TYPHOON MARIE - 140600Z to 181800Z AUGUST

I. DATA

A. Statistics

1. Calendar days of tropical warning - 4 3/4
2. Calendar days of typhoon intensity - 1
3. Total distance traveled during tropical warning period - 1068 mi

B. Characteristics as a typhoon

1. Minimum observed SLP - 976mb, 172200Z
2. Minimum observed 700mb height - 2929m, 172200Z
3. Maximum surface wind - 70 kts
4. Max radius of surface circulation - 325 mi

II. DEVELOPMENT

A. Initial impetus - Moderate inflow at lower levels from outdraft centered S of initial vortex and strong divergent flow at 200mb

B. Initial surface vortex

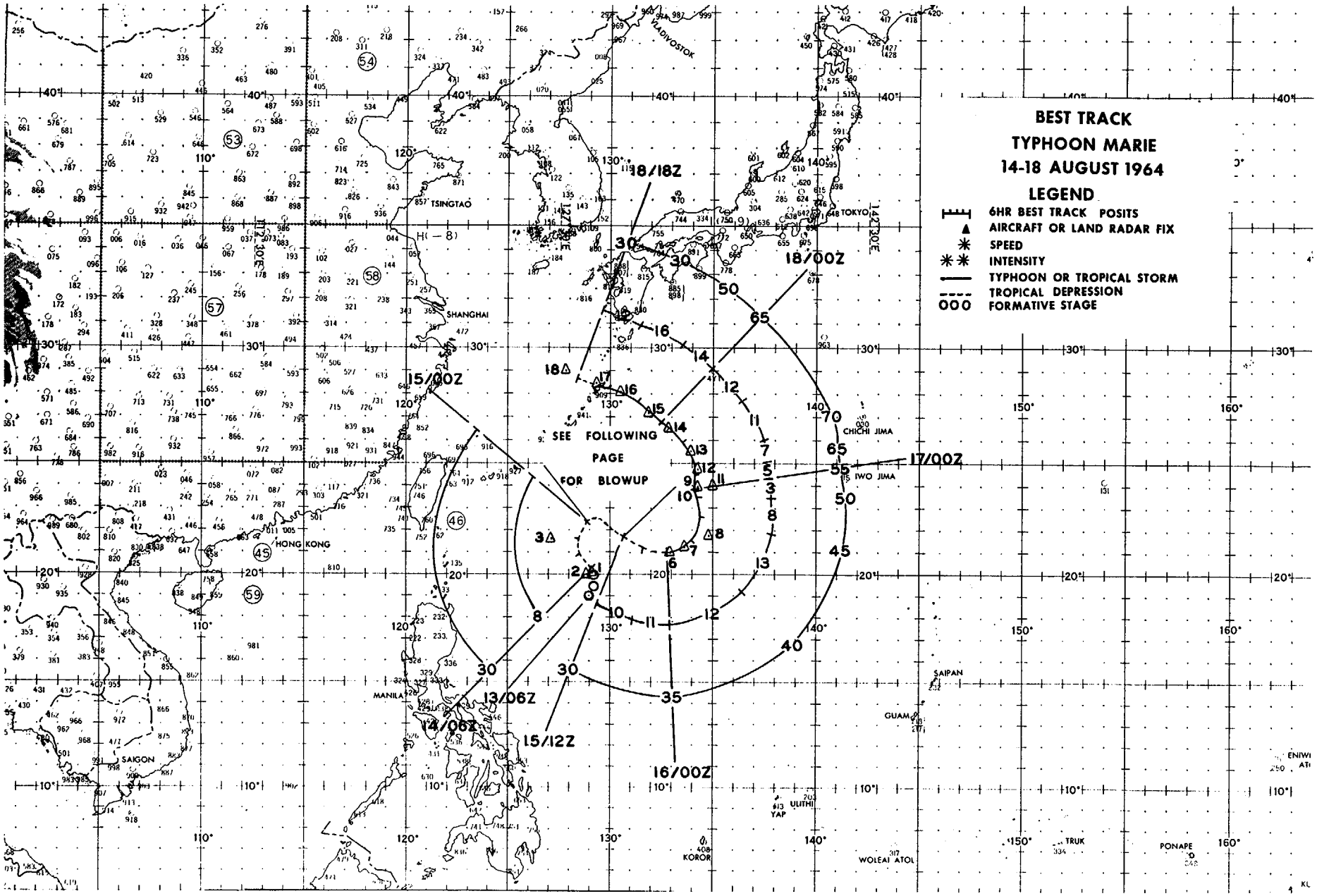
1. Junction vortex at 130600Z
2. Surface pressure less than 1004mb

