

## GREGG WEATHER STATION NO.V.

March, 2021

DATE	Precip	LOW	HIGH	MAX.WIND		
Mar. 1		+50 6:00	+76 12:25	SW-13	2:16p	
" 2		+53 6:25	+74 12:13	SW-18	1:17p	
" 3	.08"	+46 6:14p	+56 3:59	SE-22	11:19a	
" 4		+45 6:59	+70 11:22	SW-13	11:49a	
" 5		+52 6:34	+80 12:05	SW-14	12:33p	
" 6		+46 6:54	+71 2:49	SW-13	1:18p	
" 7		+47 1:27	+63 2:19	SW-9	4:04p	MARCH
" 8		+49 6:12	+62 11:32	SW-13	2:23p	DATE
" 9	T"	+42 6:17	+49 12:01	SE-20	1:54p	Low-37 11
" 10	.78"	+42 5:31	+50 6:20	SE-20	2:33a	"high"low-60 29
" 11	.39"	+38 6:12	+52 1:51	SW-12	10:46a	High-87 31
" 12	.02"	+39 6:22	+52 11:04	SW-14	11:36a	"low"high-49 9
" 13		+39 4:56	+62 12:25	SW-18	1:02p	Low Aver.-46.8
" 14		+46 6:35	+61 12:07	SW-14	11:25a	High Aver.-66.8
" 15	.18"	+43 7:56	+51 1:28	NW-17	3:17p	Average-56.8
" 16		+37 6:43	+60 12:50	NW-22	2:41p	Days of;
" 17		+42 6:39	+69 1:12	SW-14	3:09p	80- 5 days
" 18		+47 6:35	+69 1:07	SW-12	1:08p	70- 8 days
" 19		+49 5:07	+73 12:59	SW-12	11:36a	60-12 days
" 20	T"	+51 9:32	+64 1:12	SW-12	4:04p	50-13 days
" 21		+45 6:47	+65 12:51	SW-16	1:02p	40-20 days
" 22		+47 6:17	+68 1:01	SW-16	12:20p	30- 4 days
" 23		+46 7:22	+73 1:09	NW-29	8:48p	Day ttemperature difference;
" 24		+52 3:25	+72 12:43	NE-48	2:53a	High-33 degrees.
" 25		+41	+56 12:14	SE-20	1:06p	Low-7 degrees.
" 26		+46 4:07	+65 12:33	SW-19	11:15a	Average.-20.0 degrees.
" 27		+48 6:18	+76 12:54	SW-19	2:51p	Av. max wind-17 mph.
" 28		+55 6:35	+85 12:40	-----	-----	Max. wind-NE-48 mph.
" 29		+60 7:01	+81 12:47	SW-12	11:59a	Min. wind-SW 9 mph.
" 30		+48 7:26	+80 12:57	SW-13	1:42p	
" 31		+54 1:21	+87 12:37	SW-16	10:25a	

- 3-Began to sprinkle from upper low offshore then lite rain from 11am to 12:30pm with .08 falling. Hadgusty SE winds in morning to 22 mph at 11:19am. Office- Burbk-.05", Pasa-.18", Pierce-.02" Avalon-.72", LA-.16", LAX-.13", Ontario-.12", Big Bear-.02" with T" snow, Palm Sprs-T" with .90" - at Montgomery Field in San Deigo County. Barometer fell to 29.80" at 3pm, low for month.
- 8-Heavy stratus produced T" from 1 to 2am.
- 9-High of 49° was coolest March high since 2011.
- 10-Rain began at 2am along with one strike of thunder at 2:23am. Let up after 7am with another moderate shower and pea sized hail at 11am covering the ground. Showers ended at 1pm with .78" Snow fell down to 4,500' locally. Was first hail for any month in 5 years. Showers began at 6:45pm into evening.
- 11-Showers ended at 1am with a brief shower at noon for .39" falling since 5pm yesterday for 1.17" storm total. Snow fell down to 3,500 ft on Lukens.
- 12-Heavy cumulus built in morning with showers at noon and one thunder at 12:23 pm until cleared some at 2pm with .02". Three day storm total for storm; office- Burbk-.67", Pasa-.83", Pierce-.68", LA-.95", LAX-.89", Avalon-.34", Cogswell Dam-1.22", Badly-1.64", Palm Sprs-.05" Julian-2.20", Palomar-1.41". Snowfall included Mtn. Hi 15", Baldy 20", Wrightwood-8", Arrowhead-.19", Running Sprs-.13" and Big Bear-9"
- 14-Barometer rose to 30.25" at 1am, high for month.
- 15-Weak fron went over in morning with drizzle to lite rain after 6am to 10am then a shower at 3:30pm with .18". Office- Burbk-.21", Northridge-.31", LA and LAX-.30", Avalon-.21",

