

E 100 105 110 115 120 125 130 135 140 145 150 155 160 E

N 35

TROPICAL STORM GAY
BEST TRACK TC-13W
02 SEP-04 SEP 88
MAX SFC WIND 45KT
MINIMUM SLP 991MBS

LEGEND

- 6-HOUR BEST TRACK POSIT
- A SPEED OF MOVEMENT
- B INTENSITY
- C POSITION AT XX/0000Z
- oooooo TROPICAL DISTURBANCE
- TROPICAL DEPRESSION
- TROPICAL STORM
- TYPHOON
- ◆ SUPER TYPHOON START
- ◇ SUPER TYPHOON END
- ✦ EXTRATROPICAL
- ✧ SUBTROPICAL
- *** DISSIPATING STAGE
- F FIRST WARNING ISSUED
- L LAST WARNING ISSUED

30

25

20

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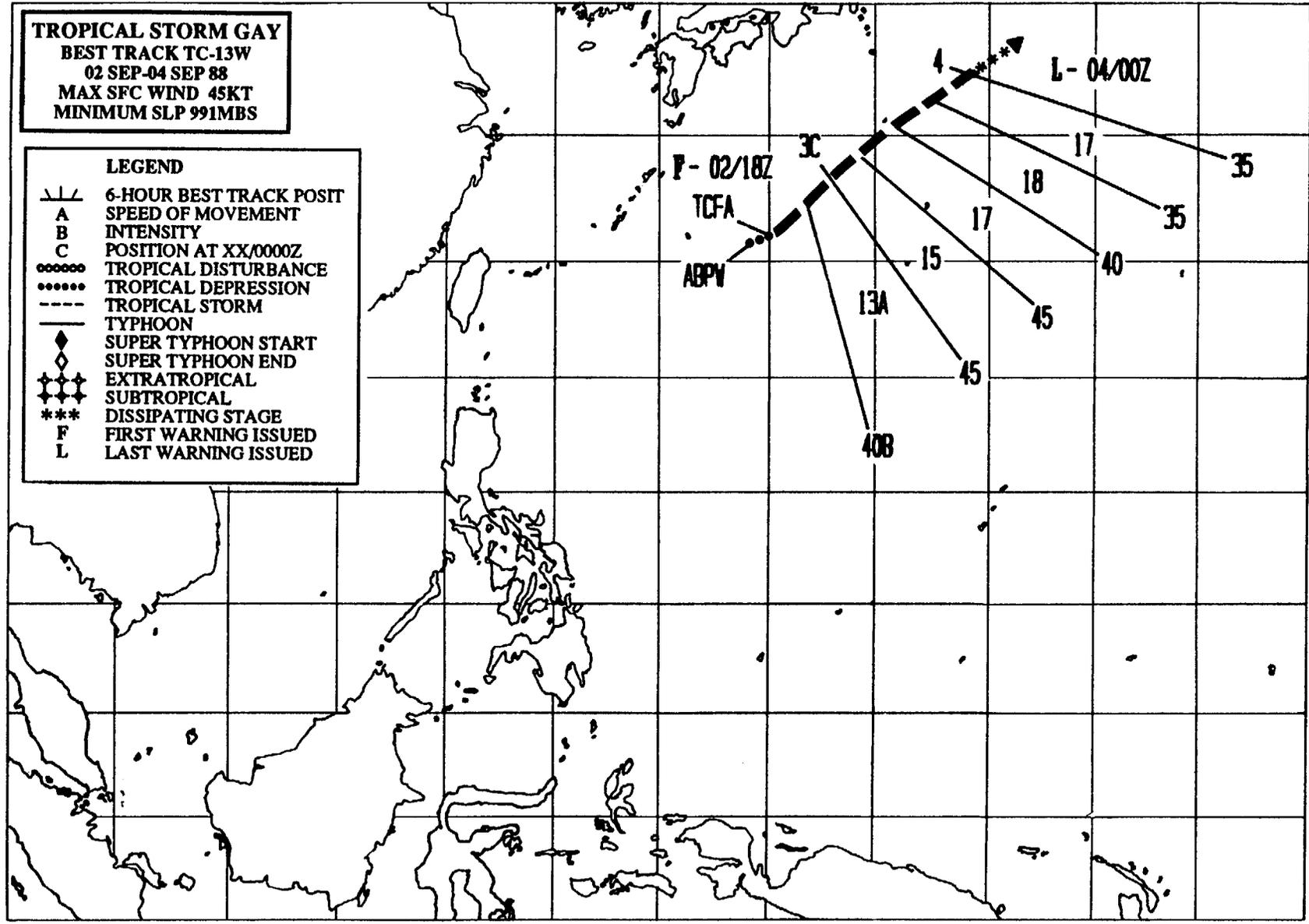
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TROPICAL STORM GAY (13W)

