

POST TROPICAL CYCLONE REPORT

Storm Name	Hilary
NWS Office	San Diego, CA
Begin/End Date	08/20/2023 - 08/21/2023
Fatalities	1* - Direct (*ongoing search for missing person) 0 - Indirect
Tornadoes	0

Event Summary

Tropical Storm Hilary made landfall across northern Baja California on August 20, and moved through Southern California that afternoon and evening. Torrential rainfall occurred across mountain and desert communities, resulting in catastrophic flash flooding and debris flows, damaged railways and bridges, and the closing of major interstates including I-8 in San Diego County and I-10 in Riverside County. Widespread tropical-storm force winds were recorded across much of Southern California.

NOTE: It is unlikely that the point-based observations provided in this report sampled the peak values for the event.

Highest 10 Land Winds (kts)*

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Sustained</i>	<i>Gust</i>
Big Black Mountain	CA	HPWREN	63	73
SCE Silverwood West	CA	SCE	55	69
SCE Pilot Rock Truck Trail	CA	SCE	51	65
Silverwood Lake (SCE1424)	CA	MESOWEST	51	65
Hauser Mountain	CA	SDGE	50	68
Palomar Mtn Lookout	CA	CWOP	47	69
Birch Hill	CA	HPWREN	45	52
Mt. Laguna Observatory	CA	HPWREN	44	54
Pigsah Peak (SCE085)	CA	MESOWEST	42	69
SCE Cajon Lookout Rd	CA	SCE	42	57

* Anemometer heights < 20 m

Highest 10 Marine Winds (kts)*

<i>Station</i>	<i>Type</i>	<i>Sustained</i>	<i>Gust</i>
Imperial Beach Pier	WeatherFlow	36	40
La Jolla	NOS	36	44
Zuniga Jetty	WeatherFlow	35	39
Dana Point Light 3	WeatherFlow	35	38
Oceanside Jetty	WeatherFlow	34	38
Anaheim Bay West Jetty L5	WeatherFlow	34	44
Belmont Shore	WeatherFlow	34	38
Newport Beach Pier	WeatherFlow	33	37
Tourmaline	WeatherFlow	31	38
Mission Bay North Jetty Light 1	WeatherFlow	31	40

* Anemometer heights < 20 m

Highest 10 Rainfall Totals

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Inches</i>
Upper Mission Creek	CA	ALERT	13.07
Mt San Jacinto	CA	RAWS	11.75
Crestline 1.4 ESE	CA	COCORAHS	10.34
Lytle Creek RAWS	CA	RAWS	9.71
Heaps Peak	CA	RAWS	8.68
Twin Peaks	CA	CWOP	8.44
Sky Valley 2	CA	CWOP	8.24
Running Springs	CA	CWOP	8.23
Pilot Rock Fire Center	CA	RAWS	7.81
Running Springs 1	CA	CWOP	7.03

Highest NOAA Tide Gage Observations

<i>Station</i>	<i>State</i>	<i>Datum</i>	<i>Water Level (ft)</i>
NA	NA	NA	NA

Lowest 10 Pressures

<i>Station</i>	<i>State</i>	<i>Type</i>	<i>Millibars</i>
San Clemente	CA	WeatherFlow	991.7
Camp Pendleton	CA	WeatherFlow	992.3
Moonlight Beach	CA	WeatherFlow	994.4
Dana Point Light 3	CA	WeatherFlow	994.5
Newport Beach Pier	CA	WeatherFlow	994.8
Belmont Shore	CA	WeatherFlow	994.9
Tourmaline	CA	WeatherFlow	995.0
Sunset Beach	CA	WeatherFlow	995.2
Mission Bay North Jetty Light 1	CA	WeatherFlow	995.3
Mission Bay	CA	WeatherFlow	995.3

Report Last Updated on 09/04/2023:

The following files have been updated: Rainfall.