TYPHOON DELLA - 250000Z to 301200Z AUGUST

I. DATA

A. Statistics

1. Calendar days of tropical warning - 5 3/4
2. Calendar days of typhoon intensity - 4
3. Total distance traveled during tropical warning period - 1410 mi

B. Characteristics as a typhoon

1. Minimum observed SLP - 970mb, 252200Z
2. Minimum observed 700mb height - 2847m, 252200Z
3. Max radius of SFC circulation - 250 mi
4. Max surface winds - 100 kts

II. DEVELOPMENT

A. Initial impetus - Development and intensification of outdraft at 200 mb NE of surface vortex

B. Initial surface vortex

1. Embedded vortex at 230000Z
2. Surface pressure less than 1009 mb

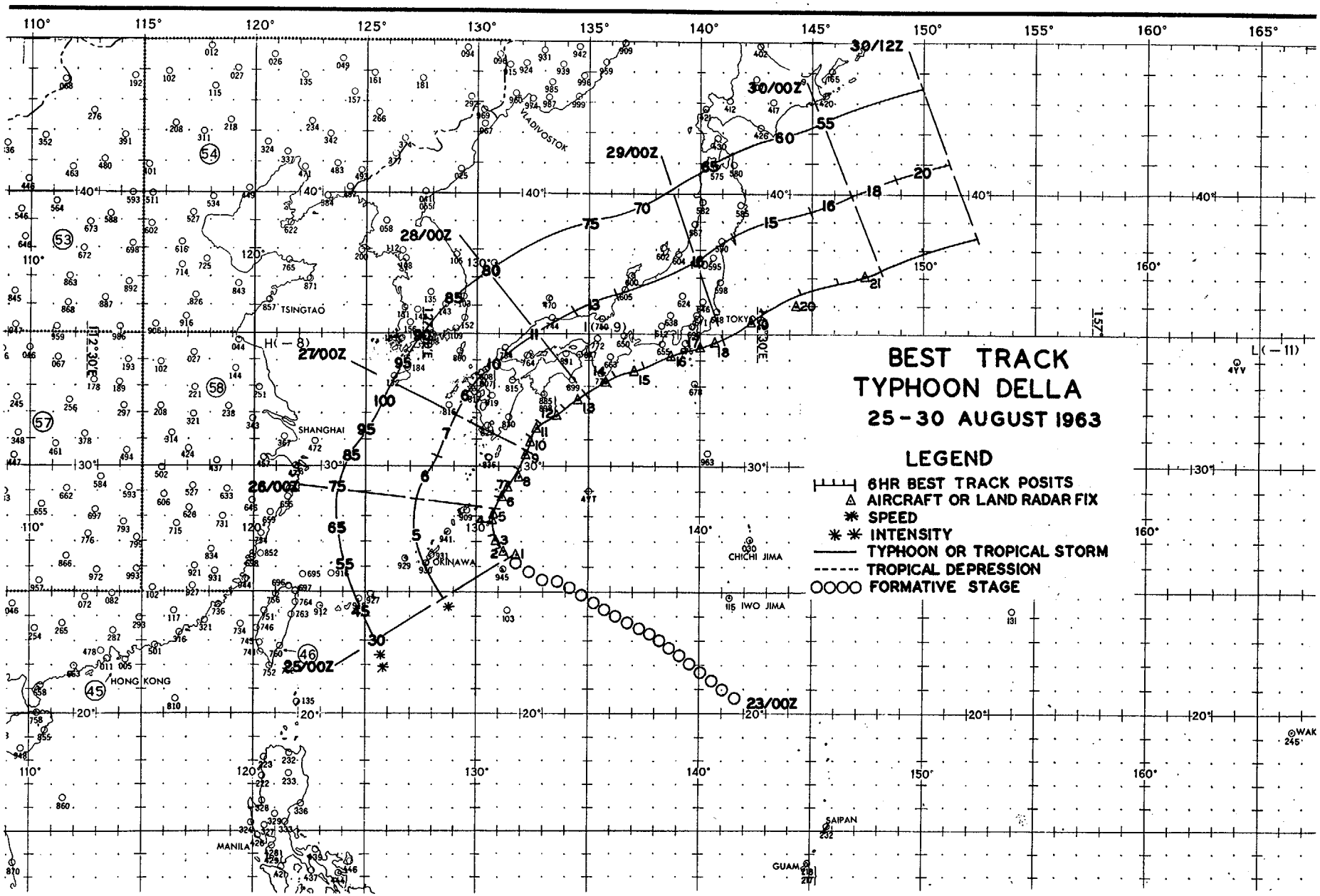
C. Zenith flow at 200mb

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

III. FINAL DISPOSITION

A. Became extratropical

TROPICAL WEATHER PLOTTING CHART—WESTERN PACIFIC AR



LAND RADAR AND AIRCRAFT FIXES - TYPHOON DELLA

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 242350Z	26.3N	131.8E	LND/RDR	-	-	-	-	-	- -	---
2 250351Z	26.6N	131.3E	UNK	32	-	-	-	-	- -	---
3 251030Z	27.1N	130.9E	LND/RDR	-	-	-	-	-	- -	TOPS 30000 FT
4 251600Z	27.8N	130.8E	LND/RDR	-	-	-	-	-	- -	---
5 252200Z	28.1N	130.9E	56-P-05	75	65	2847	970	970	22/15	ELLIP 13 MI N-S,10 MI E-W, OPEN NW SEMI
6 260400Z	28.7N	131.1E	56-P-01	70	90	2850	975	971	21/16	CIRC 25 MI DIA,WALL CLDS N-E-SE, 2 MI THICK
7 261000Z	29.2N	131.3E	VW1-R-03	-	-	-	-	-	- -	CIRC 10 MI DIA,OPEN SW
