

B. TROPICAL STORM LUCILLE (250600Z MAY-010600Z JUNE 1960)

The 240600Z surface chart indicated the possible existence of a cyclonic circulation W of Koror. Twenty-four hours later the first warning was issued on T.D. LUCILLE. Also, at this time an elongated, unnamed low developed NW of Manila. LUCILLE moved W at 7 kts for the first 12 hours, but then turned NW and began to accelerate. At 270000Z the final warning was issued because the maximum winds around this depression had decreased to only 15 kts. During this time the low over NW Luzon had remained quasistationary.

The unnamed low began to move NE at 280000Z, and the Clark AB rawin indicated that this system was a closed cyclonic circulation at 500 mb. As this low crossed the Philippines the highest reported surface winds were 34 kts, reported in the Manila area. This unnamed low merged with the circulation that had been T.D. LUCILLE, and the merged system moved NE. At 300000Z, warnings on LUCILLE were renewed, this time as a tropical storm. LUCILLE, with center wind speeds of 45 kts, accelerated as it moved NE and passed 40 mi W of Iwo Jima at 311700Z. The strongest surface winds at Iwo Jima were 30 kts with gusts to 45 kts. The storm then passed within 10 mi of Peel Island at 312330Z. This island experienced a minimum SLP of 992 mb and winds of 50 kts with gusts to 70 kts, which caused the USS Cayuga County (LST) to broach in the harbor. The high wind speeds experienced at Peel Island are not considered representative, and are believed to be 30 to 40 percent higher than representative winds due to the "funneling" effect of the terrain to the SSW of the harbor. The winds abruptly decreased once LUCILLE passed the island. As the storm continued to move NE it accelerated and rapidly became extratropical. The final tropical warning was issued at 010600Z.

Eighteen warnings were issued on LUCILLE covering two periods. During the first period (250600Z-270000Z) LUCILLE traveled 350 mi in 1 day and 18 hours, averaging 8 kts or 199 mi per day. During the second period (300000Z-010600Z) LUCILLE traveled 1,050 mi in 2 days and 6 hours, averaging 19 kts or 459 mi per day. The minimum speed was 7 kts on 25 May, and the maximum speed was 25 kts on 1 June.

