TYPHOON DELLA - 130000Z TO 191800Z OCTOBER

I. DATA

A. Statistics

1. Number of warnings issued - 28
2. Number of warnings with typhoon intensity - 20
3. Total distance traveled during tropical warning period - 2100 mi

B. Characteristics as a typhoon

1. Minimum observed SLP - 970mbs at 171430Z
2. Minimum observed 700mb height - 2850m. at 162055Z
3. Maximum surface wind - 85 kts (From Best Track)
4. Maximum radius of surface circulation - 900 mi

II. DEVELOPMENT

A. Initial impetus - A small anticyclone at 200mb drifted over the junction vortex. The system developed by diverting the low level Southern Hemisphere inflow from T. D. 36.

B. Initial surface vortex

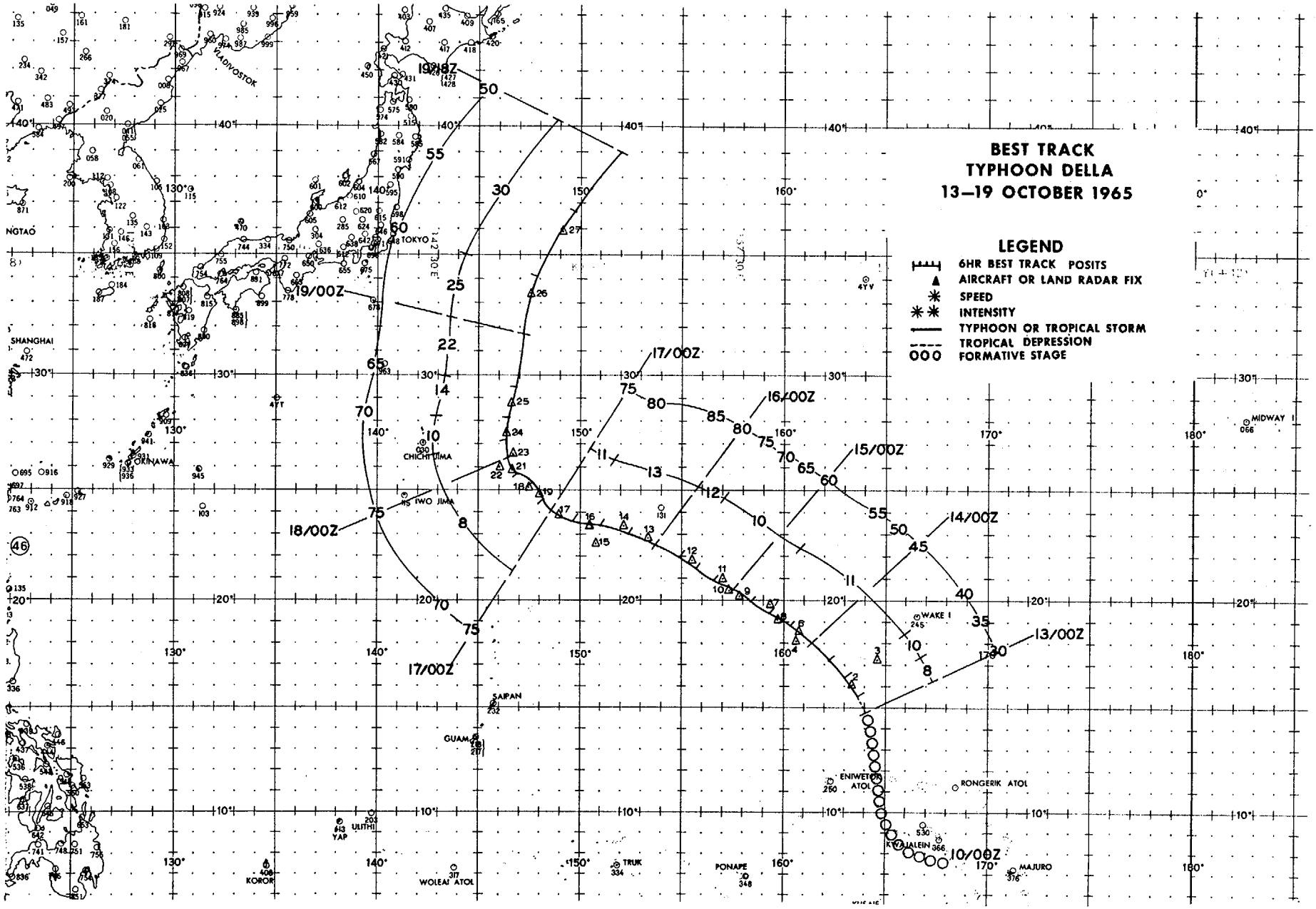
1. Junction vortex at 100000Z
2. Surface pressure less than 1008mbs

