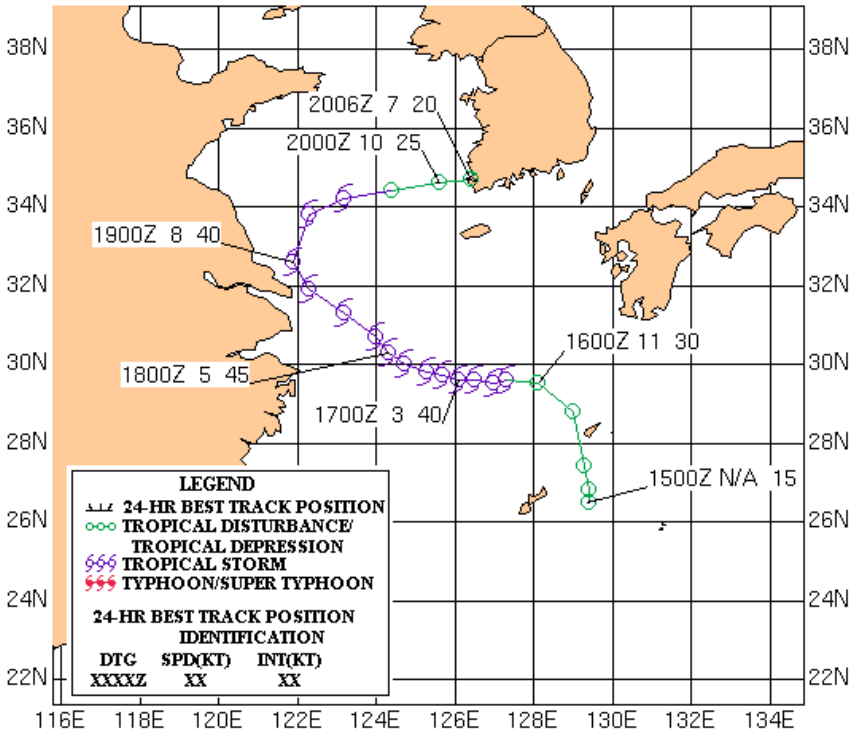
Tropical Storm Ann (23W)

Tropical Storm (TS) Ann (23W) formed about 90 nm east of Okinawa in mid September. This cyclone peaked at 45 kt over the southern portion of the Yellow Sea and then weakened as it moved under moderate to strong mid-latitude westerlies before dissipating on 20 September near the southwest coast of the Republic of Korea (ROK).

TS Ann (23W) initially tracked northward under the weak low/mid-level steering influence of the subtropical high over the northern Mariana Islands. JTWC issued the first warning on 152100Z September as a tropical depression. TS Ann then took a northwestward track, and reached a maximum intensity of 45 kt on 171200Z September.

TS Ann (23W) remained at 45 kt until 19 September. TS Ann then began to weaken under a moderate vertical wind shear environment generated by the mid-latitude westerlies. TS Ann then took a more northward track as the ridge over southern Japan began to weaken with the approach of a mid-latitude shortwave trough from the northwest. As the trough moved over the Yellow Sea, TS Ann tracked eastward dissipating near Makp'o ROK on 20 September. JTWC issued the 18th and final warning at 200300Z September.



