	2:45p	25			Min.wind-SW-13 mph.
" 30	A	+49	±70	NW-44	1:30p	47	7 7	1,96	Total wind-695 miles.
	3,71	ter a digital sa te Andrea		· · · · · · · · · · · · · · · · · · ·	<u> </u>		<i>_</i>	<u>.</u>	Av.wind speed-0.97 m
5-Heat	ed u	p to 88,	warmest	in 10 (	lays. W	as 8	B Pasa	dena,	
92 W	oodi	d Hills,	96° San	Berdu a	10 38 ET	TOR			. 02° na - 2 anna 10 4° 1143.
6-High	o£ !	90 beat	the date	record	by 11 s	0 <b>t 1</b> !	u *128T	wa	s 93 Pasadena 194 Wdl
Hill	s, 9	B°San Be	rqu, 89	sorand'	, 104 Pa	TW 2	ors an	d Inp	RMRC Was 72 even without a drop of ra:
at T	ahọe	Valley	and 79° a	t cabin,	. Haş D	sen .	36 day	s now	without a drop of ra.
by <b>f</b>	ar a	March-A	pril rece	ord.	···			•	
10-6th	day	in à ro	w of 80+	with 89	J. In S	an F	ran wa	s 91,	hottest April EVER.
Low	of	64° tied	the Apri	l warme:	st min.	temp	•		•
12-8th	day	in a ro	the Apri w of 80+	with 8	ľ,		era et e	and the second	er e
13-Thu	nder	storms a	nd showe:	rs hit	ntns and	des	erts w	ith	18" Beaumont and Palm
Spr	s an	d .10" B	ig Bear.				·	ing the second of the second o	
14-Aro	und	lam the	first mo	isture :	in 44 da	ys b	egan w	ith 1	ite rain most of the
dav	wit	b .76" b	v 5pm-	Ended n	ear midr	ite	with .	21" m	ore for .97" storm
tot	al -	Thiswa	s Wettes	t April	in 5 vr	s.	Office	63"	Prout-1.03", Bob
2_3	90"	T.A. 42"	OT.AX_ A	6" Pag	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	IG P	ch- 10	" Wd	ld Hills85", Beau-
10	\$ . T.		74" M+	- Wilson	70"	Lan	C= 27"	Plm	Sprs13" with 1.11"

10" Big Bear-.74" Mt. Wilson-2.70", Lanc-.27", Plm Sprs-.13" with 1.11" at Mt. Laguna, .70" San Deigo and 1.40" Mt. Palomar. Had NW winds to 32mpl at 1:30pm. High of 54 was coolest afternoon since Feb.29. Big Bear had a few inches of snow. La Cres. Off" Crystal Lk-3,20", Lk Arrawhd-3.06".

15-Showers conti. in deserts with a whopping 1.73" at Death Viv. Low of 41° was coolest morning since Feb.23.

19-Had a drizzle in early morning of .01" by 8am with a few more showers until llam with .01" more or .02" total. At 4:30pm began to sprinkle with T" more by 5pm as a lite rain began. At 10:45pm had an abrupt wind shift from SE to SW hitting 32 mph at 11pm then decreasing with rain, moderate from 7 to 8pm, letting up at midnite with 1.73" or 1.75" storm total At wind shift the temp fell 6 immediately.

20-Occ'l lite rain ended by 6:30am with 1.99" since 5pm to 7am or 2.01" storm total so far. Showered again in morning ending by noon then another shower from 4-5pm for .19" more during day or 2.20" storm total. Snow stuck above 5,000 ft with 5" Big Bear and 3" Mt. Wilson. High of 53 was coolest April high in 5 years. Central Calif. reported several water more spouts and funnel clouds. Showers ended by 5:30pm with onlyT" more was spouts.

- 21-Upper low off coast moved south with heavy thunderstorms in San Deigo area in morning then building clouds produced shower here at 1pm of T" and at 3:10pm a thunderstorm began about 5 miles south with heavy rain in downtown LA area and lite rain here after 4pm with .05" by 5pm for 2.25" storm total so far and rain ended and skies breaking out after 5:30pm with .02" more and 2.27" storm total with office-1.82", Pasadena-2.00", LA-2.00", LAX-0.62", Avalon-.82", San Berdu-1.02", Wdld Hills-1.94", Beaumont-1.44", Mt. Wilson-4.81", Big Bear-1.37", Lancaster-.17", Plm Sprs-T" with San Deigo-2.87", Borrego-.28" and Palomar-3.05". Baro went down to 29.76" at 5am. By Tulba-3.68", Crystal W.-4.80", McCres-2.33", W Arrand 3.99".