Arrowhead-.43", Palm Sprs-0. Strong winds hit coasts with Oxnard 47 mph, Catalina AP-46 mph, LAX-45 mph, San Nichlos Is-43 mph, Sta Rosa Island-52 mph and Sta Barbara Is-62 mph.

16-Low of 37° was low for month and since Dec., 2019. Was not a date record.

20-Drizzle in morning to 8am from heavy stratus of T" along with fog.

23-NW winds increased during day to 29 mph at 8:40pm. Barometer fell to 29.80" at 5pm tieing month low.

24-Winds shifted to NE hitting 48 mph at 2:5 3am. Was strongest wind since 2008. Then, let up. Hit 47 mph Chilao, 49 mph Camp 9, 37 mph Burbk and 69 mph near Magic MTsn.

26-Upper low to NE produced 2" snow at Big Bear in morning.

28-High of 85° was month hi so far and tied for the warmest Mar. in 4 yrs. Was 87° Burbk, 89° Pasa, 90° Pierce, 86° LA, 91° Fillmore and 90° Palm Sprs.

31-High of 87° was high for month and warmest March in 4 yrs. Was 86° Burbk, 87° Pierce, 88° LA and Fillmore, 89° Oxnard, 87° Sta Barbara, 86° Palm Sprs. Was not a date record.

Clear days-8      Cloudy days-0      Partly Cloudy days-23

Average temp was 1.2° below average and average max was 1.9° below average. First month below average temperature in one year. Precip was 2" below normal. Only 4.97" of rain has fallen this Jan-Feb-Mar, the 11th driest period in 67 yrs. Set no high or low date records.

Days with fog-1      Days with hail-1      Days with thunder-2      Days with NE winds-1

The average peak wind speed of 17 mph was the strongest for March since 2002.

Bill

Some other stations I keep daily records on. Many have missing data due to covid and are listed as inc.

2020

Big Bear City, CA. elev. 6,780 ft. Records for 71 years.  
Av. temp 48.5 normal 48.4 warmest year 51.0 1988  
coolest year 45.4 1964  
Av. max temp 63.1 normal 64.6  
Av. min temp 34.0 normal 32.0  
Maximum temperature 89 August Record 101 July, 2007  
Minimum temperature 6 November Record -26 Feb., 1979  
Precipitation 10.93" normal 14.42" Wettest year 36.36" 1952  
Driest year 3.82" 2002  
Days with measurable precip. 35 normal 44  
2019-2020 seasonal snowfall 68" normal 49"

Green Canyon Springs, CA elev. 6,930 ft. Records for 57 years. Located SW Big Bear City.  
Precipitation 10.22" normal 14.78" Wettest year 30.51" 1969  
Driest year 4.85" 2002  
Days with measurable precip. 32 normal 40

Big Bear Airport, CA elev. 6,750 ft. Records for 23 years. Located east Big Bear Village.  
Av. temp 46.6 normal 46.7 warmest year 48.8 2003  
coolest year 44.6 2011  
Av. max temp 60.9 normal 60.8  
Av. min temp 32.4 normal 32.6  
Maximum temperature 88 September Record 93 July, 2003  
Minimum temperature 5 November Record -8 Jan., 2007  
Precipitation inc normal 6.84"  
Peak wind gust West 43 mph November Record SW 54 mph Dec., 2010

