

TYPHOON DORIS - 111200Z to 151200Z JULY

I. DATA

A. Statistics

1. Calendar days of tropical warning - $4\frac{1}{2}$
2. Calendar days of typhoon intensity - $1\frac{1}{2}$
3. Total distance traveled during tropical warning period - 1416 mi

B. Characteristics as a typhoon

1. Minimum observed SLP - 974mb, 132229Z
2. Minimum observed 700mb height - 2880m, 132229Z
3. Maximum surface wind - 80 kts
4. Max radius of surface circulation - 350 mi

II. DEVELOPMENT

A. Initial impetus - Fracture of MPT with increased divergence at 200mb

B. Initial surface vortex

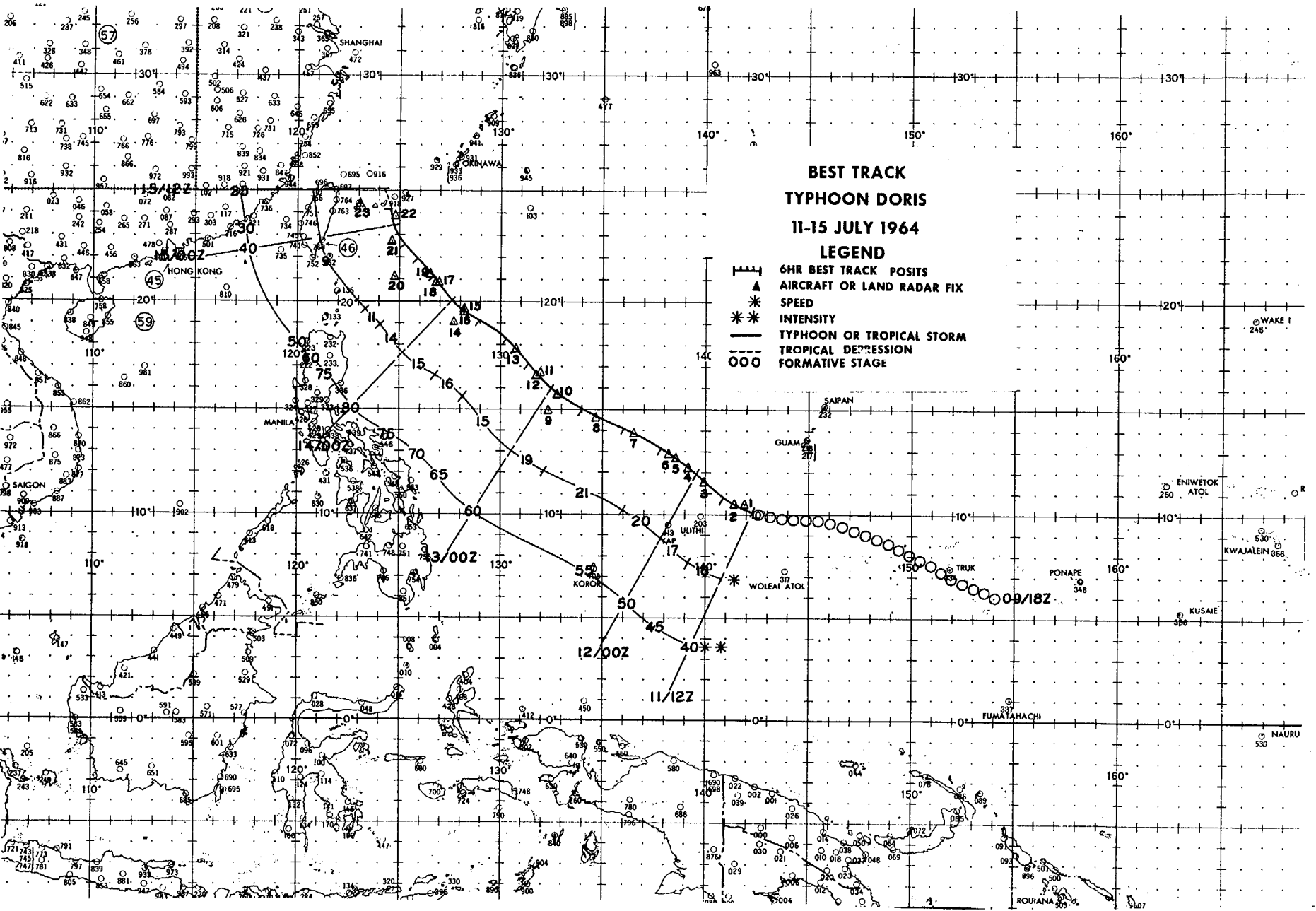
1. Junction vortex at 091800Z
2. Surface pressure less than 1008mb

