



CENTRAL PACIFIC HURRICANE CENTER TROPICAL CYCLONE REPORT

TROPICAL CYCLONES 1980

Central Pacific Hurricane Center

APRIL 5-8, 1980 (TROPICAL STORM CARMEN)

Tropical Storm CARMEN began as an active cluster of convective activity centered near 04N 178W on April 3, 1980. The Central Pacific Hurricane Center (CPHC) and its supporting National Earth Satellite Service (NESS) unit classified the developing activity as a tropical low with winds ranging between 25 and 30 knots. This low was carried in the high seas forecasts issued by the WSFO Honolulu on the 3rd and 4th while it was moving due north and later northwest at about 12 knots and intensifying. The CPHC, in concert with the Joint Typhoon Warning Center (JTWC), deemed it appropriate that the JTWC begin issuing tropical cyclone bulletins at 050000Z when the center was located just west of the Dateline near 9.5N 179.5E. This was the beginning of Tropical Depression 02 (TD2).

TD2 intensified rapidly to Tropical Storm CARMEN by 051200Z and reached its maximum intensity of 60 knots of sustained winds at 061200Z. JTWC issued Bulletins 1 through 10 while CARMEN moved northwest, north and later northeast just to the west of the Dateline. JTWC relinquished responsibility to the CPHC which issued its first bulletin at 070600Z and continued with six more as CARMEN had now moved back into the Central Pacific crossing the Dateline near 20N.

At this point, CARMEN came to an abrupt halt for nearly 24 hours in which time it weakened and ultimately dissipated. The last bulletin was issued at 081800Z. CARMEN was a rare April tropical cyclone that did not affect any islands. There were no reports of damages or casualties to ships.

1980: Tropical Storm Carmen

Date/Time (UTC)	Latitude (N)	Longitude (W)	Pressure (mb)	Wind Speed (kt)	Stage/Notes
04/07/1200	19.8	179.8		45	Tropical Storm
04/07/1800	20.1	179.5		35	"
04/08/0000	20.2	179.3		30	Tropical Depression
04/08/0600	20.6	178.8		30	"
04/08/1200	20.9	178.3		30	"
04/08/1800	21.5	177.5		25	"

SEPTEMBER 24-30, 1980 (HURRICANE KAY)

Hurricane KAY began as Tropical Depression 12E near 13N 103W on September 15, 1980. The first advisory on TD12E was issued by the Eastern Pacific Hurricane Center (EPHC, now part of the National Hurricane Center) at 160600Z. TD12E intensified rapidly into Tropical Storm KAY and subsequently became Hurricane KAY.

KAY crossed into the CPHC area of responsibility (140W) between 241200Z and 241800Z with maximum sustained winds of 80 knots. KAY continued to move on a northwesterly track after crossing 140W for the next 48 hours at which time it became nearly stationary. At this time the eye of KAY was obscured. Therefore, the movement for the next 24 hours was uncertain. It appeared that KAY was completing a small loop before to continuing its westward movement. The steering toward the west was influenced by the rapid movement eastward of high latitude troughs, which caused the direction of movement to vary between southwest and northwest. Kay was downgraded to a Tropical Storm at 271200Z and to a Tropical Depression at 290600Z. The storm dissipated under the influence of a deep upper level trough as it moved toward the Hawaiian Islands. As a Tropical Depression, KAY passed within 200 miles to the northeast of Honolulu moving on a northwesterly track while dissipating.

The CPHC issued 24 advisories on the storm with the final advisory issued at 300600Z. There were no reports of damages or casualties to ships.

1980: Hurricane Kay

Date/Time (UTC)	Latitude (N)	Longitude (W)	Pressure (mb)	Wind Speed (kt)	Stage/Notes
09/24/1800	20.5	140.2		75	Hurricane Cat. 1
09/25/0000	21.2	141.2		75	"

09/25/0600	21.7	141.8		75	"
09/25/1200	22.1	142.2		70	"
09/25/1800	22.5	142.5		70	"
09/26/0000	22.9	142.8		70	"
09/26/0600	23.1	143.2		65	"
09/26/1200	23.3	143.3		65	"
09/26/1800	23.3	143.3		65	"
09/27/0000	23.3	143.3		65	"
09/27/0600	23.3	143.3		65	"
09/27/1200	23.4	144.0		55	Tropical Storm
09/27/1800	23.1	144.7		50	"
09/28/0000	22.7	145.9		45	"
09/28/0600	22.5	146.9		40	"
09/28/1200	22.5	148.0		40	"
09/28/1800	23.1	149.3		35	"
09/29/0000	23.5	150.5		35	"
09/29/0600	23.5	151.5		30	Tropical Depression
09/29/1200	23.5	152.6		30	"
09/29/1800	23.8	154.4		30	"
09/30/0000	24.1	155.5		30	"
09/30/0600	24.8	156.9		30	"
09/30/1200	26.3	157.8		25	"