  23-Had a brief shower at 7am then a lite rain began at 8:15am along with one
- 23-Had a brief shower at 7am then a lite rain began at 8:15am along with one roll of thunder far to SW and ended at 8:45am but another rain shower bega at 9am until 9:45am along with a thunderstorm SE from 9:16 to 9:21am then rain again from 10:30 to 11:30am with another thunderstorm from 11:19 to. 11:27am. Could see snow falling above 3,500° and sticking above 4,500° including the Ridge Route with 2° Mt. Wilson. Skies broke some after 1pm with .49° Month total now of 3.72° makes this April the 2nd wettest in 21 years and 6th wettest in 31 years. Had another sprinkle at 3:30pm of The 2nd day this month of thunderstorms tied the month record set in 1983. High of 52° was coolest max in 6 years and 3° from tieing record. Was also the coolest afternoon since Jan. 17. In Tustin, 8 people standing under a tree were injured by a lightning strike. Office-.37°, LAX-.06°, Pasa-.48° Wdld Hills-.42°, Beaumont-.28°, Mt. Wilson-.66°, Big Bear-.11°, Lancaster-.09°, Plm Sprs-0 with San Deigo-.04°, Julian-.87° and Cuyumaca Park-1.75°.

24-Baro rose to 30.22" at llam. 27-Had a brief lite fog move over at 8am.

27-Had a brief lite rog move over at cam.

30-Gusty NW winds came up after 5pm to 44 mph at 11:30pm. Was a cold wind for this time of year with Big Bear reporting snow flurries in the evening. San Deigo ended up with it's 2nd wettest April in 116 years of records with 3.71".

Clear days-10 Cloudy days-3 Partly Cloudy days-17
Days with thunderstorms-2 Days with fog-1
Rainfall was double normal and wettest in 5 yrs and 2nd wettest in 21 yrs
Temps average just slightly above normal.

## MAY-1988

DATI	Ε	LOW	HIGH	MAX.WI	VD-TIME	MII	ES(TIM	E)-AV.	
May	1	+46 6:58	+74 2:18	NW-31	1:20p	117	mqe	4 <b>.5</b> 8	
#	2	+49 4:48	+78 A 53	SW-20	1:30p	34	ard8	1.48	
0	3	+54 3/44	+79	SW-18	12:50p	30	Ð	1.25	
.44	4	+50 5:/4	+69 12109	SW-21	12:25p	42	н	1.75	
**	5 T	+47 10pm	+59 1/50	NW-30	3:55p	72	7pm	3.13	
Ħ	6	+40 600	<b>+62</b>	SW-20	9:25a	48	8pm	1.92	
ra	7 ,08"		+59	SW-21					
13	8	+46 5:37	+68	SW-18		154	11	0.92	MAY DATE
**	9	+48 678	+78 1/85,		12:45p	21	"	0.88	Low-40 6
11	10	+59 <i>6:4</i> 4	+90 1132	SW-19	1:50p	24	н	1.00	"high"low-67 12
Li	11	+64 6:23	+94 //99	NW-18	брт	29	11	1.21	High-94 11 & 12
Pa	12	+67 615	+94	SW-16	1:15p		ti	0.67	"low"high-59 5 & 7
н	13	+56 3:25	+81 202		12:50p	12	5pm	0.57	Low Aver52.9
13	14	+60	+85	SW-16	3:15p	19	8pm	0.70	High Aver77.8
Ħ	15	+52 5146	+80 /68	SW-15	1:45p	16	11	0.67	Average-65.4
It	16	+52 3/29	+75 laiss	SW-18	1:35p	25	**	1.04	Days of;
25	17	+53 6:64	+67 1148	SW-17	4:05p	15	##	0.63	90- 5 days
te	18	+49 621	+76 12:35	SW-15		18	#	0.75	80- 7 days
Ħ	19 .	+53 6:19	+87 !!48	SW-18		21	11	0.88	70-12 days
18	20	+56 4:37	* +92 12/58		1:15p	18	**	0.75	60- 9 days
\$1	21	+60 -5'-08	+94 1240	SW-14		17	11	0.71	50-17 days
11	22	+62 6.19	+89	SW-15		17	Ħ	0.71	40-10 days
H	23	+60 6107	+82 2106	SW-20		20	13	0.83	Temp.difference:
H	24	+55 663	+80 2145	SW-15	11:40a		20	0.92	High-36 degrees.
n	25	+52 5/17	+78 1120	'S₩-17	12:30p	18	H	0.75	Low-10 degrees.
H	26	+51 6:07	+78 149	S <b>₩-1</b> 8	2:35p		n '	1.00	Average-24.9 degrees
79	27	+52 6:35	+74 12106		12:15p			•	Av.max.wind-20 mph
19	28	+54	+64	SW-12	9am		•		Max.wind-NW-48 mph
	440، 29	+48	+73	NW-48		106	11	1.47	Min.wind-SW-12 mph
**	30	+49 616	<b></b>	NW-30	1:15p				Total wind-854 miles
74	31 0:12"	+50 5:84	+79	SW-19	2:30p				Av.wind speed-1.23mg