C. 200mb flow above surface vortex

1. Initial - center of small anticyclone
2. Upon reaching typhoon intensity - south quad of anticyclone

III. FINAL DISPOSITION

A. Became extratropical


BEST TRACK
TYPHOON DELLA
13–19 OCTOBER 1965
LEGEND
6HR BEST TRACK POSITS
AIRCRAFT OR LAND RADAR FIX
SPEED
INTENSITY
TYPHOON OR TROPICAL STORM
TROPICAL DEPRESSION
FORMATIVE STAGE
VLADIVOSTOK
TOKYO
SHANGHAI
OKINAWA
CHICHI JIMA
IWO JIMA
SAIPAN
GUAM
YAP
ULITHI
KOROR
WOLEAI ATOL
TRUK
PONAPE
ENIWETOK ATOL
RONGERIK ATOL
KWAJALEIN
MAJURO
WAKE I
MIDWAY I
19/18Z
19/00Z
18/00Z
17/00Z
16/00Z
15/00Z
14/00Z
13/00Z
10/00Z

EYE FIXES TYPHOON DELLA

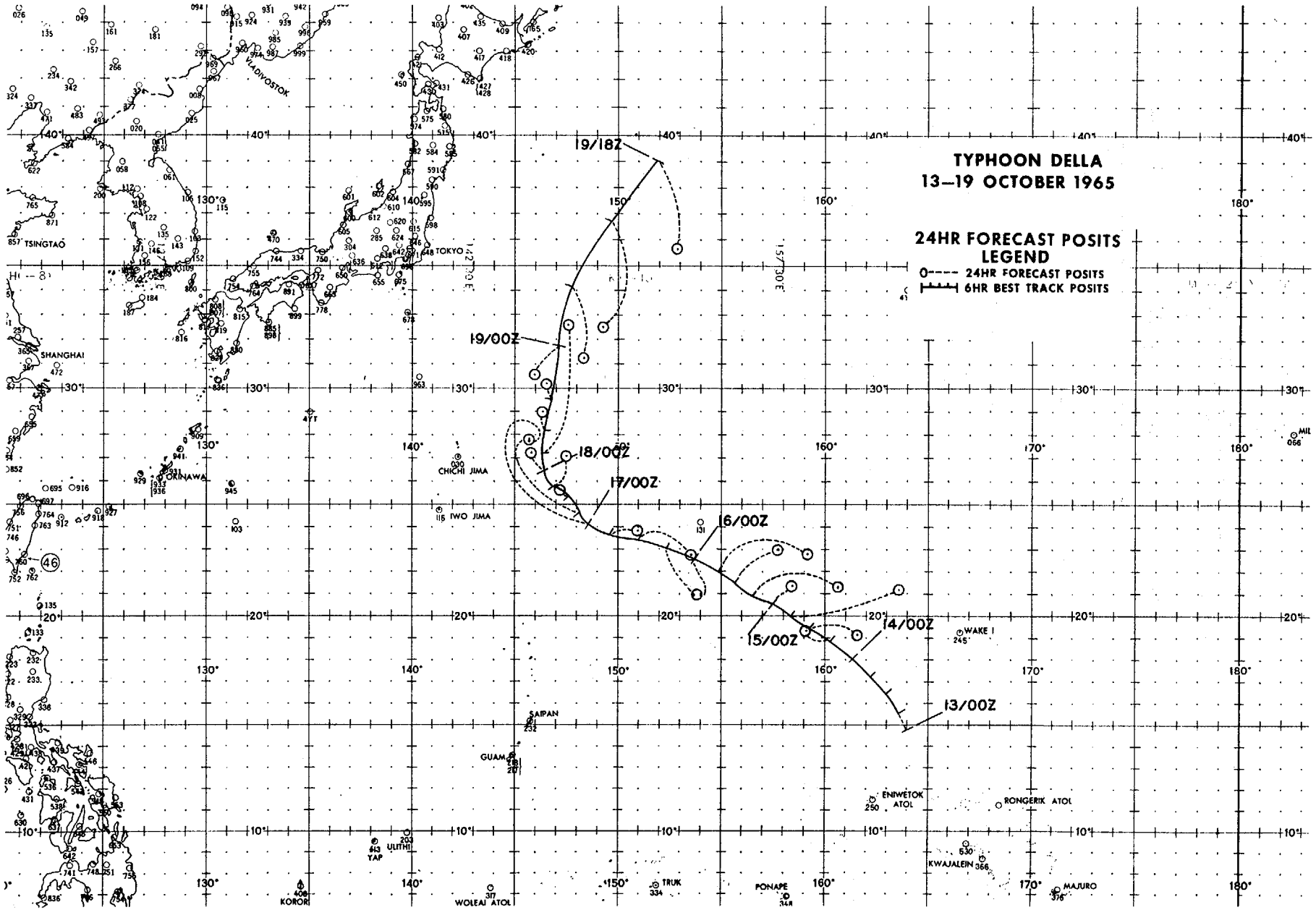
FIX NO.	TIME	POSIT	UNIT-METHOD -ACCY	FLT LVL	FLT LVL WND	OBS SFC WND	OBS MIN SLP	MIN 700MB HGT	FLT LVL TT/TD	REMARKS
1	122345Z	16.1N 163.2E	54-P-U	700mb	--	--	---	3100	11/--	ESTIMATED FROM RECON
2	130850Z	16.1N 163.3E	VW1-P-P5	1100ft	--	--	995	---	23/19	CNTR ILL DEFINED. FDR BNDS FORMING E THRU W
