TYPHOON ELAINE - 251200Z to 280600Z AUGUST

I. DATA

A. Statistics

1. Calendar days of tropical warning - 3½
2. Calendar days of typhoon intensity - 2¼
3. Total distance traveled during tropical warning period - 1128 mi

B. Characteristics as a typhoon

1. Minimum observed SLP - 967mb, 270400Z
2. Minimum observed 700mb height - 2768m, 270400Z
3. Max radius of SFC circulation - 250 mi
4. Max surface winds - 100 kts

II. DEVELOPMENT

A. Initial impetus - Superposition of MPT with easterly wave with subsequent fracture

B. Initial surface vortex

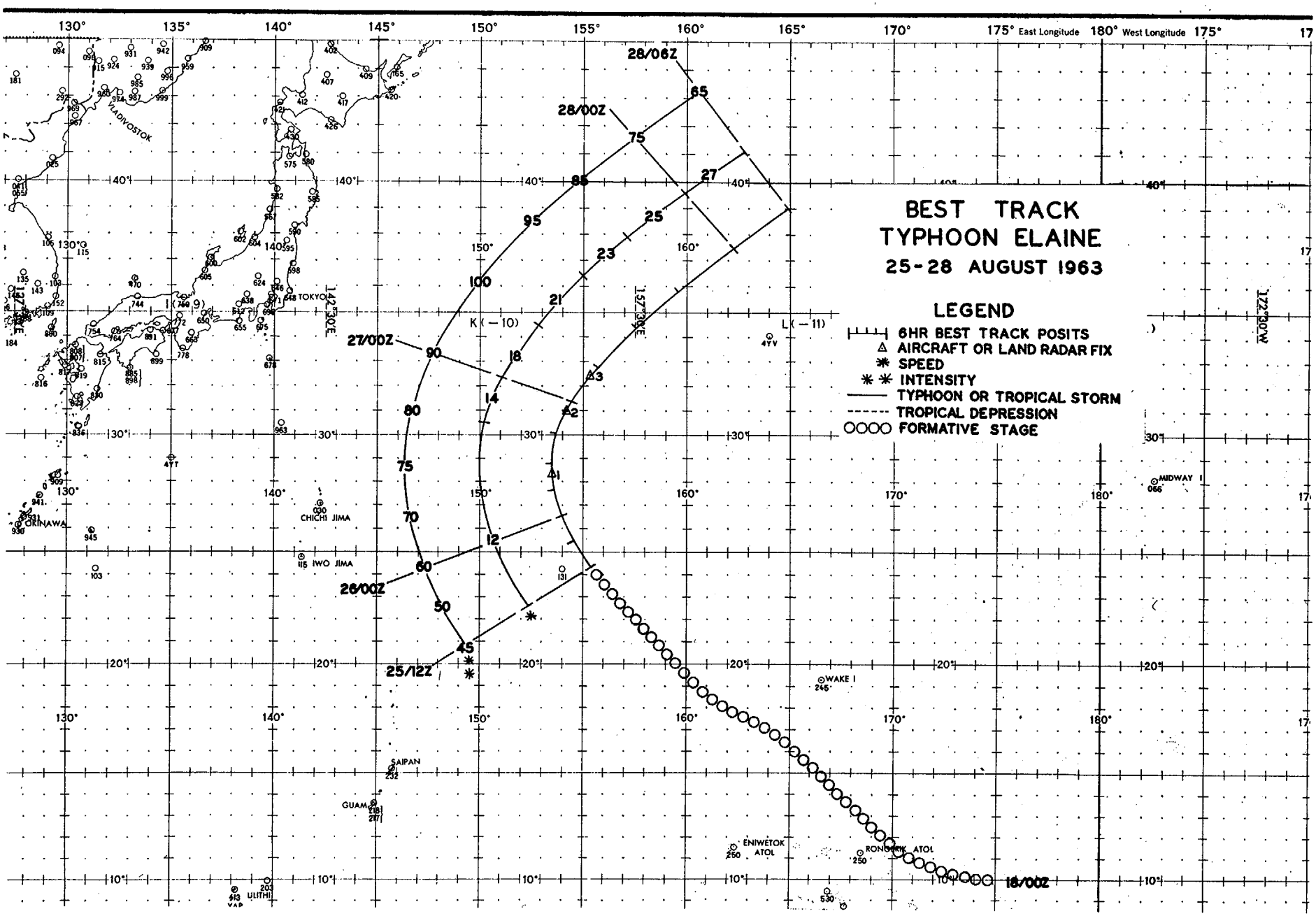
1. Embedded vortex at 180000Z
2. Surface pressure less than 1009mb

C. Zenith flow at 200mb

1. Relative position surface vortex - SE quadrant of anticyclone
2. Wind direction over vortex - NE

III. FINAL DISPOSITION

A. Became extratropical


BEST TRACK
TYPHOON ELAINE
25-28 AUGUST 1963
LEGEND
6HR BEST TRACK POSITS
AIRCRAFT OR LAND RADAR FIX
SPEED
INTENSITY
TYPHOON OR TROPICAL STORM
TROPICAL DEPRESSION
FORMATIVE STAGE
175° East Longitude
180° West Longitude
28/06Z
28/00Z
27/00Z
26/00Z
25/12Z
18/00Z
VLADIVOSTOK
TOKYO
CHICHI JIMA
IWO JIMA
OKINAWA
SAIPAN
GUAM
ULITHI
WAKE I
ENIWETOK ATOL
RONGERIK ATOL
MIDWAY I
K (-10)
L (-11)

