National Weather Service
Storm Data and Unusual Weather Phenomena

November 1999

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

HIZ007>008 **Oahu North Shore - Oahu Koolau**

01 0000HST **0** **0** **Drought**
30 2359HST

Even though a Kona storm occurred early in November, much of the southern and western sections of the Big Island remained very dry. The storm itself destabilized the air mass over the western part of the state and caused heavy showers over Kauai on 3 and 4 November. Large-scale conditions stabilized somewhat after the Kona storm event, with the islands seeing mainly moderate to fresh trade winds for the remainder of the month.

Island of Hawaii

Though 14 of 19 sites on the Big Island received above 50 percent of average monthly November rainfall, the Kau District and parts of leeward Kohala missed out on the rainfall. The gages at Kapapala and Pahala in Kau and that of Kamakoa in leeward Kohala reported totals of less than 15 percent of average.

The following list contains rainfall statistics for selected locations from the island of Hawaii. The first column is the observed rainfall for November. The second column is the 30-year average for that location, while the third column lists the percent of average rainfall for the month. The fourth and fifth columns are the year-to-date total and the percent of average, respectively.

	Nov 99	Avg.	%Avg.	YTD	YT D %Avg.
Island of Hawaii					
Hilo Airport	7.74	14.50	53	99.17	85
Pahala	0.72	5.50	13	18.18	37
Honaunau	5.03	3.60	140	31.06	50
Kamuela (Upper)	7.78	5.30	103	55.91	108
Glenwood	13.06	17.80	73	170.69	115
Laupahoehoe	12.17	13.60	89	91.54	68
Kamakoa	0.13	1.50	9	3.20	21
Kapapala	0.42	8.10	5	22.97	3 9

Kauai County

Hanalei **04 1445HST** **0** **0** **Flash Flood**
1700HST

Heavy showers caused by a Kona storm brought flooding to an area just west of the town of Hanalei and south of Hanalei Bay. A gage near the area reported rainfall as great as 1.15 inches in a 15 minute period. However, the Hanalei Brodge remained open and the flooding caused only minor inconvenience for a short time. No injuries or significant damage were reported

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HIZ001>006 **Niihau - Kauai Windward - Kauai Leeward - Kauai Mountains - Oahu South Shore - Waianae Coast**

16 1500HST 0 0 High Surf
17 0500HST

A storm low far to the northwest of the state generated surf of 8 to 12 feet along the north shores of all the Hawaiian Islands.

HIZ001>006 **Niihau - Kauai Windward - Kauai Leeward - Kauai Mountains - Oahu South Shore - Waianae Coast**

19 0500HST 0 0 High Surf
1700HST

A storm low well northwest of the state produced surf of 6 to 12 feet along the north shores of all the Hawaiian Islands.

HIZ001>008 **Niihau - Kauai Windward - Kauai Leeward - Kauai Mountains - Oahu South Shore - Waianae Coast - Oahu North Shore - Oahu Koolau**

28 0700HST 0 0 High Wind (50)
29 1800HST

A strong high pressure cell to the north of the islands generated trade winds of 30 to 45 mph, with higher gusts, across the state. The Hawaii Public Radio transmitter atop Haleakala was knocked out for several hours by a wind-felled tree on 28 November. On 29 November, the winds knocked power out to about 800 Maui Electric Company customers for up to two hours. No significant problems occurred on the other islands.