

...JULY 2012 CLIMATE SUMMARY...

...RECORD WARMTH FOR THE NATION...BUT COOLER THAN AVERAGE WEATHER  
IN OUR AREA...

JULY 2012 WAS THE WARMEST MONTH ON RECORD FOR THE CONTIGUOUS  
UNITED STATES. JULY TEMPERATURES WERE MUCH ABOVE AVERAGE ACROSS  
THE PLAINS AND MIDWEST AND ALSO ALONG THE EASTERN SEABOARD. IN  
TOTAL...32 STATES HAD JULY TEMPERATURES AMONG THEIR 10  
WARMEST...AND EIGHT STATES HAD THEIR WARMEST OR SECOND WARMEST  
JULY ON RECORD.

SUMMARY FOR THE SAN FRANCISCO BAY AREA AND MONTEREY BAY AREA...

IN CONTRAST TO MOST OF THE NATION...TEMPERATURES ACROSS CALIFORNIA  
IN JULY WERE NEAR AVERAGE. AND...MOST OF THE SAN FRANCISCO BAY  
AREA AND MONTEREY BAY AREA EXPERIENCED A SLIGHTLY COOLER THAN  
AVERAGE MONTH. CONDITIONS BOTH LOCALLY AND NATIONALLY DURING JULY  
2012 WERE SIMILAR TO JULY 2011. JULY 2011 WAS ALSO SLIGHTLY COOLER  
THAN AVERAGE IN OUR PART OF THE COUNTRY...BUT THE NATION AS A  
WHOLE HAD ONE OF ITS WARMEST JULY'S ON RECORD LAST YEAR.

MUCH OF THE CONTIGUOUS U.S. WAS UNDER A STRONG UPPER LEVEL RIDGE  
OF HIGH PRESSURE DURING JULY 2012. UPSTREAM FROM THAT RIDGE...A  
TROUGH OF LOW PRESSURE PERSISTED ALONG OR NEAR THE WEST COAST.  
THIS UPPER LEVEL TROUGH IS WHAT CONTRIBUTED TO OUR SLIGHTLY COOLER  
THAN AVERAGE TEMPERATURES FOR THE MONTH. ON A FEW OCCASIONS...THE  
UPPER RIDGE EXTENDED WESTWARD ACROSS CALIFORNIA AND PRODUCED BRIEF  
WARM-UPS ACROSS OUR AREA. THE MOST NOTABLE OF THESE WARM-UPS  
OCCURRED ON THE 11TH AND THEN AGAIN TEN DAYS LATER ON THE 21ST.  
TEMPERATURES TYPICALLY DID NOT STRAY TOO FAR FROM AVERAGE DURING  
THE MONTH AND NO DAILY HIGH OR LOW TEMPERATURE RECORDS WERE SET OR  
TIED IN JULY.

PRECIPITATION DURING JULY 2012 CAME PRIMARILY IN THE FORM OF  
DRIZZLE FALLING FROM MARINE LAYER STRATUS CLOUDS...MAINLY NEAR THE  
COAST. MOST INLAND AREAS PICKED UP NO MEASURABLE RAINFALL DURING  
THE MONTH. THIS IS NOT UNUSUAL AS JULY IS TYPICALLY THE DRIEST  
MONTH OF THE YEAR. IN FACT...THE 30-YEAR AVERAGE JULY  
PRECIPITATION IS ZERO OR NEAR ZERO AT MOST INLAND CLIMATE  
STATIONS.

...JULY REGIONAL TEMPERATURE SUMMARY...

LOCATION	DEPARTURE			DEPARTURE		
	AVG	NORMAL	FROM	AVG	NORMAL	FROM
	HIGH	HIGH	NORMAL	LOW	LOW	NORMAL
NORTH BAY...						
CALISTOGA	89.9	91.4	-1.5	50.6	52.5	-1.9
HEALDSBURG	87.5	89.5	-2.0	53.3	54.6	-1.3
KENTFIELD	80.4	82.7	-2.3	51.6	53.0	-1.4

NAPA AIRPORT	77.3	78.3	-1.0	53.4	52.5	0.9
PETALUMA	80.8	81.9	-1.1	51.4	52.3	-0.9
SAN RAFAEL	79.7	79.6	0.1	53.2	54.9	-1.7
SANTA ROSA AP	83.2	83.1	0.1	50.5	51.9	-1.4
SONOMA	82.8	87.2	-4.4	52.7	52.8	-0.1

SAN FRANCISCO PENINSULA...

HALF MOON BAY	64.3	65.0	-0.7	52.6	51.6	1.0
PALO ALTO	78.5	79.6	-1.1	53.2	55.1	-1.9
REDWOOD CITY	79.7	82.0	-2.3	55.3	56.1	-0.8
SAN FRANCISCO AIRPORT	70.1	72.0	-1.9	54.8	55.4	-0.6
SAN FRANCISCO DOWNTOWN	65.4	66.5	-1.1	53.5	54.1	-0.6

EAST BAY...

