TYPHOON VERA - 250600Z-280600Z AUGUST 1962

I. DATA

A. Statistics

1. Calendar days of tropical warning - 3
2. Calendar days of typhoon intensity - 1¼
3. Total distance traveled during tropical warning period - 756 MI

B. Characteristics as a typhoon

1. Min observed SLP - 983mb, 260330Z
2. Min observed 850mb height - 4455 ft, 260330Z
3. Min observed 700mb height - 9730 ft, 260330Z
4. Max vertical development - 30,000 ft, 261200Z

II. DEVELOPMENT

A. Initial impetus - Superposition and fracture of polar trough and easterly wave at the 200mb level. Surge in easterlies following fracture on the 200mb level.

B. Initial surface vortex

1. Embedded in ITC at 230600Z
2. Surface pressure less than 1008mb
3. Maximum surface wind - 10 kts

C. Zenith flow at 200mb

1. Relative position surface vortex - SE quadrant of anticyclone
2. Wind velocity over vortex - 080/20 kts

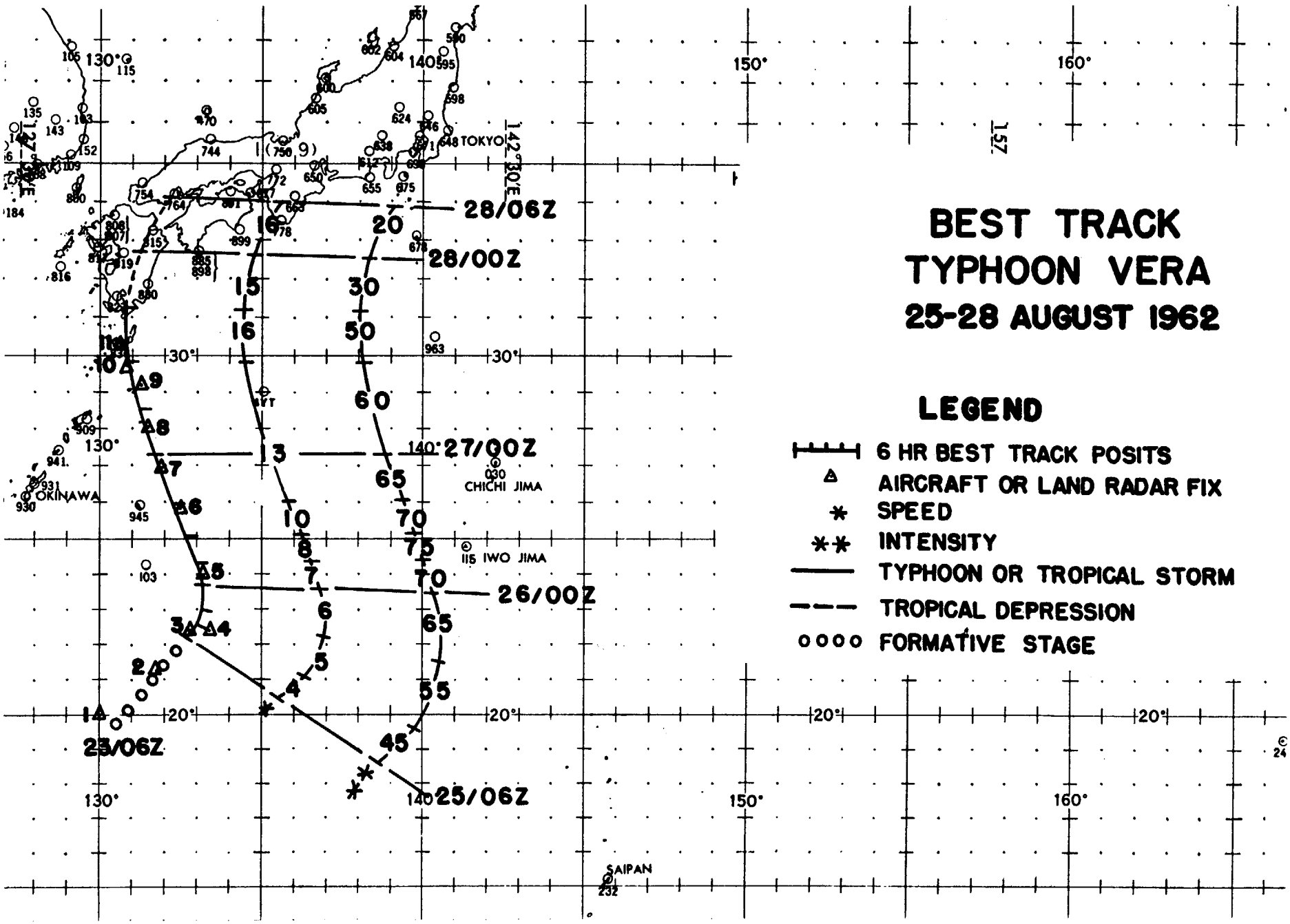
III. STEERING

A. Prior to recurvature - 500mb
B. During recurvature - 500mb
C. After recurvature - 500mb

IV. DISSIPATION

A. Causative factor - Land strike and cold air
B. Final disposition - Dissipated over land

V. DAMAGE - No reports received


BEST TRACK
TYPHOON VERA
25-28 AUGUST 1962
LEGEND
6 HR BEST TRACK POSITS
AIRCRAFT OR LAND RADAR FIX
SPEED
INTENSITY
TYPHOON OR TROPICAL STORM
TROPICAL DEPRESSION
FORMATIVE STAGE
TOKYO
OKINAWA
CHICHI JIMA
IWO JIMA
SAIPAN
28/06Z
28/00Z
27/00Z
26/00Z
25/06Z
23/06Z
130°
140°
150°
160°
20°
30°