Big Bear Lake Dam, CA elev., 6,800 ft. Records for 136 years.  
Precipitation 21.50" normal 37.34" Wettest year 89.34" 1884  
Driest year 13.22" 1929

2020

Big Bear Lake, CA. elev. 6,570 ft. Records for 60 years.  
Av. temp 49.7 normal 47.5 warmest year 50.4 2017  
coolest year 43.5 1964  
Av. max temp 63.5 normal 62.2  
Av. min temp 35.9 normal 32.5  
Maximum temperature 87 August/Sept. Record 94 July, 1972, 1998, 2005 &  
2007  
Minimum temperature 15 February Record -25 Jan., 1937 & Jan., 1979  
Precipitation 14.77" normal 21.51" Wettest year 55.76" 1969  
Driest year 7.01" 1999  
2019-20 seasonal snowfall 73.0" normal 68.3"

Indio, CA. elev. minus 8 ft. Records for 134 years.  
Maximum temperature 120 Sep. Record 125 July, before 1909  
123 June, 1970  
Minimum temperature 41 Jan., Feb. & Dec. Record 13 Jan., 1937  
Precipitation 3.10" normal 3.11" Wettest year 12.00" 1983  
Driest year 1" 1894

Tehachapi, CA. elev. 4,190 ft. Records for 127 years.  
Av. temp 56.3 normal 54.5 warmest year 56.5 2003  
coolest year 51.9 1969  
Av. max temp 69.3 normal 67.5  
Av. min temp 43.3 normal 41.4  
Maximum temperature 102 Aug. Record 105 July, 1934  
Minimum temperature 16 Feb., Record -4 Jan., 1932  
Precipitation 6.47" normal 10.93" Wettest year 27.77" 1983  
Driest year 3.98" 1959  
2019-20 seasonal snowfall 22.0" normal 23.0"

Big Pine Flat, CA elev. 6,824 ft. Records for 19 years. North of Big Bear Lake.

Av. temp	52.2	normal	51.7		
Av. max temp	66.1	normal	66.4		
Av. min temp	38.3	normal	36.8		
Maximum temperature	94	September	Record	100	July, 2007
Minimum temperature	7	November	Record	-3	Jan., 2007
Precipitation	9.32"	normal	11.90"	Wettest year	21.25" 2005
				Driest year	6.64" 2013

Tuolumne Meadows, CA elev. 8,680 ft. Records for 30 to 51 years. In Yosemite National Park

Av. temp	39.4	normal	38.1	warmest year	39.9	2015
				coolest year	34.4	1998
Av. max temp	55.2	normal	53.4			
Av. min temp	23.6	normal	22.5			
Maximum temperature	82	September	Record	92	August, 1981	
Minimum temperature	-9	Feb/March	Record	-28	December, 1990	
Precipitation	14.77"	normal	27.84"	Wettest year	51.74"	2017
				Driest year	9.98"	2013
2019-2020 seasonal snowfall	182"	normal	299"	Snowiest season	599"	1982-3
				Least season	108"	2014-15

Lee Vining, CA elev., 6,780 ft. Records for 32 years. Located north of Bishop on Mono Lake west shore.

Av. temp	49.9	normal	48.8	warmest year	51.3	2014
				coolest year	46.7	2011
Av. max temp	64.0	normal	62.0			
Av. min temp	35.9	normal	35.5			
Maximum temperature	93	Aug/Sept.	Record	96	July, 2002 & July, 2007	
Minimum temperature	5	February	Record	-8	February, 1989	
Precipitation	8.44"	normal	14.21"	Wettest year	26.87"	1996
				Driest year	5.04"	2013
2019-2020 seasonal snowfall	64.2"	normal	68.2"	Snowiest	149.5"	2004-05
				Least snow	21.0"	1998-99
Maximum snow depth	12"	December	Record	38"	January, 2005	

Bodie, CA elev., 8,240 ft. Records for 67 years.