8 261530Z	29.6N	131.9E	VW1-R-03	-	-	-	-	-	- -	CIRC 11 MI DIA
9 262200Z	30.4N	132.1E	56-P-02	65	85	2929	969	979	22/15	CIRC 50 MI DIA,OPEN S
10 270400Z	30.9N	132.2E	56-P-02	65	62	2890	988	978	17/11	CIRC 12 MI DIA,OPEN S
11 270930Z	31.3N	132.7E	VW1-P-03	75	-	-	979	-	- -	CIRC 25 MI DIA,OPEN W, 50 KT WIND BAND 26 MI FROM EYE
12 271530Z	31.8N	133.6E	VW1-R-03	-	-	-	-	-	- -	CIRC 23 MI DIA,OPEN SW
13 272158Z	32.5N	134.7E	56-P-01	75	-	-	-	-	- -	CIRC 35 MI DIA,CLSD WALL CLDS 10 MI THICK
14 280400Z	33.1N	135.6E	56-P-01	80	-	-	-	-	- -	CIRC 33 MI DIA,CLSD WALL CLDS 5 MI THICK,GEOG CNTR 3 MI W OF PRESSURE CNTR

*Computed

LAND RADAR AND AIRCRAFT FIXES - TYPHOON DELLA (CONT'D)

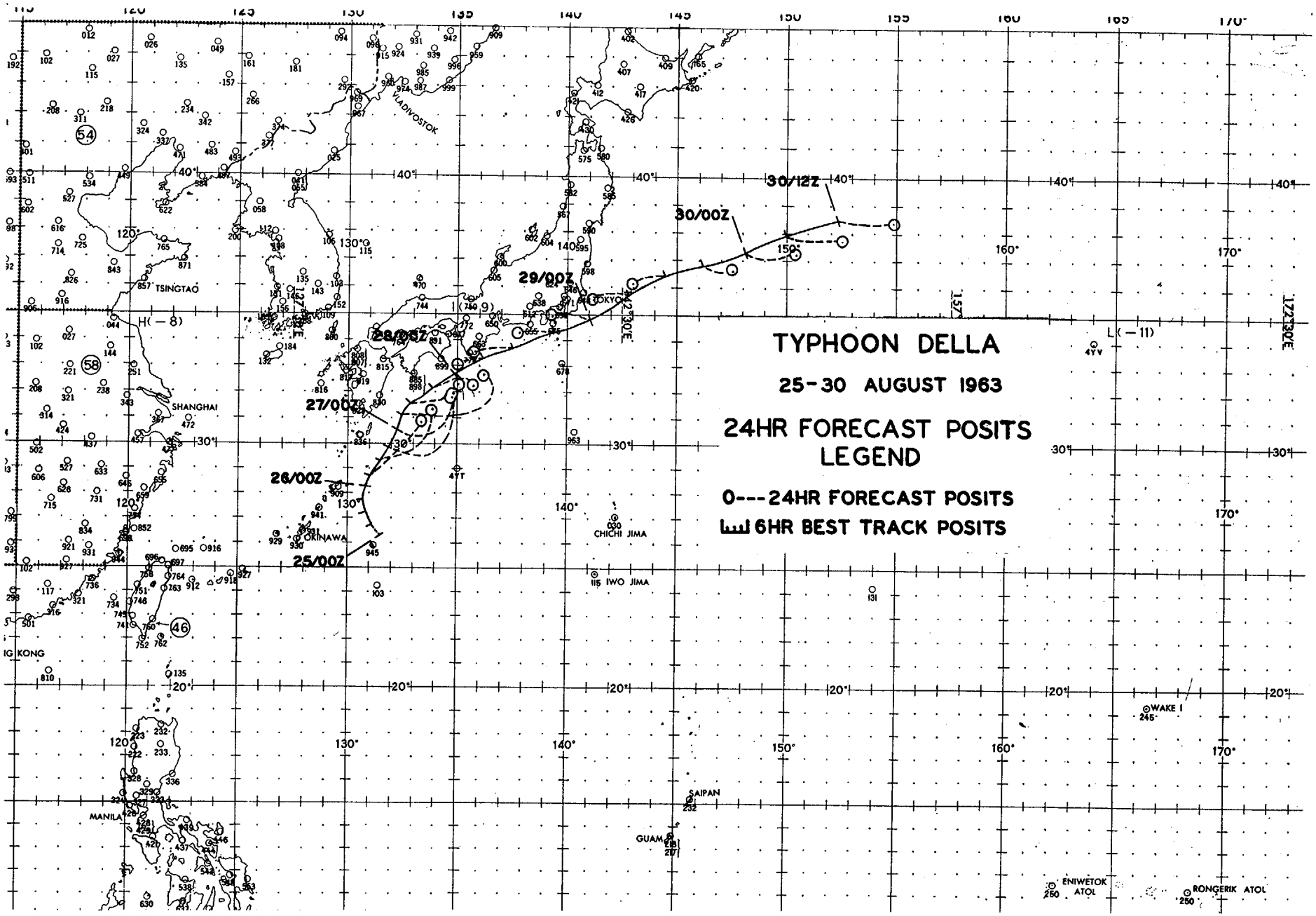
FIX NO/TIME	LAT.	LONG.	UNIT METHOD & ACCY	MAX SFC WND	MAX 700MB WND	MIN 700MB HGT	RECON MIN SLP MBS	JTWC MIN SLP *MBS	700MB T/Td (°C)	EYE CHARACTERISTICS
15 281000Z	33.6N	137.0E	VW1-R-03	-	-	-	-	-	- -	CIRC 21 MI DIA
16 281530Z	34.2N	138.6E	VW1-R-03	-	-	-	-	-	- -	CIRC 32 MI DIA,WEAKENING
17 282030Z	34.5N	140.0E	LND/RDR	-	-	-	-	-	- -	---
18 282210Z	34.7N	140.6E	56-P-01	50	-	-	972	-	- -	CIRC 12 MI DIA,OPEN E
19 290400Z	35.4N	142.2E	56-P-01	90	60	2862	976	978	10/10	OVAL 12 MI E-W,8 MI N-S,WALL CLDS NW-NE, EYE FILLING
20 290930Z	36.0N	144.2E	VW1-P-15	50	-	-	981	-	- -	CIRC 32 MI DIA,POOR RDR PRES
21 292200Z	37.1N	147.3E	56-P-02	120	-	3002	988	992	16/10	NO EYE,WALL CLDS OR SPIRAL BANDS