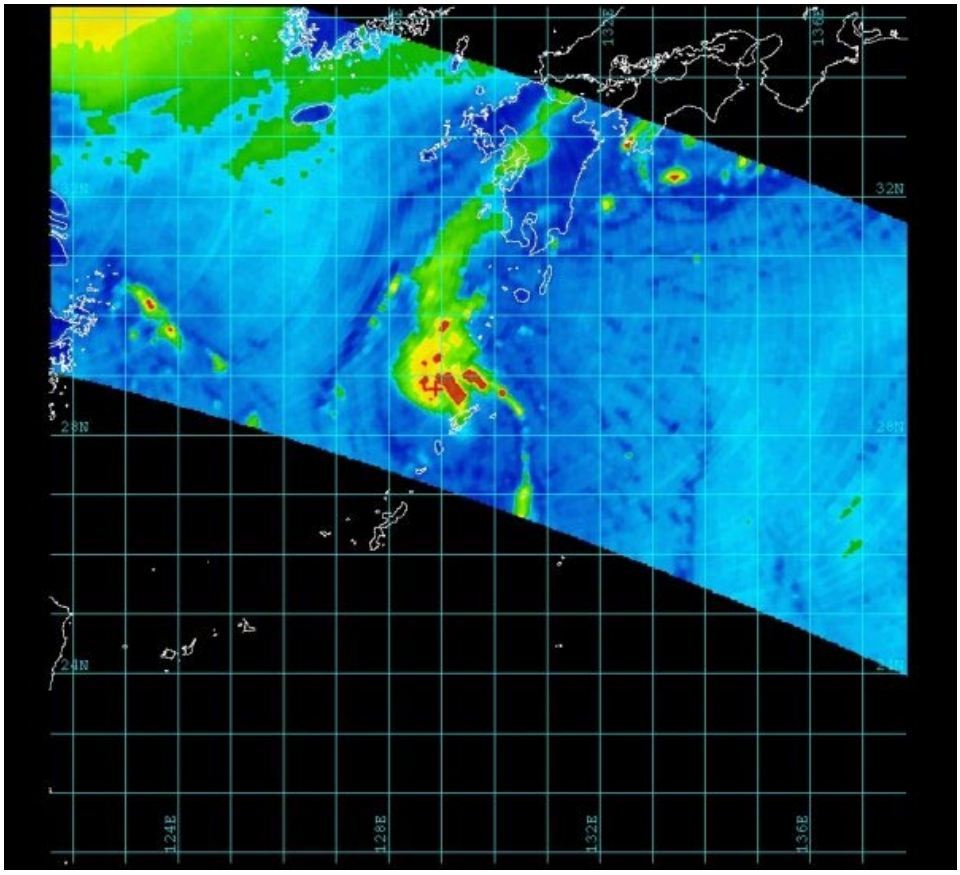


Figure 1-23-1. A Tropical Rainfall Measuring Mission (TRMM) pass of TS Ann (23W) at 30 kt at 151744Z September, off the west coast of Okinawa.