Gay was a short-lived (two day) tropical cyclone. Only six warnings were issued on the system before it dissipated over water. The disturbance that eventually became Gay formed in the monsoon trough 420 nm (778 km) east of Okinawa. It was first mentioned on the Significant Tropical Weather Advisory at 020600Z and rated as having a "fair" potential for significant development. The system's convection rapidly increased in amount and became better organized when its low-level circulation moved beneath the divergent area ahead of an approaching upper-level trough. After synoptic data (020600Z) indicated the disturbance had sustained surface winds in the

20 to 30 kt (10 to 15 m/sec) range and satellite wind estimates of 35 kt (18 m/sec), a Tropical Cyclone Formation Alert was issued at 021040Z. The first warning (021800Z) on Tropical Storm Gay followed. Gay moved northeastward at speeds of 14 kt (26 km/hr), or more, and reached a peak intensity of 45 kt (23 m/sec) sustained surface winds (Figure 3-13-1). After peaking, the tropical cyclone tracked into an environment of strong vertical wind shear, which separated the system's deep convection from its low-level circulation. The final warning was issued on Gay at 040000Z while it was dissipating over water 290 nm (537 km) southeast of Tokyo.

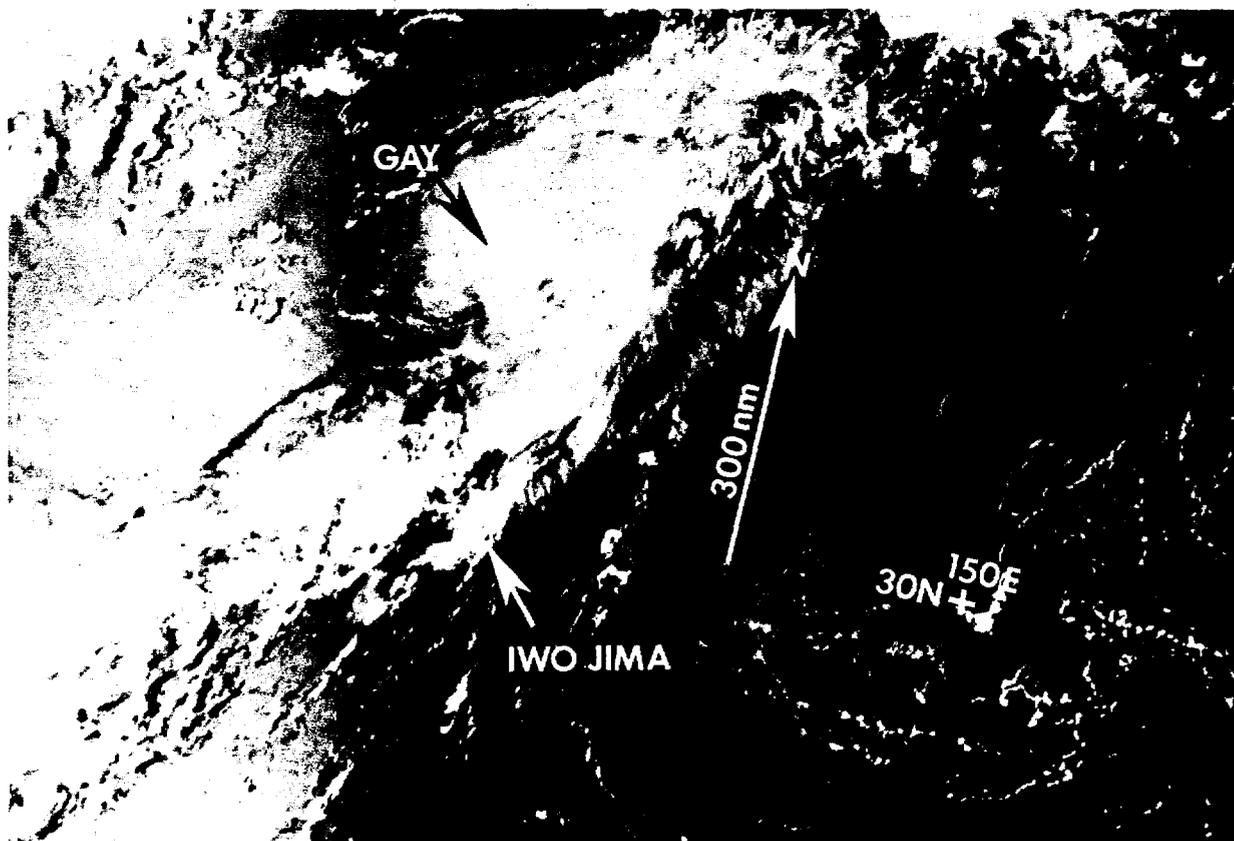


Figure 3-13-1. Tropical Storm Gay at peak intensity (030605Z September NOAA visual imagery).