

TYPHOON VIOLA - 251200Z to 280600Z MAY

I. DATA

A. Statistics

1. Calendar days of tropical warning - 3
2. Calendar days of typhoon intensity - 1
3. Total distance traveled during tropical warning period - 432 mi

B. Characteristics as a typhoon

1. Minimum observed SLP - 980mb, 270400Z and 271025Z
2. Minimum observed 700mb height - 2918m, 271025Z
3. Maximum surface wind - 70 kts
4. Max radius of surface circulation - 450 mi

II. DEVELOPMENT

A. Initial impetus - Fracture of Polar Trough followed by intensification of high level outdraft

B. Initial surface vortex

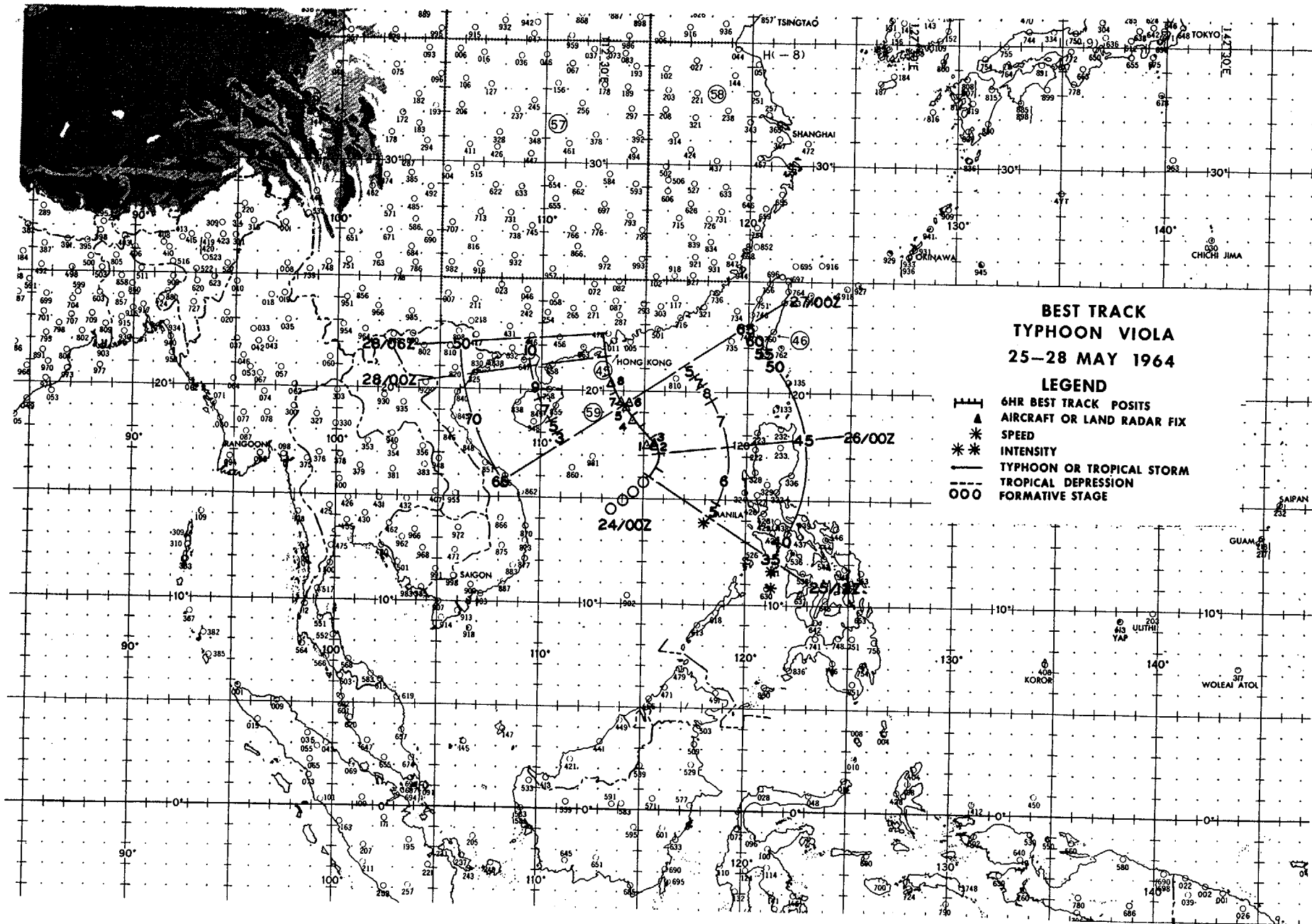
1. Junction vortex at 240000Z
2. Surface pressure less than 1004mb

C. 200mb flow above surface vortex

1. Initial - SE quadrant of anticyclone
2. Upon reaching typhoon intensity - SSW quadrant of anticyclone

III. FINAL DISPOSITION

- A. Dissipated over land



**BEST TRACK
TYPHOON VIOLA
25-28 MAY 1964**

LEGEND

- 6HR BEST TRACK POSITS
- ▲ AIRCRAFT OR LAND RADAR FIX
- * SPEED
- * INTENSITY
- TYPHOON OR TROPICAL STORM
- TROPICAL DEPRESSION
- OOO FORMATIVE STAGE

EYE FIXES TYPHOON VIOLA

FIX NO.	TIME	POSIT	UNIT- METHOD -ACCY	FLT LVL	FLT LVL WND	OBS SFC WND	OBS MIN SLP	MIN 700MB HGT	FLT LVL TT/TD	REMARKS
1	252200Z	17.5N 115.3E	VW1-P-5	1500ft	--	35	991	---	--/--	CIRC 20 MI DIA
2	260330Z	17.5N 115.6E	VW1-P-5	1500ft	--	40	990	---	--/--	CIRC 40 MI DIA
3	260400Z	17.4N 115.6E	54-R-10	31000ft	15	--	---	---	-28/--	CIRC 30 MI DIA
4	261710Z	18.8N 114.6E	VW1-P-5	1050ft	--	--	984	---	26/18	ELLIP ENE/WSW 50X40 MI
5	262130Z	19.1N 114.2E	VW1-R-12	1500ft	--	--	---	---	--/--	ELLIP NNW/SSE 50X40 MI
6	270400Z	19.5N 114.3E	56-P-5	700mb	60	50	980	2923	14/10	CIRC 55 MI DIA
7	271025Z	19.5N 114.0E	VW1-P-U	UNK	--	65	980	2918	14/7	
8	271530Z	20.3N 113.5E	VW1-R-5	9000ft	--	--	---	---	--/--	ELLIP NE/SW 45X30 MI

TYPHOON VIOLA 25 MAY-28 MAY 1964
 POSITION AND FORECAST VERIFICATION DATA

DTG	STORM POSITION		24 HOUR ERROR	48 HOUR ERROR
	LAT.	LONG.	DEG. DISTANCE	DEG. DISTANCE
251200Z	16.1N	115.4E	-----	-----
251800Z	16.5N	115.7E	-----	-----
260000Z	17.1N	115.8E	-----	-----
260600Z	17.7N	115.4E	-----	-----
261200Z	18.3N	114.9E	095-197	-----
261800Z	18.8N	114.5E	097-250	-----
270000Z	19.3N	114.2E	101-181	-----
270600Z	19.5N	114.0E	101-203	-----
271200Z	19.9N	113.7E	101-245	095-378
271800Z	20.6N	113.4E	152-130	096-429
280000Z	21.5N	113.1E	234-115	100-382
280600Z	22.4N	112.9E	220-103	106-418

AVERAGE 24 HOUR ERROR 178 MI
 AVERAGE 48 HOUR ERROR 402 MI

