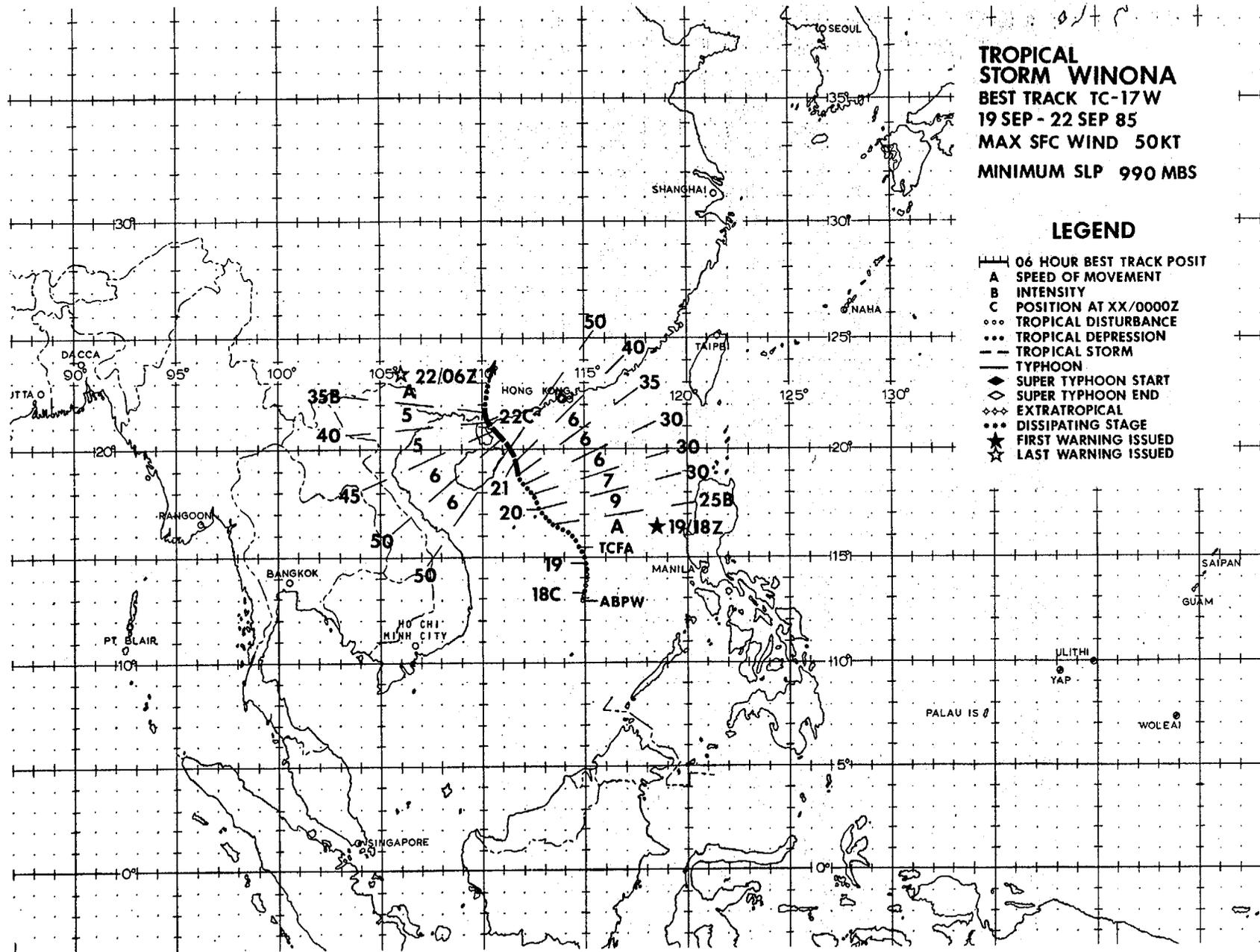


TROPICAL STORM WINONA
BEST TRACK TC-17W
19 SEP - 22 SEP 85
MAX SFC WIND 50KT
MINIMUM SLP 990 MBS

LEGEND

- 06 HOUR BEST TRACK POSIT
- A SPEED OF MOVEMENT
- B INTENSITY
- C POSITION AT XX/0000Z
- TROPICAL DISTURBANCE
- TROPICAL DEPRESSION
- TROPICAL STORM
- TYPHOON
- ◆ SUPER TYPHOON START
- ◇ SUPER TYPHOON END
- ◇◇ EXTRATROPICAL
- DISSIPATING STAGE
- ★ FIRST WARNING ISSUED
- ★ LAST WARNING ISSUED



