



National Weather Service

Storm Data and Unusual Weather Phenomena



April 1998

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
----------	------	----------------------------	---------------------------	--------------------------	--------------------------------	---------------------------------	---------------------------------	------------------------------	--------------------

HAWAII

HIZ002>005

Kauai Windward - Kauai Leeward - Kauai Mountains - Oahu South Shore

01	0000HST								
30	2359HST			0	0				Drought

The drought in Hawaii continued through April, but conditions improved in some locales.

Below average precipitation occurred across much of the state in April. All four first order, and 58 of 69 automated, rain gauges received less than average rainfall for the month. However, windward sides of all the isles and some of the central parts of the islands saw significant increases in April. Overall, though, the trend of drier than usual conditions moved into its seventh month

During much of April, the jet stream remained strong to the north of the islands. On the other hand, the surface high pressure ridge shifted to the northeast of the island chain to a more seasonal position. This allowed a trade wind pattern to reestablish itself over the islands. The depth of the marine layer remained suppressed to some extent, but it was deep enough to allow trade showers to develop in windward areas of all the isles.

The April rains provided some relief to several communities, but more rainfall is needed. Most leeward locations have received only very small amounts of precipitation. For example, for the second month in a row, Kihei in leeward East Maui received no rainfall. Also, Pahala in the southeast part of the Big Island, Waianae in extreme west central Oahu, and Kaunakakai in the south central coastal area of Molokai received only 0.43 of an inch (9 percent of average), 0.23 of an inch (14 percent of average), and 0.19 of an inch (16 percent of average) for April, respectively.

The following are rainfall statistics and comparative data for selected locations around the state. The island and station name are listed with the April 1998 rainfall total. For comparison, the average rainfall for the month and percent of average are found in the following two columns. Longer term statistics are listed, with the February through April three month accumulations in column four and the three month averages and percent of average in columns five and six, respectively.

	Apr. 98	Avg.	% Avg.	3 Month	Avg./3 months	% Avg./3 months
Oahu						
Honolulu	0.54	1.50	36	0.78	5.9	1 3
Waianae	0.23	1.60	14	0.38	6.4	6
Hawaii Kai	0.45	2.20	20	1.49	9.3	16
Manoa						
Lyon A	12.06	13.0	93	20.46	37.6	5 4
Waialua	1.08	2.8	39	1.96	10.5	19
Ahuimanu (windward)	3.12	9.9	39	7.78	23.5	33
Maui						
Kahului	0.97	1.8	54	1.64	7.4	22
Hana	2.33	9.0	26	3.96	25.3	16
Kihei	0.00	1.2	0	0.09	5.5	2
Lahainaluna	0.71	1.7	42	1.16	6.8	17
Wailuku	1.44	3.0	48	5.24	13.6	3 9
Island of Hawaii						
Hilo	8.86	15.3	80	18.34	39.5	4 6
Pahala	0.43	5.0	9	0.82	17.4	5
Honaunau						
(Captain Cook)	2.12	6.1	35	4.02	14.4	28
Kamuela	14.26	6.9	207	20.10	20.8	97
Kamuela						
(Higher Elev.)	16.59	6.9	240	24.90	18.7	133
Laupahoehoe	14.62	18.9	77	23.72	51.6	46
Molokai						
Kaunakakai	0.19	1.2	16	1.01	5.6	18



National Weather Service

Storm Data and Unusual Weather Phenomena



April 1998

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
----------	------	----------------------------	---------------------------	--------------------------	--------------------------------	---------------------------------	---------------------------------	------------------------------	--------------------

HAWAII

HIZ004	Kauai Mountains				0	0			High Wind (50)
	03	1000HST 2000HST							

Down-sloping northeast winds occurred in the South Kohala District of the Big Island

HIZ003>004	Kauai Leeward - Kauai Mountains				0	0			High Wind (52)
	03	1800HST							
	04	0600HST							

West to northwest winds of 40 to 60 mph occurred near the summits of Haleakala, Mauna Kea and Mauna Loa

HIZ002>004	Kauai Windward - Kauai Leeward - Kauai Mountains				0	0	50K		High Wind (52)
	09	1500HST							
	11	0200HST							

Strong winds buffeted the Hawaiian Islands in the early part of the Easter weekend, especially the islands of Hawaii, Oahu and Maui. Down-sloping northeast winds gusted to 60 mph in the South Kohala District of the Big Island, to 55 mph in the Waianae area of leeward Oahu, and to 50 mph in West Maui in the vicinity of Lahaina

The winds ripped unripe fruit from trees in the isles. One mango grower in Maui estimated that over 50 percent of his crop was damaged and put the loss at \$50 thousand. The gusty winds also knocked down nine utility poles and an overhead traffic light on Honoapiilani Highway in Lahaina and caused spotty power outages on Oahu as well.

Hawaii County	Pahala				0	0			Funnel Cloud
	09	1600HST							

A funnel cloud briefly appeared over the Kau District on the Big Island

HIZ003	Kauai Leeward				0	0			High Wind (52)
	13	1000HST 1900HST							

West to northwest winds of 40 to 60 mph affected the upper slopes and summit of Haleakala.