3	131510Z	17.3N 164.6E	VW1-R-P3	1380ft	--	35	998	---	23/16	EYE CIRC 7 MI DIA
4	132220Z	18.1N 160.6E	54-P-P3	1500ft	--	45	996	---	25/--	CNTR INDISTINCT. WX BNDS CIRCLE AREA
5	132309Z	18.1N 160.6E	SB123 ACFT	16000ft	--	--	---	---	--/--	PILOT RPTD EYE FILLED WITH THIN CLDS
6	140300Z	18.4N 160.8E	54-P-P3	1500ft	--	50	992	3048	26/--	CNTR INDISTINCT. MAX WND AND WX 360/230 MI FM CNTR
7	140915Z	19.8N 159.3E	VW1-P-P3	1200ft	22	--	990	---	25/21	HOOK EYE SHAPE 25 MI DIA WX FDR BND 150 MI NE TO 100 MI W TO 50 MI SE
8	141445Z	19.1N 159.7E	VW1-P-P3	1100ft	--	--	988	---	25/23	EYE CIRC 4 MI DIA. WALL CLDS ALL QUADS TO 40000 FT
9	142100Z	20.2N 157.8E	54-P-P2	700mb	--	60	987	2999	15/--	CNTR INDISTINCT. MAX SFC WND 060/150 MI FM CNTR
10	150300Z	20.4N 157.3E	54-P-P4	700mb	--	75	980	2932	16/--	CNTR INDEFINITE. MAX SFC WND 050/80 MI FM CNTR
11	150915Z	21.0N 157.0E	VW1-P-P5	1150ft	--	--	984	---	25/21	NO RDR EYE. WEAK FDR BNDS ALL QUADS
12	151445Z	21.8N 155.4E	VW1-P-P3	1110ft	--	--	979	---	26/23	NO RDR CNTR