1-NW winds continued most of day with 31 mph at 1:20pm. Was cold in mtns with 23 Big Bear, 24 cabin and was 2nd coldest May for station with a 24 at Mt. Wilson and Mt. Laguna and 29 Palomar. Was 20 at top of Tram, coolest May in 5 yrs.

2-Baro went up to 30.22" at 11am, a May record high. Have set barometer highs for 4 of last 5 months and 5 of last 7 months.

5-Upper low off central Cal. produced sprinkles from 7-8am of T" with beautifucumulus skies in the afternoon. Measurable precip fell at Beaumont-.09", Lancaster-.04" and Riverside-.02" with .63" at Big Bear in snow with more precip in San Deigo County with .03" San Deigo, .10" Mt. Laguna with snow and .35" Cuyumaca Park in snow. Winds hit 42 mph at RMRC and high of only and .35" Cuyumaca Park in snow.

precip in San Deigo County with .03" San Deigo, .10" Mt. Laguna with snow and .35" Cuyumaca Park in snow. Winds hit 42 mph at RMRC and high of only 72 was station low max for May. Tram had 3" of snow. The action of snow of the station of snow of the station of snow of the station of snow. The station of snow of the station of snow o

7-Upper trough went over after 5pm with lite rain for an hour of 08". Most areas had nothing but Pasadena-.02", San Berdu-.04", Prout-.14" and Mt. Wilson-.11" and office-T". Showers hit foothills above Sta Barbara and Solvnag around noon. Over last 3 days northern and central Cal has received .37" San Fran, .15" Sta Maria, .45" Fresno, .78" Napa, 1.40" Redding and 1.73" Shelter Cover

10-High of 90 was waffest day in nearly a month. Was 89 LA, 93 Pasadena and really warmed up in deserts with 101 Blythe, 105 Borrego and 106 Plm Sprs

and Thermal. Low of 59 was warmest morn in a month.

11-Summer arrived. High of 94 was hottest May temp in 4 yrs and 2nd warmest in last 9 years. Was warmest day since Oct, 1987. Was 91 Pasadena & LA, 103 Northridge, 101 San Berdu, only 69 Avalon and 67 Sta Monica but 110 Horrego, 109 Thermal and nation hot spot and warmest May in 4 years at Plm Springs with 112. RMRC was 111 at station record for earliest temp above

12-Heat conti, with 94° high. Was 93° Pasadena, 100° Northridge, 92° Sta Barbara

and 112°Plm Sprs, Thermal and RMRC, all hettest spots in the US.

17-Weak front moved down the coast last nite with only wind in the deserts here but .11" San Fran, .60" Blue Cyn and 1.82"Redding.

19-Temp of 53 to 87 both tied the date records for the coolest and warmest

May 19th. Low was set 7 years ago and high 2 years ago.
20-Hit 92 with 95 Pasadena, 106 Northridge, Wdld Hills and San Berdu with 92 San Francisco.

21-High of 94° was 5th day this month of 90+, a station record. Was 109° RMRC. 28-Cloudy skies all day brought coolest high of 64 in 3 weeks. After 11pm

occ'l lite rain bégan.