C. 200mb flow above surface vortex

1. Initial - SE quad of anticyclone
2. Upon reaching typhoon intensity - SE quad of anticyclone

III. FINAL DISPOSITION

A. Dissipated over water



EYE FIXES TYPHOON DORIS

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	110945Z	10.4N 141.9E	VW1-R-U	----	--	--	---	---	--/--	CIRC 40 MI DIA SLD
2	111512Z	10.4N 141.5E	VW1-R-5	1500ft	--	--	---	---	--/--	CIRC 30 MI DIA WALL CLD 8 MI THICK S 4 MI THICK N
3	112225Z	11.5N 139.9E	54-R-5	30000ft	--	45	---	---	--/--	NO RADAR WALL CLDS
4	120200Z	12.3N 139.1E	56-P-3	700mb	40	45	1008	3109	12/9	CIRC 15 MI DIA OPEN E SEMI
5	120400Z	12.6N 138.6E	56-P-2	700mb	40	50	1004	3103	10/10	CIRC 10 MI DIA OPEN E SEMI
6	120400Z	12.9N 138.3E	54-R-0	30000ft	--	40	---	---	--/--	CIRC 20 MI DIA OPEN NE SEMI
7	120955Z	13.9N 136.5E	VW1-P-3	1500ft	--	50	1003	---	26/22	CIRC 30 MI DIA OPEN N SEMI WALL CLD 8 MI THICK TOPS 40000+
8	121538Z	14.7N 134.7E	VW1-R-10	1500ft	--	--	---	---	--/--	CNTR ILL DEFINED WEAK WALL CLD SW QUAD ONLY
9	122200Z	15.0N 132.3E	56-P-2	688mb	40	50	1009	3109	7/7	CIRC 15 MI DIA OPEN S
10	122206Z	15.8N 132.7E	54-R-10	33000ft	--	--	---	---	--/--	CIRC 23 MI DIA CLD
11	130330Z	16.6N 132.0E	56-P-3	687mb	45	65	998	3097	15/12	CIRC 30 MI DIA OPEN N
12	130350Z	16.5N 131.7E	54-R-10	30000ft	--	60	---	---	--/--	15 MI DIA OPEN N & E
13	131010Z	17.9N 130.7E	VW1-P-10	1500ft	--	50	995	---	--/--	NO DEFINABLE EYE
14	131543Z	19.2N 127.6E	VW1-P-5	10600ft	60	--	---	3121	7/5	NO EYE MOD TO OCNLY SVR TURB

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FLX 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
15	132200Z	19.8N 127.9E	54-V-3	30000ft	--	100+	----	----	--/--	ELLIP 10 MI DIA OPEN N EYE SHAPE CHANGING RAPIDLY
16	132229Z	19.7N 127.9E	56-P-3	700mb	40	65	974	2880	16/10	CIRC ILL DEFINED
17	140345Z	20.8N 126.9E	56-P-3	700mb	30	75	995	3072	17/11	CIRC 10 MI DIA OPEN N THRU E
18	140400Z	20.8N 126.8E	54-V-5	30000ft	--	85	----	----	--/--	OVAL 40 MI NW/SE 30 MI NE/SW OPEN NE SEMI
19	140930Z	21.2N 126.5E	VW1-P-10	1000ft	--	40	996	----	--/--	NO RADAR PRESENTATION
20	141513Z	21.2N 124.8E	VW1-P-2	10400ft	60	--	----	3121	11/--	OVAL 10 MI DIA MOD TO STRONG WALL CLDS
21	142228Z	22.8N 124.6E	56-P-2	693mb	22	25	1011	3191	13/12	ILL DEFINED OPEN N THRU E
22	150400Z	23.9N 124.8E	56-P-2	683mb	30	30	999	3121	18/14	CIRC 50 MI DIA OPEN NE SEMI
23	151000Z	24.4N 123.0E	VW1-R-10	1500ft	--	--	----	----	--/--	CNTR BRKN STRONG RADAR ECHOES E & W

TYPHOON DORIS 11 JUL-15 JUL 1964
 POSITION AND FORECAST VERIFICATION DATA

DTG	STORM POSITION		24 HOUR ERROR		48 HOUR ERROR	
	LAT.	LONG.	DEG.	DISTANCE	DEG.	DISTANCE
111200Z	10.1N	142.3E	-----		-----	
111800Z	10.8N	140.8E	-----		-----	
120000Z	11.9N	139.4E	-----		-----	
120600Z	13.2N	137.9E	-----		-----	
121200Z	14.2N	136.0E		169-137	-----	
121800Z	15.0N	134.1E		149-203	-----	
130000Z	15.9N	132.4E		148-230	-----	
130600Z	17.0N	131.3E		127-150	-----	
131200Z	18.3N	130.3E		217-97		169-304
131800Z	19.2N	129.0E		219-137		164-361
140000Z	20.0N	127.6E		228-162		164-375
140600Z	21.1N	126.6E		189-156		158-242
141200Z	21.9N	125.8E		194-84		219-230
141800Z	22.6N	125.2E		217-121		228-268
150000Z	23.4N	124.7E		240-180		230-308
150600Z	24.2N	124.4E	-----		-----	
151200Z	25.1N	124.1E	-----		-----	

AVERAGE 24 HOUR ERROR 151 MI
 AVERAGE 48 HOUR ERROR 298 MI

