

Tropical Storm Waldo (13W)

Tropical Storm Waldo (13W), a small-sized tropical cyclone, developed in the Philippine Sea southwest of Iwo Jima around 20 September. It moved north and dissipated in the Sea of Japan on 21 September. The proximity of TY Vicki (11W), a larger cyclone, affected TS Waldo's movement and intensity.

JTWC issued a Tropical Cyclone Formation Alert at 190900Z September. The first warning was issued at 200300Z September. TS Waldo developed and moved faster than forecast, reaching tropical storm intensity at 200600Z September while moving north at 20 kt. The rapid acceleration northward was due to the proximity of TY Vicki (11W) to the southwest. JTWC forecasts called for TS Waldo to rotate cyclonically around TY Vicki and slowly intensify. Instead, TS Waldo moved northward and accelerated due to an increase in the synoptic scale southerly wind flow between TY Vicki and the mid-tropospheric subtropical ridge located to the northeast of TS Waldo. Additionally, the upper-level outflow from TY Vicki suppressed the outflow from TS Waldo, resulting in a 45 kt maximum intensity.

Landfall occurred near Owase, Japan on Honshu Island around 210800Z September. TS Waldo crossed Japan and dissipated over the Sea of Japan.

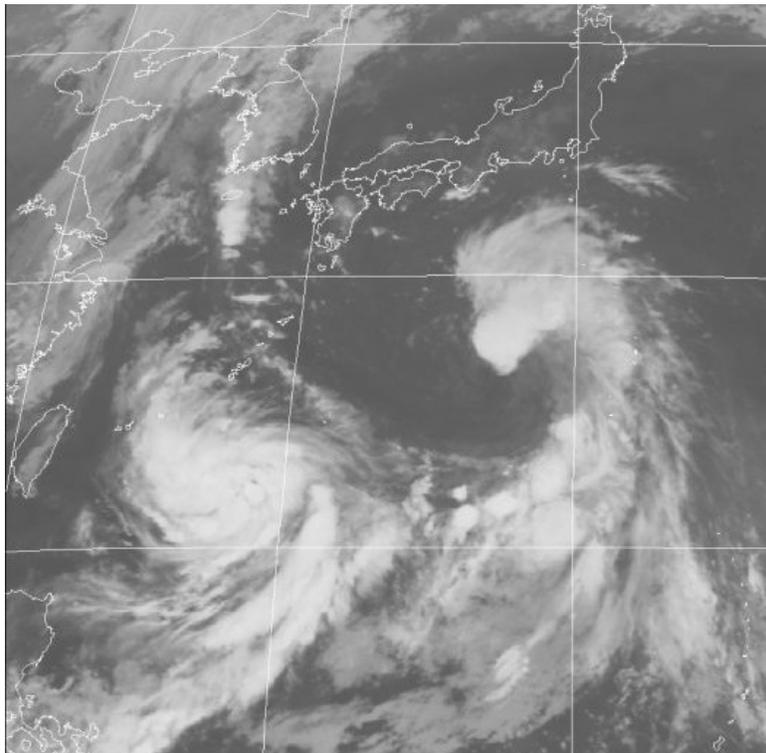


Figure 3-13-1. 201134Z September infrared satellite imagery when TS Waldo was a 35 kt system just south of Japan and TY Vicki (11W) was located southwest of TS Waldo and east of Taiwan.

