

Storm Data and Unusual Weather Phenomena - May 2022

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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CALIFORNIA, South Central

(CA-Z300) WEST SIDE MOUNTAINS NORTH OF HIGHWAY 198, (CA-Z301) LOS BANOS-DOS PALOS, (CA-Z302) MERCED-MADERA-MENDOTA, (CA-Z303) PLANADA-LEGRAND-SNELLING, (CA-Z304) COALINGA - AVENAL, (CA-Z305) WEST SIDE OF FRESNO AND KINGS COUNTIES, (CA-Z306) CARUTHERS - SAN JOAQUIN - SELMA, (CA-Z307) FRESNO - CLOVIS, (CA-Z308) WEST SIDE MOUNTAINS SOUTH OF HIGHWAY 198, (CA-Z309) BUTTONWILLOW- LOST HILLS - I5, (CA-Z310) DELANO - WASCO - SHAFTER, (CA-Z311) HANFORD - CORCORAN - LEMOORE, (CA-Z312) VISALIA - PORTERVILLE - REEDLEY, (CA-Z313) BUENA VISTA, (CA-Z314) BAKERSFIELD, (CA-Z315) SOUTHEAST SAN JOAQUIN VALLEY, (CA-Z316) SOUTH END SAN JOAQUIN VALLEY, (CA-Z317) MARIPOSA - MADERA FOOTHILLS, (CA-Z318) MARIPOSA - MADERA LOWER SIERRA, (CA-Z319) FRESNO - TULARE FOOTHILLS, (CA-Z320) FRESNO - TULARE LOWER SIERRA, (CA-Z321) SOUTH END SIERRA FOOTHILLS, (CA-Z322) SOUTH END OF THE LOWER SIERRA, (CA-Z323) YOSEMITE NP OUTSIDE OF THE VALLEY, (CA-Z324) YOSEMITE VALLEY, (CA-Z325) SAN JOAQUIN RIVER CANYON, (CA-Z326) UPPER SAN JOAQUIN RIVER, (CA-Z327) KAISER TO RODGERS RIDGE, (CA-Z328) KINGS CANYON NP, (CA-Z329) GRANT GROVE AREA, (CA-Z330) SEQUOIA NP, (CA-Z331) SOUTH END OF THE UPPER SIERRA, (CA-Z332) KERN RIVER VALLEY, (CA-Z333) PIUTE - WALKER PASS (BASIN?), (CA-Z334) TEHACHAPI, (CA-Z335) GRAPEVINE, (CA-Z336) FRAZIER MOUNTAIN COMMUNITIES, (CA-Z337) INDIAN WELLS VALLEY, (CA-Z338) MOJAVE DESERT SLOPE(S), (CA-Z339) MOJAVE DESERT				
	05/01/22 00:00 PST		0	Drought
	05/31/22 23:59 PST		0	

May 2022 will go on record as an exceptionally dry month across central California. By the end of the month, nearly all of our area was in an extreme or exceptional drought as most of our area has received less than a third of normal precipitation since July 1, 2020.

(CA-Z331) SOUTH END OF THE UPPER SIERRA, (CA-Z334) TEHACHAPI, (CA-Z338) MOJAVE DESERT SLOPE(S)				
	05/02/22 18:26 PST		0	High Wind (MAX 70 kt)
	05/03/22 02:14 PST		0	

A low pressure system dropping through the Great Basin resulted in a strong pressure gradient during the evening of May 2 through the early morning of May 3. This resulted in a period of gusty winds across the mountains and deserts of Kern County. Several stations in these areas measured gusts exceeding 45 mph and a few low impact indicator sites reported gusts exceeding 60 mph.

(CA-Z331) SOUTH END OF THE UPPER SIERRA, (CA-Z332) KERN RIVER VALLEY, (CA-Z334) TEHACHAPI, (CA-Z338) MOJAVE DESERT SLOPE(S)				
	05/07/22 23:29 PST		0	High Wind (MAX 78 kt)
	05/08/22 18:32 PST		0	

A strong upper trough pushed into California during the evening of May 7 through the afternoon of May 8 producing a very strong onshore pressure gradient. This resulted in a period of windy conditions across the mountains and deserts of Kern County with several stations measuring gusts exceeding 60 mph and a few low impact indicator sites reporting gusts above 75 mph.