29-Rare very cold air mass produced showers in early morning hours of .04" and brought very strong NW winds after 7am to 48 mph at 8:50pm. Strongest May winds in 4 years. Cabin at Big Bear had snow begin around 5am, becomir moderate around 9am and contined off and on until 4pm for 2" on the ground and .20" of precip. High was only 39. Was latest snowfall in 26 years. Precip was spotty everywhere with T" LAX and Lancaster, .05" San Berdu, .08" Bks-field, .08" Big Bear and .33" Beaumont and .05" San Deigo, .57"
Julian and wet spot 1.00" at Palomar. Winds gusts were; LAX-44 mph, Lanc39 mph, Imperial-46 mph, Las Vegas-46 mph, Plm Sprs-40 mph, RMRC-37 mph, Daggett-52 mph, San Miguel Island-46 mph and Mojave-75 mph. Baro fell to 29.78" at 9pm, lowest reading in May in 8 years. High at RMRC of 78 was 15 cooler that yesterday. Grant Grove had 5" show, 7" Tahoe & A" Blue Cyn. 30-NW winds ended by 4am but gusted during day briefly to 30 mph at 1:15pm.

Clear days-11 Cloudy days-1 Parlty Cloudy days-19 Rainfall was 1/3 of normal. Was clearest in 4 years and 2nd clearest in 11 years. The day temperature difference was a May record. av. low temp was just below normal but the av. high was 4 above normal, the 2nd highest av. high in 11 years.

#### JUNE-1988

DAT	E	LOW	HIGH	MAX.WIND-TIME	MILES(TIME)-AV.	<u> </u>
Jun		+576184	+86 18154	SW-16 3:15p		
H	2 Sunta	+6,3 41,44	+90 100M	SW-16 2:30p	В	
H	3 ****	+64 557	+89 452	SW-15 2:20p		
#1	4	+55 6/8	+76 /163	SW-19 3:15p		
Ħ	5	+47 4113	+69 1388	SW-22 12:20p	R	
11	6	+49 6:36	+65 18:01	SW-25 noon		
a	7	+44 6116	+71 18118	SW-21 1:45p		
11	8	+47 5145	+77 12:16	SW-18	. 0	
H	9	+54 8:58	+79 18134	SW-19 12:50p		JUNE DATE
Ħ	10	+53 559	+81 12/38	SW-12 2:10p		Low-44
11	11	+51 4:49	+75 1204	sw-21 1:45p		"high"low-🎶 27 🗲 3
44	12	+52 1101	+74 1100	SW-21 1:15p		High-90 2
l f	13	+51 6116	+81 /449	SW-19 2:30p		"low"high-65 6
Ħ	14	+53 550	+85 14:35	sw-18 4:15p	E	Low Aver54.1
IF		+52 6:44	+79 12139	SW-17 1:15p		High Aver79.4
18	16	+53 12159	+79 12148	sw-16 2:15p	-	Average-66.8
11	17	452 6153	+70 idiad	SW-17 3pm	N	Days of;
u	18 T"	+53 5:39	+82 1:07	SW-15 11:45a		90- 1 days
11	19	+56 5727	+72 12155	SW-20 12:40p		80-14 days
И	20	+56 6100	+73 aloa	SW-20 3:10p		70-13 days
H	21	+51 603	+81 //46	SW-22 3:15p		60- 5 days
10	22	+56 6:38	+83 12:63	SW-18 1:15p		50-23 days
T.E	23	+53 6118	+77 \$157	sw-19 1:25p		40- 4 days
tt	24	+53 609	+76 12:36	sw-21 2:15p		Temp.difference;
88	25	+53 3123	+80 <sup>~</sup>	SW-22 3:35p		High-32 degrees.
tt	26	+58 3/37	+87 12:34	SW-20 12:45p		Low-16 degrees.
Ħ	27	+64 6:01	+89 lalax	SW-17 2:30p		Average-25.2 degree
н	28	+58 610	+84 12122	sw-21 3:50p		Av.max.wind-19 mph.
16	29	+59 4157	+84 nach	SW-18 2pm		Max.wind-SW-25 mph
13	30	+57 6/49	+87 1817	SW-18 2:45p		Min.wind-SW-12 mph.
	<del></del>				<i>y</i> . • • • • • • • • • • • • • • • • • •	ToTal wind
	. •	24 2	(x,y,y) = (x,y,y)	$\label{eq:constraints} V_{ij} = \sum_{i=1}^{N} \left( \frac{ V_{ij} ^2}{ V_{ij} ^2} + \frac{ V_{ij} ^2}{ V_{ij} ^2} \right) = \frac{ V_{ij} ^2}{ V_{ij} ^2} +  V_{$		Av. wind speed