*Computed

TYPHOON DELLA 25 AUG-30 AUG 1963
POSITION AND FORECAST VERIFICATION DATA

DTG	STORM POSITION LAT.	LONG.	24 HOUR ERROR DEG. DISTANCE	48 HOUR ERROR DEG. DISTANCE
250000Z	26.4N	131.4E	------	------
250600Z	26.8N	131.1E	------	------
251200Z	27.3N	130.9E	------	------
251800Z	27.8N	130.8E	------	------
260000Z	28.3N	130.9E	------	------
260600Z	28.8N	131.1E	043-161	------
261200Z	29.3N	131.5E	046-167	------
261800Z	29.9N	131.9E	053-187	------
270000Z	30.6N	132.2E	061-156	------
270600Z	31.1N	132.4E	066-209	------
271200Z	31.5N	132.9E	073-97	------
271800Z	32.1N	133.9E	082-94	------
280000Z	32.8N	134.9E	169-26	067-454
280600Z	33.3N	136.1E	259-55	073-524
281200Z	33.8N	137.4E	261-87	076-214
281800Z	34.3N	139.3E	272-72	076-160
290000Z	34.8N	141.0E	273-84	246-126
290600Z	35.7N	142.7E	262-78	257-134
291200Z	36.4N	144.5E	259-73	255-133
291800Z	36.8N	146.1E	095-70	256-92
300000Z	37.3N	148.0E	092-111	252-110
300600Z	37.9N	150.0E	096-120	239-143
301200Z	38.6N	152.3E	196-120	222-144

AVERAGE 24 HOUR ERROR 109 MI
AVERAGE 48 HOUR ERROR 203 MI


TYPHOON DELLA
25-30 AUGUST 1963
24HR FORECAST POSITS
LEGEND
0---24HR FORECAST POSITS
6HR BEST TRACK POSITS
25/00Z
26/00Z
27/00Z
28/00Z
29/00Z
30/00Z
30/12Z
VLADIVOSTOK
TSINGTAO
SHANGHAI
TOKYO
OKINAWA
CHICHI JIMA
IWO JIMA
HONG KONG
MANILA
SAIPAN
GUAM
WAKE I
ENIWETOK ATOL
RONGERIK ATOL
H(-8)
I(+9)
L(-11)