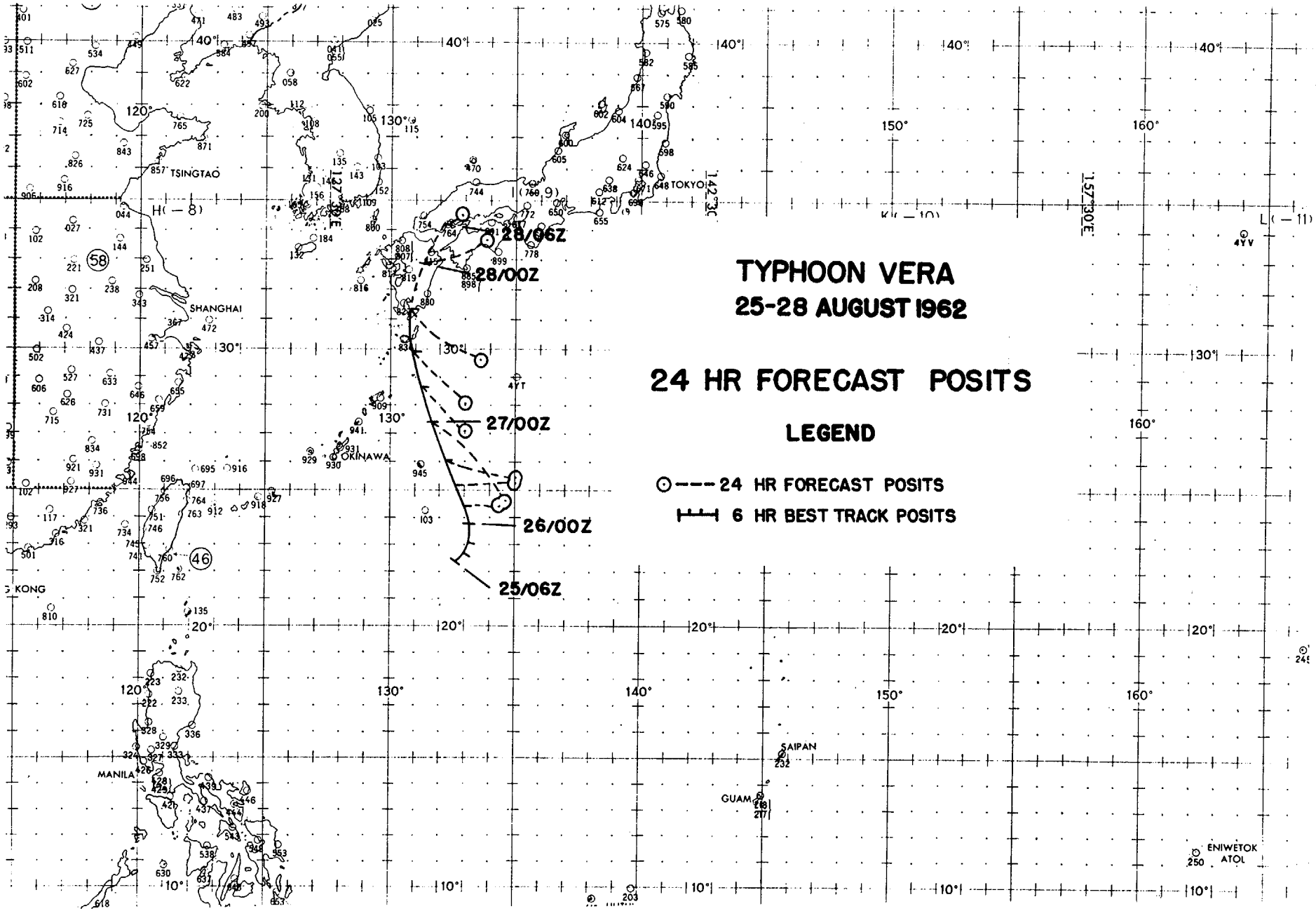
LAND RADAR AND AIRCRAFT FIXES - TYPHOON VERA

FIX NO.	TIME	LAT.	LONG.	UNIT METHOD & ACCY	MAX SFC WND	MAX 700MB WND	MIN 700MB HGT	MIN SLP MBS	700MB T/Td (°C)	EYE CHARACTERISTICS
1	231800Z	20.0N	130.0E	VW1-P-U	-	-	-	-	- -	WEAK ORGANIZED CLD PATTERN
2	241148Z	21.4N	131.8E	VW1-P-05	-	-	10305	-	- -	FEEDER BANDS FORMED SW TO NE
3	250654Z	22.4N	132.8E	54-P-U	45	-	10150	996	- -	CIRC 20 MI DIA, WALL CLDS ALL QUADS
4	251240Z	22.2N	133.3E	VW1-R-03	-	-	-	-	- -	DIA 11 MI, OPEN N
5	260330Z	24.0N	133.1E	54-P-03	75	60	9730	983	10/09	DIA 5 MI
6	261630Z	25.8N	132.3E	VW1-R-03	-	-	-	-	- -	DIA 5 MI, WEAK NW
7	262200Z	26.9N	131.9E	54-P-02	70	60	9780	984	16/12	---
8	270315Z	28.0N	131.4E	54-P-02	55	55	9960	983	15/12	ELLIP MAJOR AXIS N-S, 25 MI DIA
9	270900Z	29.2N	131.2E	LND/RDR	-	-	-	-	- -	---
10	271200Z	29.7N	130.8E	LND/RDR	-	-	-	-	- -	---
11	271500Z	30.3N	130.6E	VW1-R-03	-	-	-	-	- -	DIA 70 MI, VERY DIFFUSE