- 5-Low of 47 tied the June record low set in 1985 and 1980. Was coolest day in nearly a month. High of 69 was coolest June day in 3 years. Was 50 Pasadena, 49 Wdld Hills, 34 Mt. Wilson but 46 Big Bear.
  6-Cool air continued with a 49 low. High of 65 was coolest max. in 4 years. Was 52 Pasadena, 44 Wdld Hills, 31 Mt. Wilson, & 29 Big Bear. Up north rain showers continued and Tahoe had brief lite snow this morning. Lows included 37 Paso Robles, 30 Mammoth, 24 Tahoe and nation low of 22 at Truckee. Whe +6 7-Low of 44 was coldest June ever in stations records and coldest in area sinc 1971. Was 46 Pasadena, 43 Wdld Hills, 32 Mt. Wilson, 29 Bishop and the 26 at Big Bear was coldest in 6 yrs and second coldest in 17 years. Was 32 Cuyumaca Park and 27 Julian. Went down to 49 at RMRC, a station record low. Rain continued in central and north Calif. With over 1 in several areas & 24 low at Mammoth, the nation low. Had .70 at San Fran and 1.27 Red Bluff 240 low at Mammoth, the nation low. Had .70" at San Fran and 1.27" Red Bluff Baro went up to 30.15" at 11am, highest June reading in 4 years. 8-Low of 47 was 4th day this month of temps in 40s, a station record. Was 46
- Pasadena, 45 WdId Hills, 38 Beaumont and 27 Big Bear. Went down to 23 Mammt a nation low was 22 at Tahoe and Truckee.
- 9-Upper Tow continued off northern Calif with 1.25" at Crescent City and was
- 21 at South Tahoe.
  17-Cool weather contined with 52 low. We have tied or broken the low date records for 7 of last 17 June days. Av. low is 5 below normal and a record low so far. High of 70 was coolest in 11 days.

18-A rare June thunderstorm began at 8:31pm to SW until 8:45pm with closest lightning at 1 3/5 mile but was mostly cloud to cloud. From 8:40-:45pm had T" sprinkle. Was caused by upper low SW of San Deigo and brought T" amount to southern deserts and mountains. Was first moisture in 3 weeks. Beaumor had .08" with .01" Wdld Hills and San Berdu and T" RMRC.

19\_Some areas again had thunderstorms particularly central Cal and Tehacapi

areas. Tehachabi- ,08"

20-showrs hit RMRC in early morn with .03" Indio-08"

20-Showrs hit RMRC in early morn with .03" IMIC-00

23-Upper low off coast caused thunderstorms and rain to hit the Big Bear area including Thermal and Death VIV In the morning then touched off thunderstor in Barstow region all afternoon and also the Sta Barbara area with .03" & Solvang with .11" including hail. Was clear here. 100 Hamos 19, Opin 19"

24-Thunderstorms hit Sta Barbara mtn areas again in the evening.

26-Low of 56 was warmest morn in 23 days and high of 87 was also. Was 91 Pass dena, 96 Wdld Hills and 109 Palm Sprs and 112 RMRC. At 8:05am had a light, faw seconds Raphylotiaky. Was 4.5 centerged in Unland.

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few seconds EARTHQUAKE. Was 4.5 centereed in Upland.

27-Heat continued to warm up with warmest day in 24 days with 89° Was 93° Pasadena, 102 Wdld Hills, 110 Plm Sprs and RMRC and 117 Death Vly. Baro went down to 29:86 at 9pm.
28-Occasional fog in the morning.

30-Fog in the morning.

4-1 . .

Clear days-8 Cloudy days-1 Partly Cloudy days-21 Days with thunderstorm-1 Days with fog-2 Av. low was 3 below normal and coldest in 6 yrs and 2nd lowest ever. Temps av 2° below normal and coolest av. in 5 years. Rain was below normal with T" which was driest month since Aug. 1986. Day temp difference minimum day of 16° was a station record high and av. for month was 3° above average and 2nd highest on record.

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