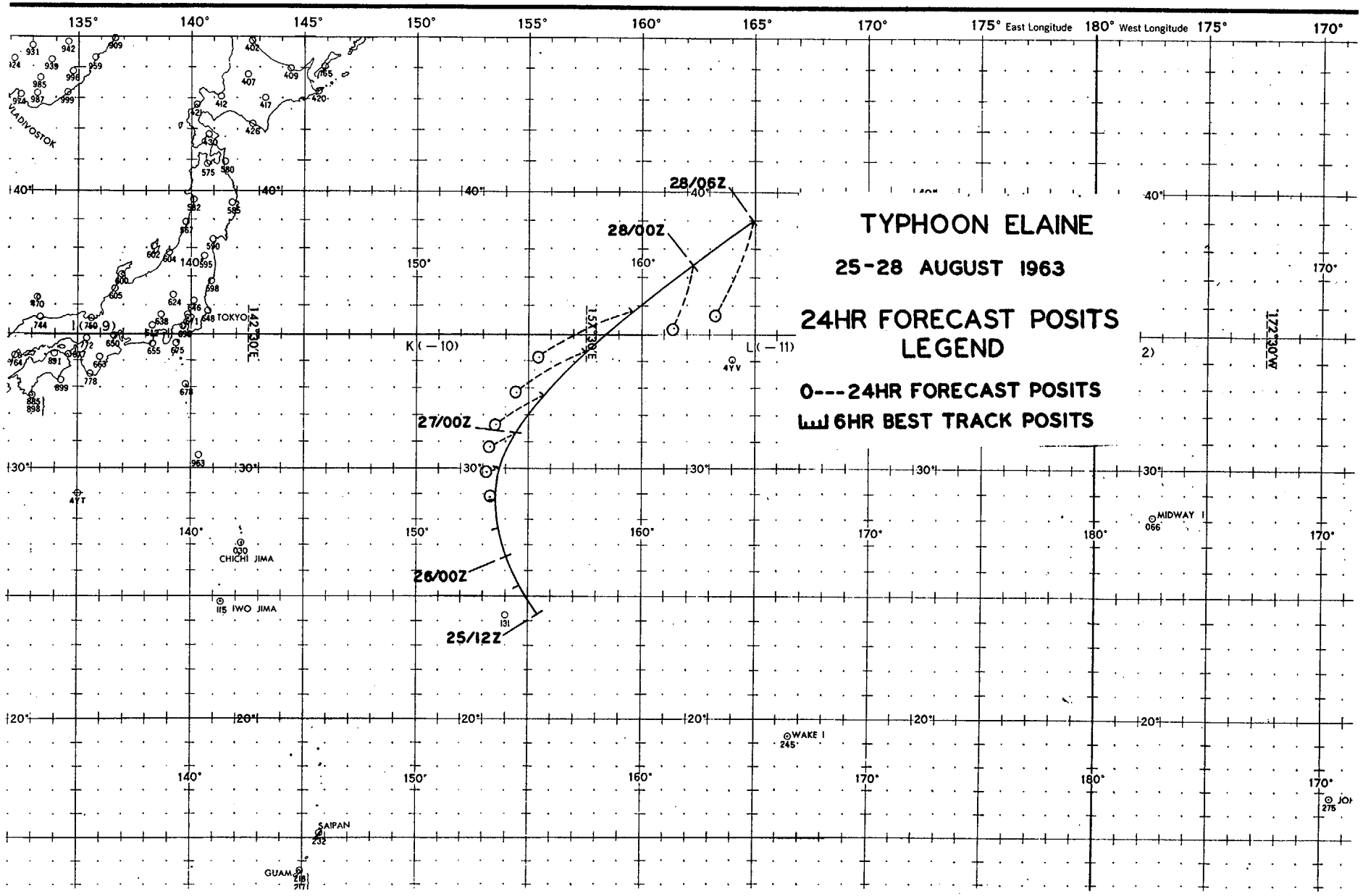
LAND RADAR AND AIRCRAFT FIXES - TYPHOON ELAINE

FIX NO/TIME	LAT.	LONG.	UNIT METHOD & ACCY	MAX SFC WND	MAX 700MB WND	MIN 700MB HGT	RECON MIN SLP MBS	JTWC MIN SLP *MBS	700MB T/Td (°C)	EYE CHARACTERISTICS
1 260950Z	28.4N	153.6E	VW1-P-03	45	-	2941	971	985	15/11	CIRC 42 MI DIA,OPEN W,WALL CLDS 8 MI THICK
2 262229Z	31.0N	154.2E	56-P-12	65	50	2792	968	968	13/12	WALL CLDS NW QUAD
3 270400Z	32.3N	155.4E	56-P-15	80	88	2768	-	967	12/12	EYE FILLED WITH NIMBUS-STRATUS CLDS

*Computed

TYPHOON ELAINE 25 AUG-28 AUG 1963
POSITION AND FORECAST VERIFICATION DATA

DTG	STORM POSITION LAT.	LONG	24 HOUR ERROR DEG. DISTANCE	48 HOUR ERROR DEG. DISTANCE
251200Z	24.3N	155.3E	------	------
251800Z	25.4N	154.6E	------	------
260000Z	26.5N	154.0E	------	------
260600Z	27.7N	153.7E	------	------
261200Z	28.9N	153.6E	255-17	------
261800Z	30.1N	153.8E	258-39	------
270000Z	31.3N	154.5E	245-73	------
270600Z	32.7N	155.9E	242-138	------
271200Z	34.3N	157.6E	243-182	------
271800Z	35.8N	159.7E	246-246	------
280000Z	37.3N	162.3E	204-135	250-210
280600Z	39.0N	165.0E	202-210	238-270

AVERAGE 24 HOUR ERROR 130 MI
AVERAGE 48 HOUR ERROR 240 MI

R PLOTTING CHART—WESTERN PACIFIC AREA