

TYPHOON VIOLET - 140000Z to 151200Z SEPTEMBER

I. DATA

A. Statistics

1. Calendar days of tropical warning - 1 3/4
2. Calendar days of typhoon intensity - $\frac{1}{2}$
3. Total distance traveled during tropical warning period - 456 mi

B. Characteristics as a typhoon

1. Minimum SLP not observed
2. Minimum 700mb height not observed
3. Maximum surface wind - 75 kts
4. Max radius of surface circulation - 325 mi

II. DEVELOPMENT

A. Initial impetus - Increased inflow at lower levels from out-draft centered S of initial vortex and increased divergent flow at 200mb

B. Initial surface vortex

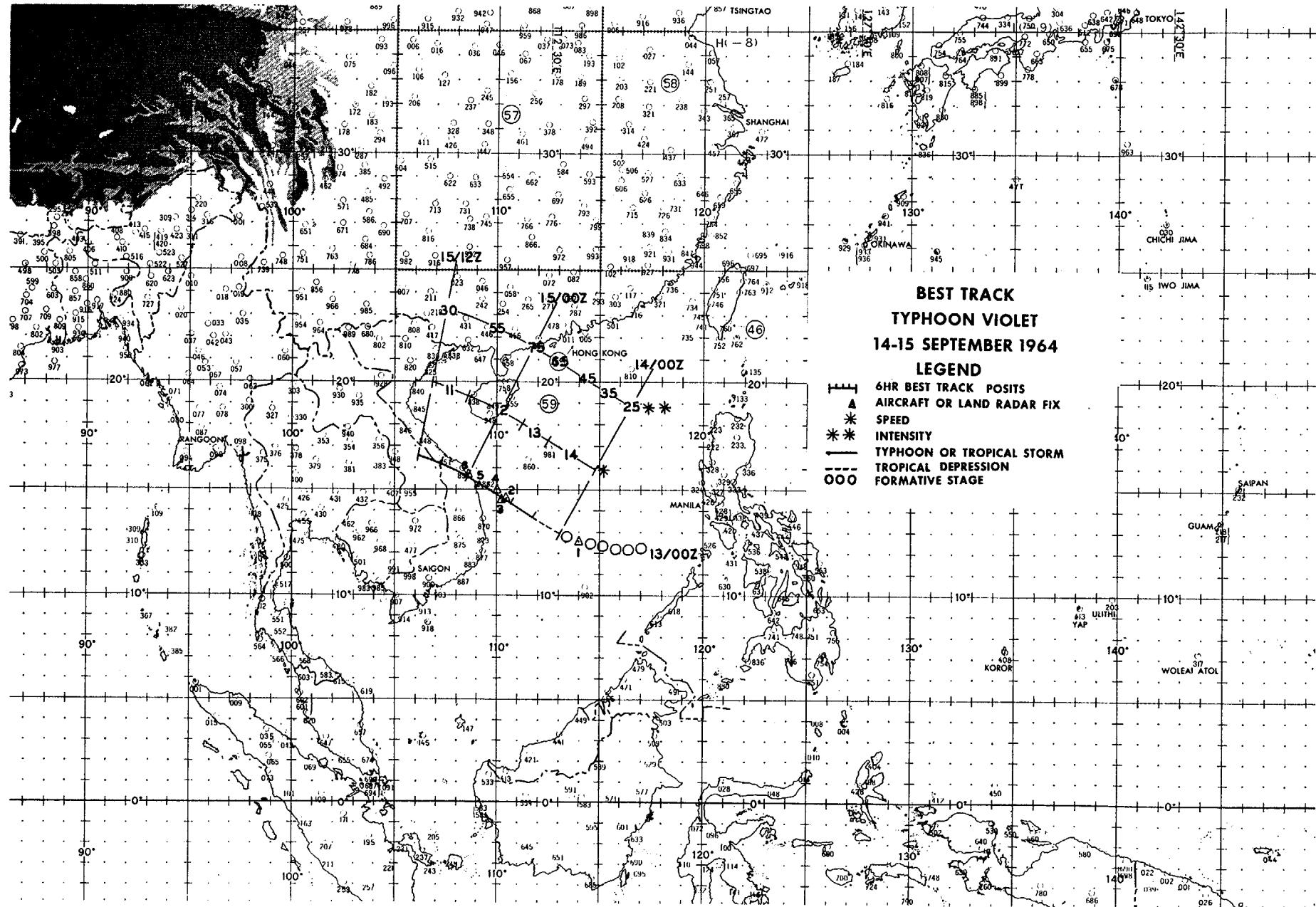
1. Junction vortex at 130000Z
2. Surface pressure less than 1006mb

C. 200mb flow above surface vortex

1. Initial - Ridge extending from anticyclone over East China Sea
2. Upon reaching typhoon intensity - E quadrant of small anticyclone

III. FINAL DISPOSITION

- A. Dissipated over land



EYE FIXES TYPHOON VIOLET

FIX NO.	TIME	POSIT	UNIT- METHOD -ACCY	FLT LVL	FLT	OBS LVL	OBS WND	MIN SLP	700MB HGT	FLT LVL	REMARKS
					FLT LVL	OBS WND	MIN SLP	700MB HGT	TT/TD		
1	131930Z	12.5N 114.0E	UNK ACFT	---	--	--	---	---	---	--/--	EYE DIA 30 MI ILL DEFINED
2	141230Z	14.6N 110.5E	SHIP RADAR	---	--	--	---	---	---	--/--	HEAVY BANDS 12 & 48 MI FM CNTR EST MAX WND IN CNTR 45 KTS
3	141300Z	14.5N 110.3E	SHIP RADAR	---	--	--	---	---	---	--/--	SPIRAL BANDS WITH SMALL EYE AT CNTR WND 33 GUSTS TO 40 KTS 72 MI N OF CNTR
4	141730Z	15.0N 110.0E	SHIP RADAR	---	--	--	---	---	---	--/--	WND 30 MI FM CNTR 35 TO 45 KTS GUSTS TO 52 KTS
L 68	141940Z	15.2N 109.1E	VW1-R-3	1500ft	--	--	---	---	---	--/--	CIRC 9 MI DIA WALL CLD 5 MI THICK SFC WND 40+ KTS 70 MI NE OF EYE
6	150000Z	15.7N 108.4E	VW1-R-3	1000ft	--	--	---	---	---	--/--	CIRC 7 MI DIA WALL CLD 6 MI THICK SFC WND 80 KTS 30 MI NE OF EYE

TYPHOON VIOLET 14 SEPT-15 SEPT 1964
POSITION AND FORECAST VERIFICATION DATA

DTG	STORM POSITION		24 HOUR ERROR	48 HOUR ERROR
	LAT.	LONG.	DEG. DISTANCE	DEG. DISTANCE
140000Z	12.9N	113.0E	-----	-----
140600Z	13.6N	111.8E	-----	-----
141200Z	14.4N	110.5E	-----	-----
141800Z	15.1N	109.4E	-----	-----
150000Z	15.7N	108.3E	-----	-----
150600Z	16.2N	107.2E	145-108	-----
151200Z	16.5N	106.1E	-----	-----

AVERAGE 24 HOUR ERROR 108 MI