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
13	152245Z	22.8N 153.3E	54-P-F10	700mb	80	50	982	2920	17/--	CNTR 40 MI DIA
14	160312Z	23.3N 152.1E	54-P-P10	700mb	80	90	977	2880	16/--	CNTR LARGE AREA LGT WNDS MAX SFC WND 180/140 MI FM CNTR
15	160855Z	22.6N 150.8E	VW1-P-P5	950mb	60	40	971	---	25/18	CNTR DISORGANIZED. PSBL RDR CNTR 037/7 MI
16	161445Z	23.4N 150.4E	VW1-P-P10	950mb	--	45	971	---	25/20	CNTR ELIP NW-SE 40 X 25 MI
17	162055Z	23.9N 148.9E	54-P-P5	700mb	65	65	971	2850	17/--	CNTR CIRC 30 MI DIA
18	170243Z	25.2N 147.4E	54-P-P5	700mb	65	65	973	2865	17/--	CNTR OVAL N-S 40 X 80 MI
19	170830Z	24.8N 148.0E	VW1-P-P5	800ft	70	65	963	---	--/--	CNTR CIRC 40 MI DIA MAX SFC WNDS 40-90 MI SW QUAD
20	171430Z	25.3N 147.4E	VW1-P-P5	1500ft	--	--	970	2945	25/22	CNTR CIRC 11 MI DIA. NO FDR BNDS
21	172120Z	25.9N 146.6E	54-P-F15	700mb	--	100	978	2923	16/--	CNTR CIRC 6 MI DIA
22	180133Z	26.0N 146.0E	TIROS	--	--	--	---	---	--/--	STAGE X, DIA 5, BNDS 3
23	180250Z	26.6N 146.6E	54-P-P10	700mb	75	90	980	2944	16/--	NO RDR PICTURE
24	180910Z	27.5N 146.3E	VW1-P-P3	244m	46	45	976	---	25/--	CNTR CIRC 5 MI DIA
25	181450Z	28.8N 146.6E	VW1-P-P5	952mb	--	--	976	2929	25/--	CNTR CIRC 7 MI DIA
26	190355Z	33.4N 147.5E	54-P-P3	700mb	--	65	982	2896	15/--	CNTR INDEFINITE
27	191030Z	36.0N 149.1E	VW1-P-P10	955mb	54	--	995	---	23/20	CNTR CIRC 8 MI DIA

TYPHOON DELLA 13 OCT-19 OCT 1965
POSITION AND FORECAST VERIFICATION DATA

DTG	STORM POSITION LAT.	LONG.	24 HOUR ERROR DEG. DISTANCE	48 HOUR ERROR DEG. DISTANCE
130000Z	14.8N	164.0E	------	------
130600Z	15.6N	163.6E	------	------
131200Z	16.4N	163.0E	------	------
131800Z	17.2N	162.2E	------	------
140000Z	18.0N	161.3E	------	------
140600Z	18.8N	160.3E	296-73	------
141200Z	19.4N	159.3E	97-125	------
141800Z	20.0N	158.3E	76-308	------
150000Z	20.4N	157.4E	45-77	------
150600Z	20.9N	156.5E	84-208	------
151200Z	21.5N	155.7E	51-142	------
151800Z	22.0N	154.9E	80-247	68-408
160000Z	22.5N	153.7E	170-103	56-276
160600Z	23.0N	152.3E	149-146	78-456
161200Z	23.4N	151.0E	104-144	61-447
161800Z	23.6N	149.6E	81-77	75-648
170000Z	24.1N	148.6E	324-273	145-192
170600Z	24.6N	148.1E	326-230	156-196
171200Z	25.3N	147.6E	317-28	115-170
171800Z	25.7N	146.8E	23-91	60-37
180000Z	26.4N	146.4E	324-58	19-517
180600Z	27.2N	146.3E	11-342	17-383
181200Z	28.2N	146.4E	358-47	292-50
181800Z	29.5N	146.8E	335-38	43-87
190000Z	31.7N	147.2E	223-89	22-165
190600Z	34.2N	147.8E	172-177	50-521
191200Z	36.7N	149.7E	185-255	168-93
191800Z	39.0N	152.0E	168-212	140-66

AVERAGE 24 HOUR ERROR 152 MI
AVERAGE 48 HOUR ERROR 277 MI


TYPHOON DELLA
13–19 OCTOBER 1965
24HR FORECAST POSITS
LEGEND
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19/18Z
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VLADIVOSTOK
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TOKYO
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IWO JIMA
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YAP
ULITHI