

TYPHOON TINA (12W)

The tropical disturbance that became Typhoon Tina (12W) initially formed as an area of convection in the eastern Caroline Islands and was first noted on the Significant Tropical Weather Advisory (ABPW) at 0600Z on 21 July. The first Tropical Cyclone Formation Alert (TCFA) was issued at 1000Z on 23 July. However, upper level wind shear caused the system to lose much of its deep convection and the TCFA was cancelled. As the disturbance continued to track northwestward, vertical wind shear gradually relaxed and the system began to reorganize. A second TCFA was issued at 0830Z on the 29th. The system's organization continued to improve and the first warning on Tropical Depression (TD) 12W was issued at 1800Z the same day. TD 12W continued to track northwestward under the steering influence of the subtropical ridge, and was upgraded to Tropical Storm Tina (12W) with the 30 July 1800Z warning. The system reached typhoon strength by 1200Z on 3 August, with continued movement to the northwest. Interaction between the cyclone and the subtropical ridge resulted in a Poleward/Poleward Oriented pattern/region (see chapter 1), causing a gradual track change from northwestward to northward. Typhoon Tina (12W) reached its peak intensity of 90 kt (46 m/s), on 5 August at 0600Z. Naha airport in Okinawa reported 50 kt (26 m/s), sustained winds on the evening of 6 August as Tina passed west of the island. The system began to weaken as it moved toward the Korean Peninsula and encountered vertical wind shear. Tina made landfall along the South Korean coast at approximately 2200Z on 8 August. JTWC issued the final warning on the system at 1200Z, 9 August. Tina passed close to Pohang, Korea, early on the 9th, which recorded wind of 25 kt (13 m/s) sustained with gusts to 48 kt (25 m/s), and a minimum pressure of 995.3 mb. The system continued to track northeastward and dissipated over the Sea of Japan.