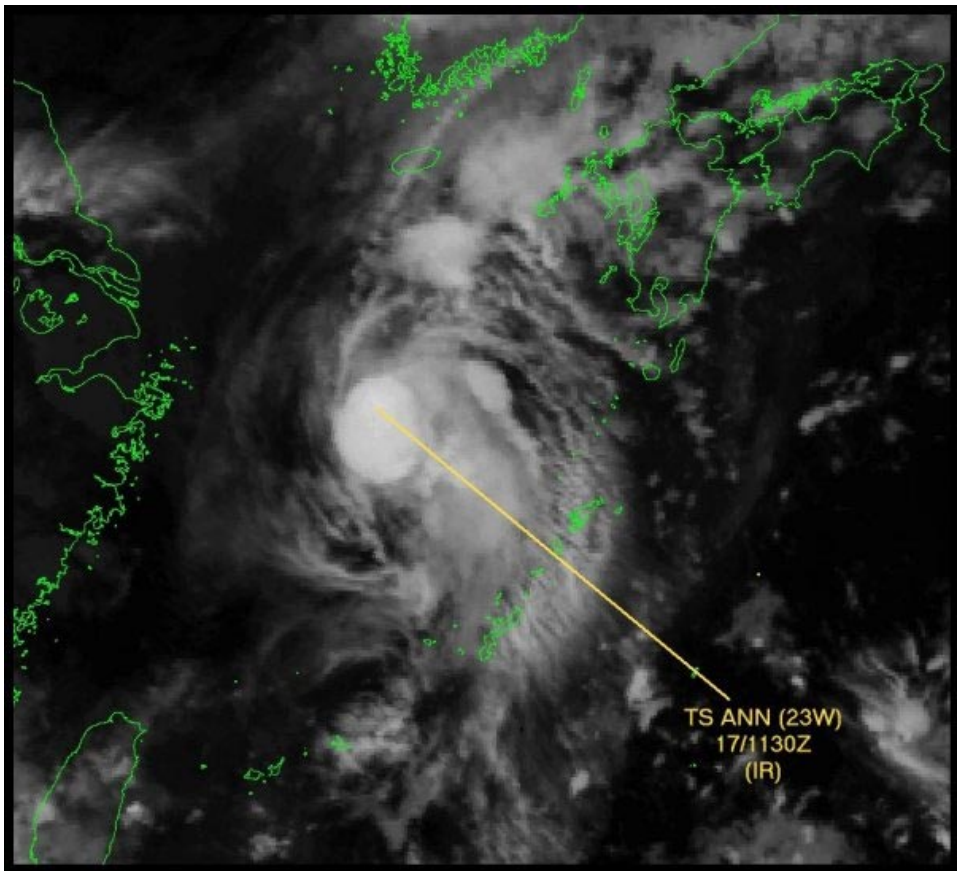


Figure 1-23-2. GMS-5 infrared image of TS Ann (23W) at 171130Z September over the Yellow Sea. Current intensity is 45 kt.

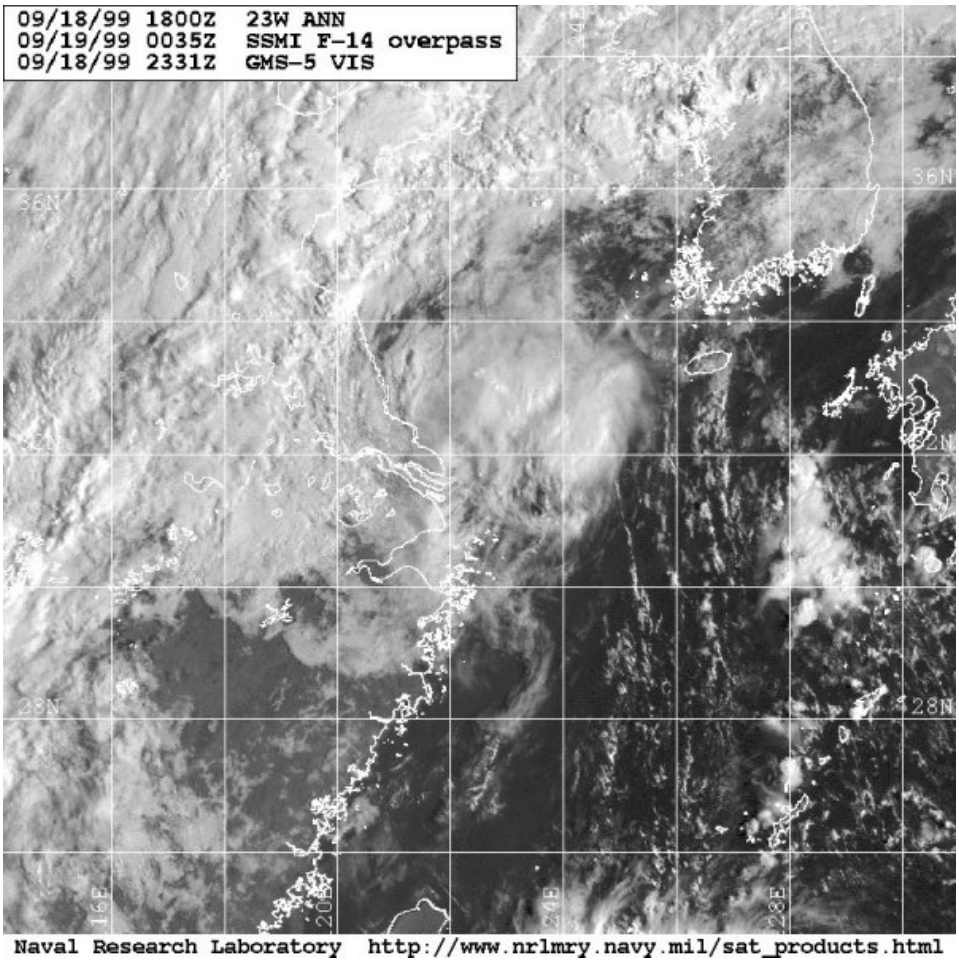


Figure 1-23-3. A GMS-5 visible image of TS Ann (23W) at 182331Z September. The image reveals the mid-latitude system to the northwest and a weakening, less organized, tropical cyclone. Current intensity is 40 kt.