TYPHOON VERA 25-28 AUG 1962
POSITION AND FORECAST VERIFICATION DATA

DTG	STORM POSITION LAT.	LONG.	24-HR. ERROR DEG. DISTANCE	48-HR. ERROR DEG. DISTANCE
250600Z	22.3N	132.7E	------	------
251200Z	22.6N	133.0E	------	------
251800Z	23.0N	133.3E	------	------
260000Z	23.7N	133.2E	------	------
260600Z	24.3N	133.0E	089-84	------
261200Z	25.1N	132.7E	086-128	------
261800Z	26.0N	132.3E	111-169	------
270000Z	27.3N	131.7E	136-227	------
270600Z	28.5N	131.3E	132-133	095-240
271200Z	29.8N	130.9E	132-158	094-265
271800Z	31.3N	130.7E	135-144	117-296
280000Z	32.7N	131.4E	068-137	154-460
280600Z	34.1N	132.2E	083-33	176-433

AVERAGE 24 HOUR ERROR 134.8 MI
AVERAGE 48 HOUR ERROR 338.8 MI


TYPHOON VERA
25-28 AUGUST 1962
24 HR FORECAST POSITS
LEGEND
24 HR FORECAST POSITS
6 HR BEST TRACK POSITS
28/06Z
28/00Z
27/00Z
26/00Z
25/06Z
TSINGTAO
SHANGHAI
OKINAWA
TOKYO
MANILA
SAIPAN
GUAM
ENIWETOK ATOL
H(-8)
L(-11)
157°30'E
142°30'E