Maximum temp	88	Aug & Sept.	Record	93	July, 1905
Minimum temp	inc		Record	-28	Dec., 1965 and 1971
Precipitation	inc	normal	12.96"	Wettest	25.96" 1965
				Driest	4.46" 1903
2019-2020 seasonal snowfall	inc	normal	101.3"		

2020

Long Valley Ranger Station elev. 8,417 ft. Records for 55 years.

Top of the Palm Springs Tram

Av. temp 47.9 normal 45.4 warmest year 49.7 2017  
coolest year 41.4 1983

Av. max temp 60.6 normal 57.7

Av. min temp 35.2 normal 33.1

Maximum temperature 87 August/September Record 90 several dates

Minimum temperature -13 February Record -13 February, 2020

Precipitation 8.15" normal 22.03" Wettest year 55.47" 1983

Driest year 7.33" 2007

2019-20 seasonal snowfall 82" normal 84" Snowiest season 201" 1968-69

Least snow season 13" 2017-18

Sierra Nevada Aquatic Research Lab, CA elev. 7,100 ft. Records for 32 years

Located Southwest of Mammoth Airport.

Av. temp 45.8 normal 43.2 warmest year 46.8 2014  
coolest year 39.3 1993

Av. max temp 64.9 normal 61.5

Av. min temp 25.4 normal 24.4

Maximum temperature 92 August Record 97 July, 2002, July, 2007

Minimum temperature -4 February Record -34 Dec., 1990

Precipitation 4.23" normal 13.18" Wettest year 28.54" 1989

Driest year 3.09" 2013

Redding Airport, CA elev. 502 ft. Records for 133 years.

Precipitation 17.85" normal 37.10" Wettest year 78.05" 1989  
Driest year 12.80" 2013

Redding 8SW elev. 732 ft. Records for 23 years. Bob's oldest daughter.

Av. temp 65.5 normal 62.8 warmest year 66.4 2015  
coolest year 60.3 2000

Av. max temp 78.4 normal 75.9

Av. min temp 52.7 normal 49.7

Maximum temperature 111 June/August Record 115 several dates

Minimum temperature 30 January Record 16 Dec., 2009

Precipitation 16.04" normal 37.37" Wettest year 66.11" 1998

Driest year 11.45" 2013

Peak wind gust 37 mph October Record 54 mph Dec., 2002

Days with hail 2 normal 3

Days with thunder 7 normal 8

Incline Village, Nevada      elev. 6,525 ft.      Records for 36 years.      North shore  
Lake Tahoe

Av. temp	inc	normal	47.2	warmest year	49.3	1986
Av. max temp	inc	normal	58.1	coolest year	43.9	2019
Av. min temp	inc	normal	36.3			
Maximum temperature	87	September		Record	100	Aug., 1981, June, 1985
Minimum temperature	9	February		Record	-15	Dec., 1972
Precipitation	inc	normal	22.34"	Wettest year	51.48"	1983
				Driest year	12.21"	1976

Glacier Bay, Alaska      elev. 20 ft.      Records for 50 years      In Bartlett Cove at  
National Park Service

Av. temp	inc	normal	41.0	Warmest year	43.5	2005
				Coolest year	38.0	1972
Av. max temp	inc	normal	46.7			
Av. min temp	inc	normal	35.3			
Maximum temperature	75	Record	83	July, 2004		
Minimum temperature	3	Record	-11	Jan., 1971		
Precipitation	inc	normal	71.42"	Wettest year	87.76"	1988
				Driest year	52.23"	1982
2019-20 seasonal snowfall	108.4"	normal	118.8"	Snowiest	233.8"	2008-09
				Least snow	26.5"	2000-01

Silverton, Colorado      elev. 9,272 ft.      Records for 112 years.      North of Durango

Av. temp	inc	normal	35.4	Warmest year	38.1	1934
				Coolest year	31.4	1912
Av. max temp	inc	normal	52.4			
Av. min temp	inc	normal	18.5			
Maximum temperature	83	September		Record	89	June, 1910
Minimum temperature	-25	February		Record	-39	Feb., 1985
Days of 0 or below	89	normal	66	Record	103	1984
Precipitation	inc	normal	24.82"	Wettest year	44.78"	1911
				Driest year	14.81"	1930
2019-20 seasonal snowfall	160.8"	normal	156.7"	Snowiest	295.5"	1951-52
				Least snow	41.2"	1976-77

Kula Branch, Hawaii elev. 3,050 ft. Records for 41 years. West slope of Haleakala Mtn.