(CA-Z322) SOUTH END OF THE LOWER SIERRA				
	05/10/22 22:27 PST		0	High Wind (MAX 57 kt)
	05/10/22 22:27 PST		0	

A slow moving upper trough moved across the region between May 8 and May 11. This system resulted in a period of unseasonably cool temperatures across the area along with some light showers mainly over the Sierra Nevada on May 9 and 10. This system also produced a strong onshore pressure gradient which resulted in a period of breezy to windy conditions across the mountains and deserts of Kern County between the morning of May 10 and the evening of May 11. Several stations measured gusts exceeding 45 mph during this time frame. The trough finally moved east of the area by the morning of May 12 allowing for the winds to subside.

(CA-Z331) SOUTH END OF THE UPPER SIERRA, (CA-Z334) TEHACHAPI, (CA-Z337) INDIAN WELLS VALLEY, (CA-Z338) MOJAVE DESERT SLOPE(S)				
	05/19/22 15:40 PST		0	High Wind (MAX 75 kt)
	05/20/22 08:14 PST		0	

A strong upper trough moved southward through the Great Basin between the afternoon of May 19 and the morning of May 20. This resulted in increased onshore pressure gradients which produced strong winds over the mountains and deserts of Kern County. Several stations in these areas measured gusts exceeding 45 mph and a few low impact indicator sites reported gusts exceeding 60 mph. The winds diminished during the afternoon and evening of May 20 as gradients relaxed.

(CA-Z334) TEHACHAPI				
	05/22/22 21:14 PST		0	High Wind (MAX 58 kt)
	05/22/22 21:14 PST		0	

A strong upper ridge pushed inland while a trough lingered over the Great basin before lifting out between the afternoon of May 22 and the morning of May 23. The interaction between these features produced a strong pressure gradient which produced a period of gusty winds over portions of the mountains and deserts of Kern County. Most noticeably along the Mojave Desert Slopes where several

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stations measured gusts exceeding 45 mph.

(CA-Z301) LOS BANOS-DOS PALOS, (CA-Z302) MERCED-MADERA-MENDOTA, (CA-Z303) PLANADA-LEGRAND-SNELLING, (CA-Z304) COALINGA - AVENAL, (CA-Z305) WEST SIDE OF FRESNO AND KINGS COUNTIES, (CA-Z306) CARUTHERS - SAN JOAQUIN - SELMA, (CA-Z307) FRESNO - CLOVIS, (CA-Z309) BUTTONWILLOW- LOST HILLS - I5, (CA-Z310) DELANO - WASCO - SHAFTER, (CA-Z311) HANFORD - CORCORAN - LEMOORE, (CA-Z312) VISALIA - PORTERVILLE - REEDLEY, (CA-Z313) BUENA VISTA, (CA-Z314) BAKERSFIELD, (CA-Z315) SOUTHEAST SAN JOAQUIN VALLEY, (CA-Z316) SOUTH END SAN JOAQUIN VALLEY, (CA-Z317) MARIPOSA - MADERA FOOTHILLS, (CA-Z319) FRESNO - TULARE FOOTHILLS, (CA-Z321) SOUTH END SIERRA FOOTHILLS

05/25/22 10:00 PST	0	Heat
05/25/22 19:00 PST	0	

A strong upper ridge built into California on May 24 and 25 resulting in a period of summer like temperatures for three days between May 24 and May 26. May 25 with the warmest day of the three with with most locations in the San Joaquin Valley and lower Sierra foothills having maximum temperatures between 100 and 104 degrees prompting the issuance of the first Heat Advisory of the season.

(CA-Z331) SOUTH END OF THE UPPER SIERRA, (CA-Z332) KERN RIVER VALLEY, (CA-Z334) TEHACHAPI, (CA-Z337) INDIAN WELLS VALLEY, (CA-Z338) MOJAVE DESERT SLOPE(S)

05/28/22 14:16 PST	0	High Wind (MAX 65 kt)
05/29/22 16:14 PST	0	

A strong onshore pressure gradient as a result of interaction between a strong upper trough in the Great basin and an offshore ridge produced a period a gusty wind across much of the mountains and deserts of Kern County between the morning of May 28 and the evening of May 29. Several stations measured gusts exceeding 50 mph and a few low impact indicator sites reported gusts above 70 mph.