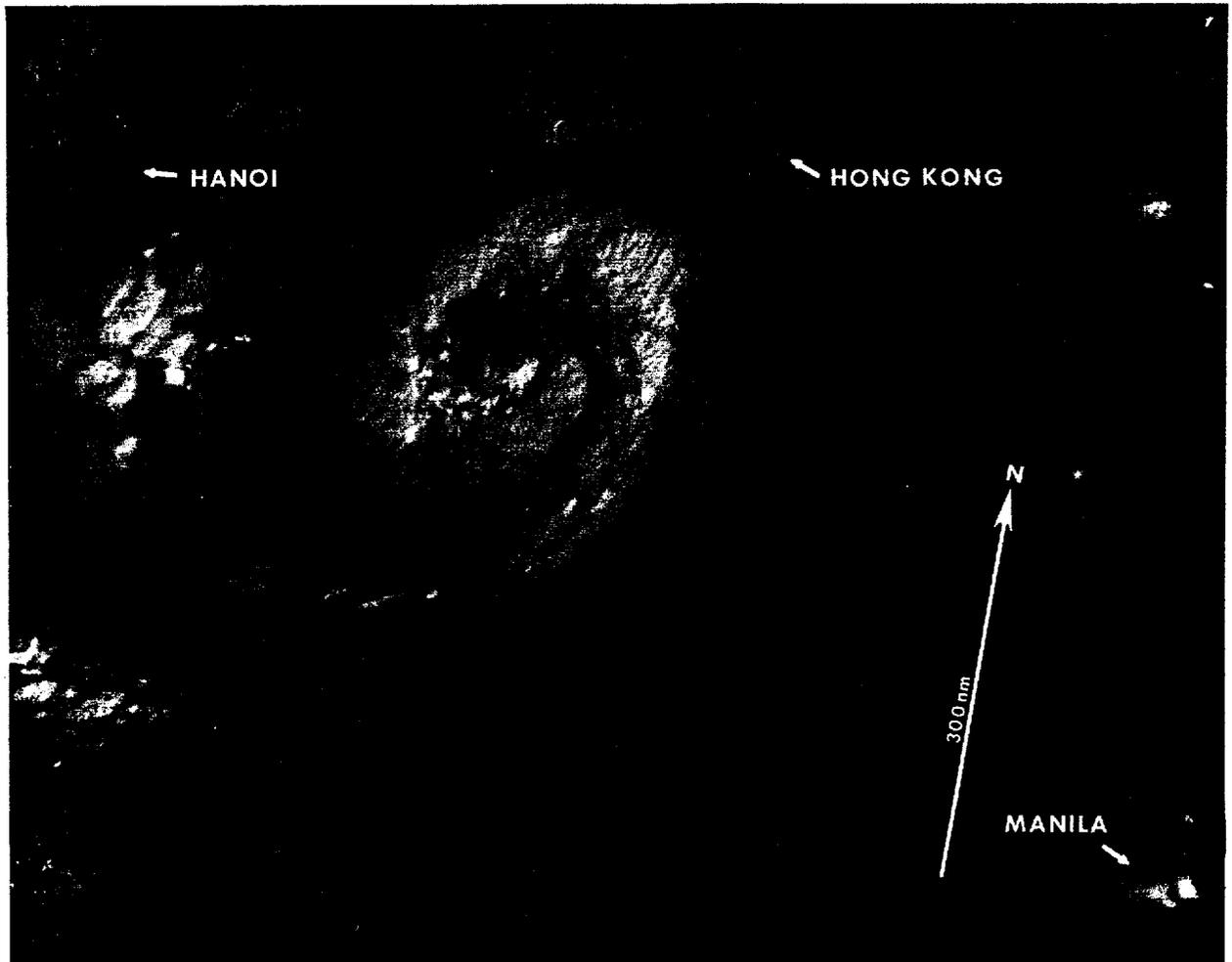


Figure 3-17-1. After the remnants of Tropical Storm Val dissipated over eastern China, excess vorticity at the base of the monsoon trough formed a surface circulation in the central South China Sea. Two days later this circulation intensified into Tropical Storm Winona. Winona tracked to the north-northwest as it intensified, moving around the western periphery of the subtropical ridge which was extending westward across the Philippine Sea. Winona made landfall as a 50 kt (26 m/s) tropical storm just west of Zhanjiang, China (WMO 59658) at about 212000Z. There were no reports of damage as it moved inland and dissipated. The satellite imagery above shows Winona just prior to reaching maximum intensity. Note the well-defined convective banding surrounding the center of the storm (210208Z September DMSP visual imagery).