Av. temp	64.3	normal	63.9	warmest year	65.1	1986
				coolest year	63.0	1983
Av. max temp	72.6	normal	72.0			
Av. min temp	56.1	normal	55.7			
Maximum temp	82	August	Record	89	Aug., 1993	
Minimum temp	47	February	Record	36	June, 2019	
Precipitation	24.43"	normal	24.57"	Wettest year	50.88"	1982
				Driest year	10.12"	1998
Days with measurable precip	97	normal	84 days			

Mauna Loa Observatory, Hawaii elev. 11,150 ft. Records for 63 years. On big Island

Av. temp	46.4	normal	45.4			
Av. max temp	55.9	normal	54.2			
Av. min temp	37.0	normal	45.4			
Maximum temp	68	May/July	Record	73	June, 2000	
Minimum temp	22	February	Record	18	February, 1962	
Precipitation	15.37"	normal	18.26"	Wettest year	48.86"	1982
				Driest year	2.93"	1998

Mauna Kea, Hawaii elev. 13,790 ft. Records for 20 years. Highest spot in Hawaii

Av. temp inc		normal	37.6			
Av. max temp	inc	normal	43.1			
Av. min temp	inc	normal	32.2			
Maximum temp	55	July	Record	66	July, 2013	
Minimum temp	9	February	Is the record.			
Peak wind gust	110 mph	Feb.	Record	140 mph	March, 2014	

Kona Village elev. 20 ft. Records for 50 years. Near Kona, big island

Precipitation	12.31"	normal	10.47"	Wettest year	26.88"	1982
				Driest year	1.37"	1998

Waikoloa Beach Resort, Hawaii elev. 50 ft. Records for 31 years. NW coast big island

Precipitation	inc	normal	8.77"	wettest year	26.96"	2004
				driest year	2.08"	1998

2020

Puukohola Heiau, Hawaii elev. 100 ft. Records for 43 years. NW coast big island  
Precipitation inc normal 9.93" wettest year 21.67" 1989  
driest year 2.88" 2012

Lahaina Airport, Hawaii elev. 240 ft. Records for 34 years. West side Maui  
Precipitation 20.11" normal 28.98" wettest year 48.43" 2004  
driest year 18.92" 2000

Puu Kukui, Hawaii elev. 5,771 ft. Records for 36 years. East of Lahaina  
Precipitation 234.05" normal 313.55" wettest year 446.45" 1998  
driest year 100.68" 1993

Mt. Waialeale, Hawaii elev. 5,148 ft. Records for 50 years. High point Kauai  
Precipitation 394.38" normal 378.32" Wettest year 742.41" 2004  
driest year 267.35" 2014

Kyle Canyon, Nevada elev. 7,200 ft. Records for 23 years. Mtns NW of Las Vegas  
Av. temp 54.3 normal 52.3 warmest year 54.7 2003  
coolest year 50.3 2019  
Av. max temp 64.2 normal 62.6  
Av. min temp 44.5 normal 41.9  
Precipitation 6.59" normal 14.41" wettest year 25.48" 2005  
driest year 5.58" 2002  
Maximum temp 92 July/August Record 97 July, 1998  
Minimum temp 12 February Record -2 January, 2007  
Peak wind gust 64 mph June Record 83 mph December, 1998

Mt. Charleston, Nevada elev. 7,429 ft. Records for 43 years. Mtns NW of Las Vegas  
Av. temp 48.8 normal 46.4 warmest year 49.7 2014  
coolest year 41.9 1995  
Av. max temp 62.4 normal 60.7  
Av. min temp 35.3 normal 32.4  
Maximum temp 89 August Record 98 July, 1988  
Minimum temp 7 February Record -18 December, 1990  
Precipitation 12.60" normal 24.29" wettest year 40.96" 2010  
driest year 11.87" 1980  
2019-20 seasons snowfall 90.6" normal 94.8"