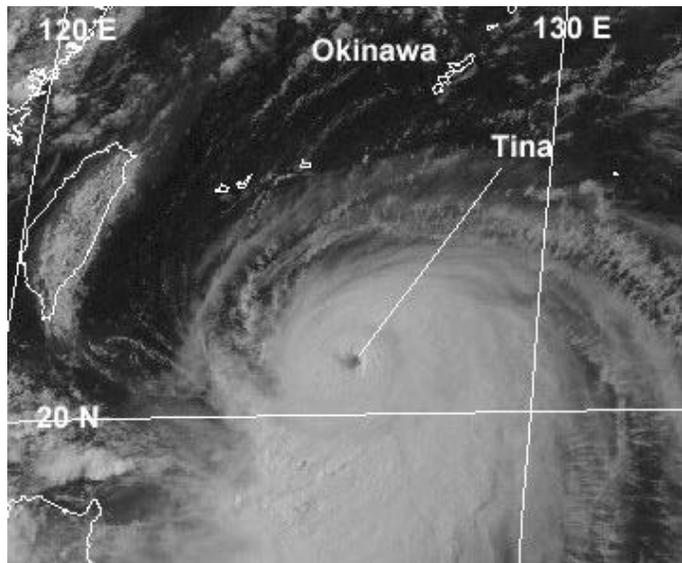
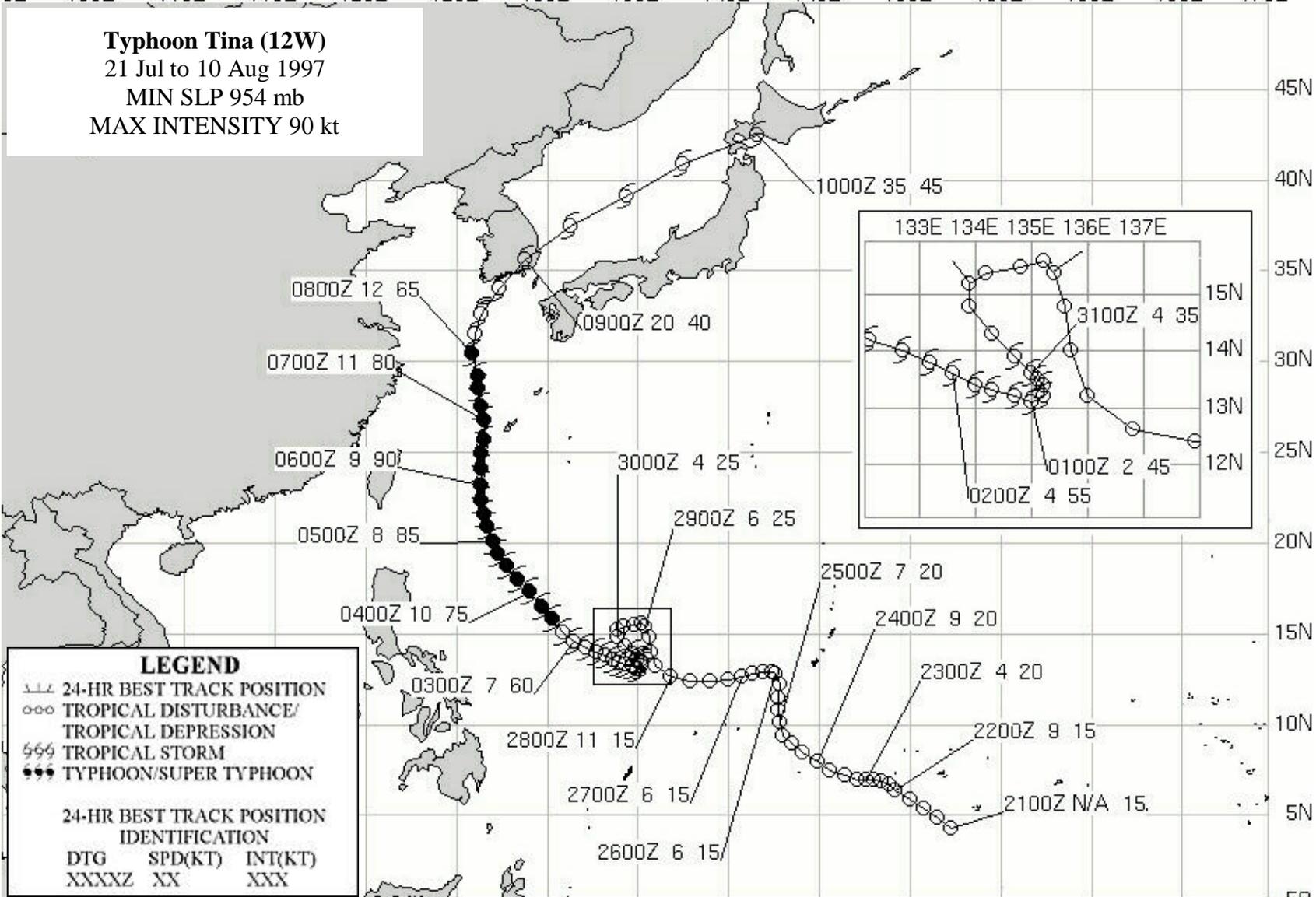


Figure 3-12-1 Typhoon Tina (12W) at 0730 on 5 Aug, near peak intensity of 90 kt (GMS 5 visible imagery).

100E 105E 110E 115E 120E 125E 130E 135E 140E 145E 150E 155E 160E 165E 170E

Typhoon Tina (12W)
 21 Jul to 10 Aug 1997
 MIN SLP 954 mb
 MAX INTENSITY 90 kt



LEGEND

- 24-HR BEST TRACK POSITION
- ooo TROPICAL DISTURBANCE/
TROPICAL DEPRESSION
- 5/5 TROPICAL STORM
- TYPHOON/SUPER TYPHOON

24-HR BEST TRACK POSITION
IDENTIFICATION

DTG	SPD(KT)	INT(KT)
XXXXZ	XX	XXX

45N
40N
35N
30N
25N
20N
15N
10N
5N
EQ