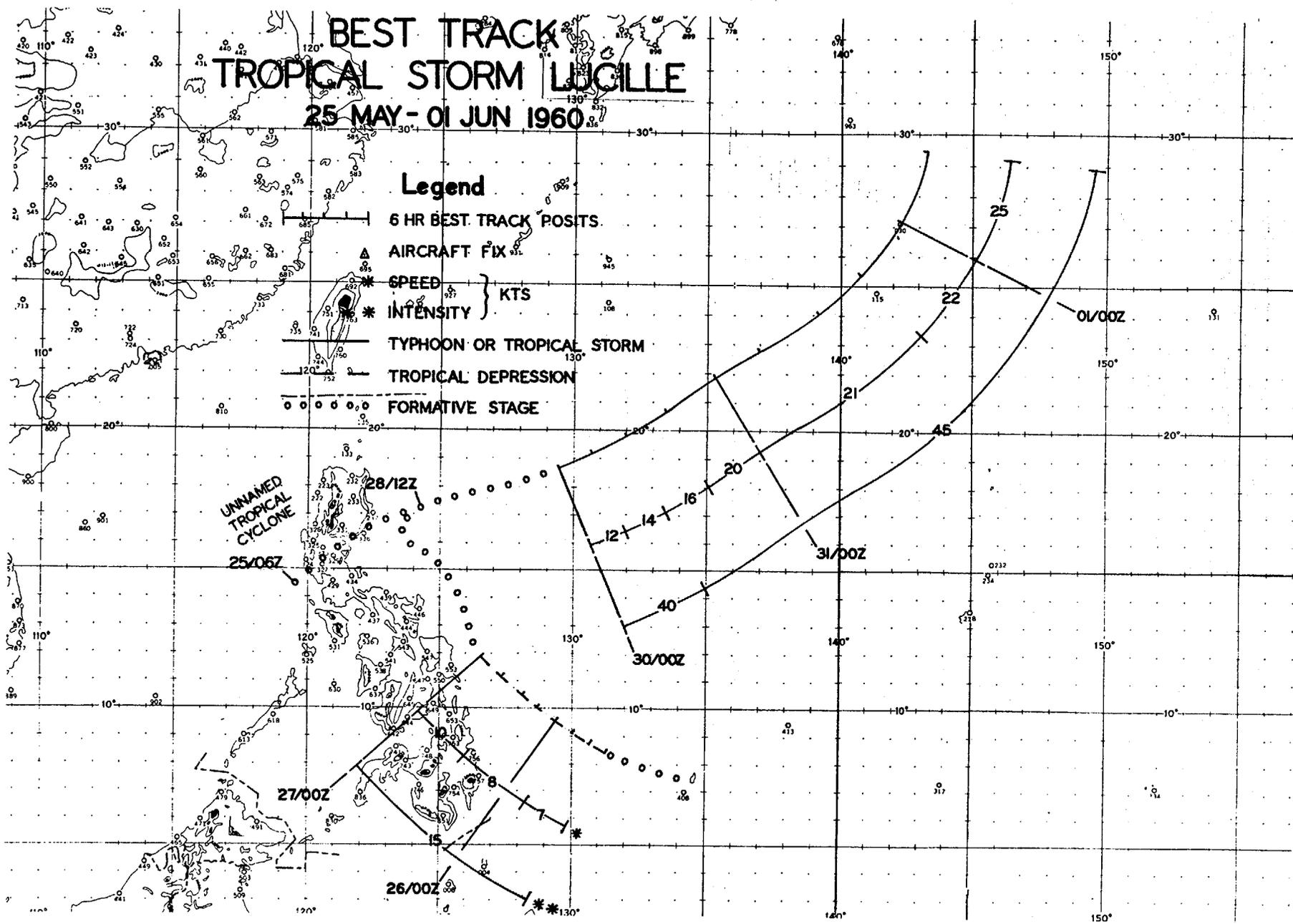
BEST TRACK TROPICAL STORM LUCILLE

25 MAY - 01 JUN 1960

Legend

- 6 HR BEST TRACK POSITS.
- ▲ AIRCRAFT FIX
- * SPEED } KTS
- * INTENSITY }
- TYPHOON OR TROPICAL STORM
- - - TROPICAL DEPRESSION
- ○ ○ ○ ○ FORMATIVE STAGE

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TROPICAL STORM LUCILLE 25 MAY-01 JUNE 1960
 POSITION AND FORECAST VERIFICATION DATA

DTG	STORM POSITION		24 HR. ERROR		48 HR. ERROR	
	LAT.	LONG.	DEG.	DISTANCE	DEG.	DISTANCE
250600Z	08.4N	131.3E	-	-	-	-
251200Z	08.7N	130.7E	-	-	-	-
251800Z	09.1N	130.1E	-	-	-	-
260000Z	09.5N	129.4E	-	-	-	-
260600Z	10.0N	128.8E	-	-	-	-
261200Z	10.5N	128.1E	-	-	-	-
261800Z	11.1N	127.4E	-	-	-	-
270000Z	11.9N	126.7E	-	-	-	-
270000Z TO 300000Z NO WARNINGS ISSUED						
300000Z	18.7N	129.5E	-	-	-	-
300600Z	19.2N	130.7E	-	-	-	-
301200Z	19.8N	132.0E	-	-	-	-
301800Z	20.7N	133.5E	-	-	-	-
310000Z	21.9N	135.2E	225-264		-	-
310600Z	23.0N	137.1E	221-295		-	-
311200Z	24.0N	139.1E	223-319		-	-
311800Z	25.3N	140.9E	218-168		-	-
010000Z	27.2N	142.1E	162-116		221-582	
010600Z	29.5N	143.3E	067-077		211-606	

AVERAGE 24 HOUR ERROR 206 MI
 AVERAGE 48 HOUR ERROR 594 MI

24 HR FORECAST POSITS TROPICAL STORM LUCILLE 25 MAY - 01 JUN 1960

Legend

- 24 HR FORECAST POSITS
- 6 HR BEST TRACK POSITS

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