2020

### Catalina Island

Avalon Pier	elev. 25 ft.	Records for 109 years.			
Precipitation	5.63"	normal 11.99"	Wettest year	34.54"	1983
			Driest year	2.67"	1947
Middle Ranch	elev. 665 ft.	Records for 68 years.			
Precipitation	7.39"	normal 12.43"	Wettest year	35.06"	1995
			Driest year	4.15"	1952
Airport	elev. 1,602 ft.	Records for 70 years.			
Precipitation	7.25"	normal 13.96"	Wettest year	32.32"	1983
			Driest year	4.39"	1953
Two Harbors	elev. 10 ft.	Records for 61 years. Located near west end.			
Precipitation	5.96"	normal 9.61"	Wettest year	23.25"	1983
			Driest year	3.13"	1972

### Owens Valley

#### Los Angeles Dept. Water & Power gages

Bishop Yard	elev. 4,147 ft.	Records for 91 years			
Precipitation	1.62"	normal 6.02"	Wettest year	20.97"	1969
			Driest year	0.72"	1947
Maximum temperature	111	July			
Minimum temperature	12	Feb.			
Big Pine	elev. 4,000 ft.	Records for 48 years.			
Precipitation	1.42"	normal 6.56"	Wettest year	13.56"	2017
			Driest year	1.63"	1990
Maximum temperature	108	July/Aug.	Record 114	2002	
Minimum Temperature	22	Dec.	Record 3	2002	
Tinemaha Reservoir	elev. 3,880 ft.	Records for 87 years. Located 7 miles south Big Pine.			
Precipitation	1.53"	normal 6.40"	Wettest year	20.74"	1969
			Driest year	0.89"	1947
Maximum temperature	112	Aug.	Is the record.		
Minimum temperature	15	Dec.	Record 4	2007	

2020

Owens Valley

Aqueduct Intake elev. 3,825 ft. Records for 95 years. Located 6 miles south  
Tinemaha.

Precipitation	2.36"	normal	5.41"	Wettest year	16.10"	1969
				Driest year	0.83"	1947

Independence elev. 3,953 ft. Records for 112 years. Located west side of town.

Precipitation	3.55"	normal	6.22"	Wettest year	21.39"	1867
				Driest year	0.83"	1929

Maximum temperature	114	Aug.	Record	114	1967
Minimum temperature	21	Feb./Dec.	Record	21	1937

Lone Pine elev. 3,722 ft. Records for 81 years.

Precipitation	6.33"	normal	3.93"	Wettest year	9.02"	1969
				Driest year	0.77"	1948

Maximum temperature	110	Aug. Record	111	2002/2013
Minimum temperature	18	Dec. Record	4	2007

Alabama Gates elev. 3,801 ft. Records for 90 years. Located 5 miles south  
Lone Pine.

Precipitation	2.91"	normal	3.92"	Wettest year	9.03"	1969
				Driest year	0.77"	1947

Maximum temperature	113	Aug.	Record	115	2008
Minimum temperature	22	Feb.	Record	3	2006

Cottonwood Power House elev. 3,800 ft. Records for 86 years. Located 13 miles  
south Lone Pine.

Precipitation	3.82"	normal	6.45"	Wettest year	17.43"	1969
				Driest year	1.15"	1948

Maximum temperature	114	Aug.,	Record	119	2008
Minimum temperature	18	Dec.,	Record	10	1998

South Haiwee Dam elev. 3,800 ft. Records for 98 years. Located 10 miles south  
Olancho.

Precipitation	5.13"	normal	6.46"	Wettest year	17.27"	1983
				Driest year	1.50"	1948

Maximum temperature	110	July	Record	119	2013
Minimum temperature	24	Feb/ Dec.	Record	1	2006