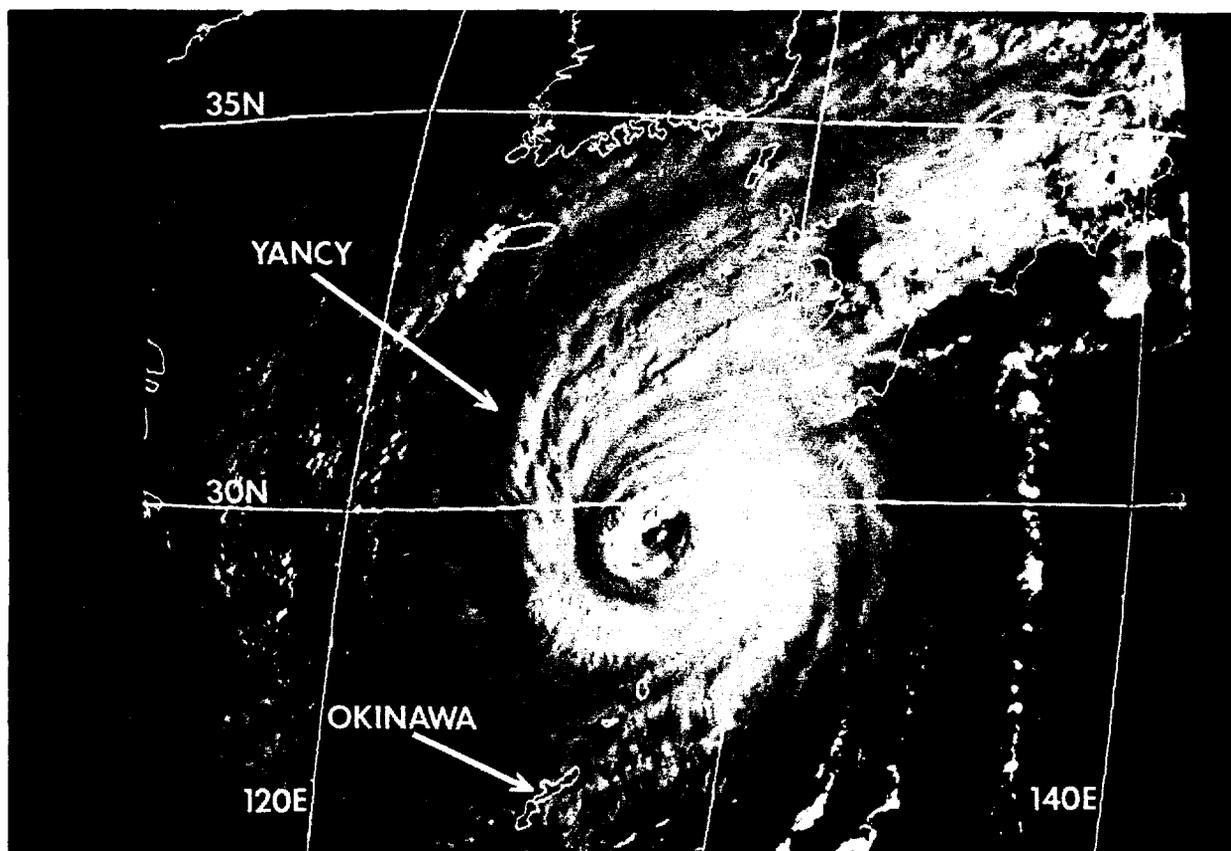


## SUPER TYPHOON YANCY (19W)



**Figure 3-19-1** Visual image of Super Typhoon Yancy with a large, elongated eye, approximately seven hours prior to land-fall in southern Kyushu. At this time, Yancy's maximum sustained winds were estimated to be 120 kt (62 m/sec) (022330Z September visual GMS imagery.)

### I. HIGHLIGHTS

Striking southern Kyushu with sustained winds of 115 kt (60 m/sec), Yancy was one of the most powerful typhoons to hit Japan in decades (Figure 3-19-1). Forming in the Philippine Sea, Yancy tracked westward toward Taiwan, until it reached typhoon intensity. The tropical cyclone then turned to the northeast and rapidly intensified into a super typhoon, passing within 60 nm (110 km) of Okinawa. Yancy was the second of three super typhoons of the 1993 tropical cyclone season.

### II. CHRONOLOGY OF EVENTS

August

280600Z - An area of persistent convection generated by convergent southwesterly monsoonal flow resulted in the first discussion of the disturbance in the Significant Tropical Weather Advisory.

290100Z - A Tropical Cyclone Formation Alert was issued on the disturbance when convection consolidated near the circulation center.

290600Z - The first warning was issued based on a satellite intensity estimate of 25 kt (13 m/sec).

300600Z - Based on a ship report of 40 kt (21 m/sec) 60 nm (110 km) east of the system center, Yancy was upgraded to tropical storm intensity.

311800Z - Following the development of a well developed banding eye feature and a satellite intensity estimate of 65 kt (33 m/sec), Yancy was upgraded to typhoon intensity.

## September

020600Z - After a period of rapid intensification and a subsequent satellite intensity estimate of 127 kt (65 m/sec), Yancy was upgraded to super typhoon intensity.

041200Z - The final warning was issued as Yancy dissipated in the Sea of Japan.

### III. IMPACT

Making landfall over southern Kyushu at approximately 030700Z, Yancy packed estimated maximum sustained winds of 115 kt (59 m/sec). Weather observations from Kanoya, Japan (WMO 47850), along coastal southern Kyushu, reported maximum gusts of 129 kt (66 m/sec). A total of 42 deaths (27 in Kagoshima Prefecture near the point of landfall), 155 injuries, and 5 missing people were attributed to Yancy as it traversed over Japan. More than 124 homes were destroyed, 4620 homes and businesses damaged, and 400,000 homes were without electricity. In addition, there was extensive agricultural damage and a widespread disruption of rail and airline travel in Southeastern Honshu.

Maximum winds at Kadena AB, Okinawa were reported at 48 kt with gusts to 77 kt (25G40 m/sec). Sasebo and Iwakuni reported weaker maximum sustained winds of 28 kt gusting to 56 kt (14G29 m/sec) and 30 kt gusting to 45 (15G23 m/sec), respectively.