BERKELEY	72.9	73.9	-1.0	52.1	53.0	-0.9
CONCORD	87.5	88.0	-0.5	56.9	57.9	-1.0
CONCORD AIRPORT	85.5	87.0	-1.5	55.4	57.7	-2.3
HAYWARD AIRPORT	73.9	73.0	0.9	56.4	57.4	-1.0
LIVERMORE AP	87.0	87.5	-0.5	56.1	57.2	-1.1
MARTINEZ	88.2	88.7	-0.5	53.5	51.1	2.4
MOUNT DIABLO JUNCTION	79.6	84.7	-5.1	58.5	60.3	-1.8
NEWARK	75.7	77.1	-1.4	55.5	57.8	-2.3
OAKLAND	71.0	72.0	-1.0	55.1	56.2	-1.1
OAKLAND AIRPORT	69.8	70.3	-0.5	54.5	55.5	-1.0

SOUTH BAY AND SANTA CRUZ COUNTY...

GILROY	85.0	88.2	-3.2	55.0	54.5	0.5
MOFFETT FED AF	75.4	77.1	-1.7	57.7	59.1	-1.4
MOUNT HAMILTON	76.9	77.8	-0.9	62.7	64.6	-1.9
SAN JOSE	79.9	81.9	-2.0	57.1	58.1	-1.0
SANTA CRUZ	73.0	75.3	-2.3	53.6	54.0	-0.4
WATSONVILLE	68.9	71.6	-2.7	54.2	53.7	0.5
WATSONVILLE AP	68.4	73.2	-4.8	52.5	53.1	-0.6

MONTEREY AND SAN BENITO COUNTIES...

CARMEL VALLEY	75.5	78.7	-3.2	50.4	50.2	0.2
HOLLISTER	78.1	81.0	-2.9	53.1	53.0	0.1
KING CITY	82.8	85.4	-2.6	52.7	53.1	-0.4
MONTEREY	63.5	66.3	-2.8	51.9	52.2	-0.3
MONTEREY AIRPORT	65.5	67.2	-1.7	54.1	53.6	0.5
SALINAS AIRPORT	69.6	71.0	-1.4	55.2	55.1	0.1

...JULY REGIONAL PRECIPITATION SUMMARY...

NOTE: ONLY CLIMATE STATIONS WITH MEASURABLE RAINFALL DURING THE MONTH ARE LISTED.

LOCATION	JULY TOTAL	AVERAGE JULY PRECIP	PERCENT OF NORMAL
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NORTH BAY...

KENTFIELD	0.02	0.00	N/A
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SAN FRANCISCO PENINSULA...

HALF MOON BAY	0.22	0.14	157
PACIFICA	0.10	0.03	333
SAN FRANCISCO DOWNTOWN	0.01	0.00	N/A

EAST BAY...

BERKELEY	0.02	0.01	200
MOUNT DIABLO JUNCTION	0.02	0.01	200
OAKLAND	0.02	0.00	N/A
OAKLAND AIRPORT	0.03	0.01	300

SOUTH BAY AND SANTA CRUZ COUNTY...

SANTA CRUZ	0.03	0.01	300
WATSONVILLE	0.04	0.01	400
WATSONVILLE AP	0.05	0.02	250

MONTEREY AND SAN BENITO COUNTIES...

HOLLISTER	0.01	0.00	N/A
MONTEREY AIRPORT	0.05	0.01	500

...DAILY TEMPERATURE RECORDS FOR JULY 2012...

NO DAILY TEMPERATURES RECORDS WERE SET OR TIED IN JULY

...MONTHLY RANKS FOR DOWNTOWN SAN FRANCISCO...

AVERAGE HIGH TEMPERATURE....65.4....54TH WARMEST OUT OF 136 YEARS  
 AVERAGE LOW TEMPERATURE....53.5....58TH WARMEST OUT OF 136 YEARS  
 PRECIPITATION.....0.01 INCHES....37TH WETTEST OUT OF 162 YEARS

...MONTHLY EXTREMES FOR SELECT LOCATIONS...

LOCATION	WARMEST DAY(S)	COOLEST DAY(S)	WETTEST DAY(S)
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SANTA ROSA AIRPORT	7/11 7/21 96 DEG	7/06 45 DEG	N/A
SAN FRANCISCO	7/21 74 DEG	3 DAYS 51 DEG	7/17 0.01 IN
LIVERMORE AIRPORT	7/11 104 DEG	7/06 7/10 53 DEG	N/A
SAN JOSE	7/21 92 DEG	7/10 7/15 54 DEG	N/A
SALINAS AIRPORT	7/21 78 DEG	7/12 52 DEG	N/A

NOTE: THIS CLIMATOLOGICAL DATA IS PRELIMINARY. FOR OFFICIAL  
 CERTIFIED CLIMATOLOGICAL DATA PLEASE CONTACT THE NATIONAL  
 CLIMATIC DATA CENTER AT 828-271-4800 OR <http://www.ncdc.noaa.gov>.  
 OFFICIAL VALUES AS DETERMINED AT THE ABOVE WEB SITE MAY TAKE  
 SEVERAL MONTHS FOR AUTHENTICATION AND PUBLICATION.

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