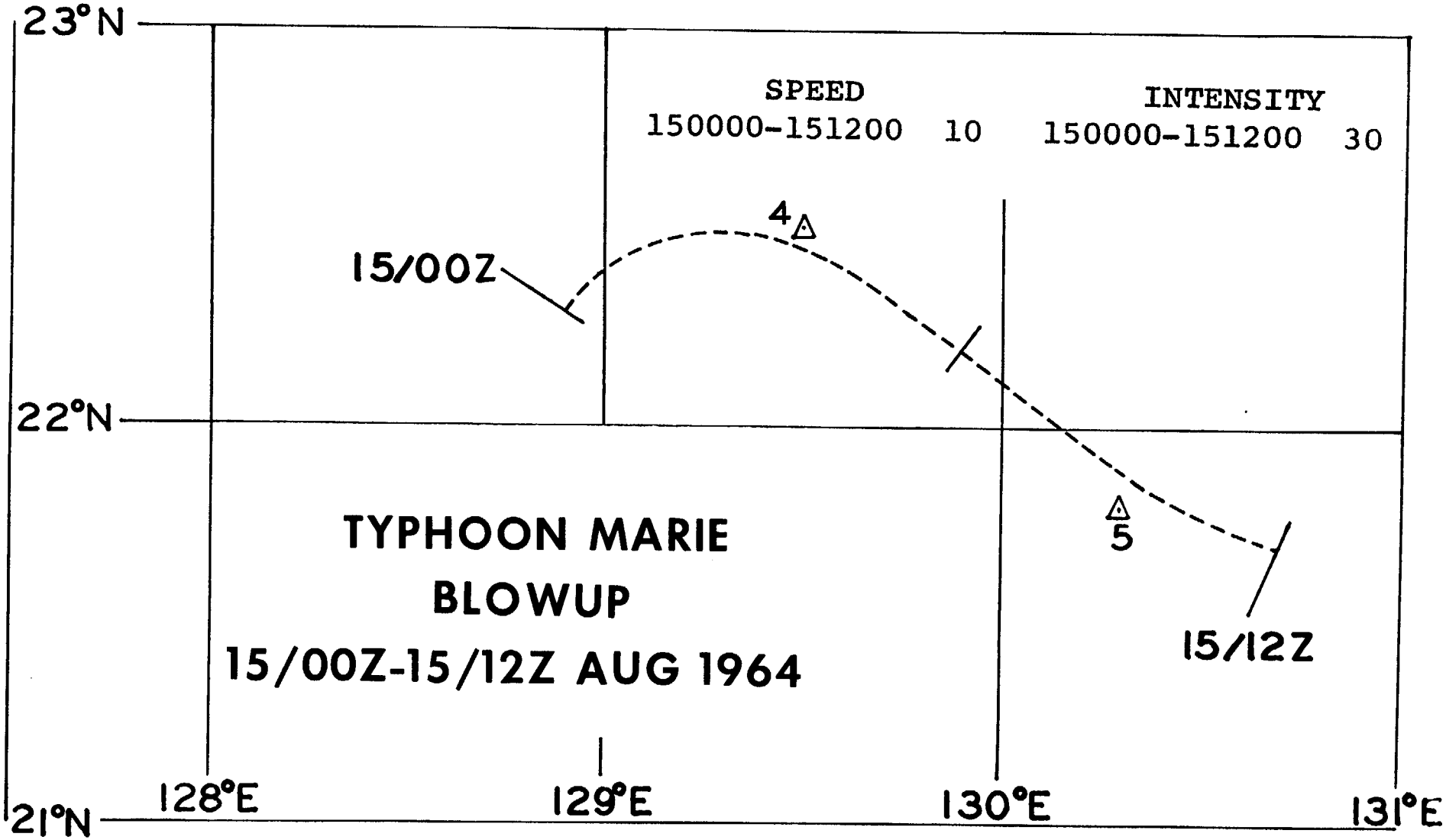
C. 200mb flow above surface vortex

1. Initial - West side of ridge oriented NNE-SSW
2. Upon reaching typhoon intensity - NW quadrant of anticyclone

III. FINAL DISPOSITION

A. Absorbed by circulation of Typhoon Kathy


BEST TRACK
TYPHOON MARIE
14-18 AUGUST 1964
LEGEND
6HR BEST TRACK POSITS
AIRCRAFT OR LAND RADAR FIX
SPEED
INTENSITY
TYPHOON OR TROPICAL STORM
TROPICAL DEPRESSION
FORMATIVE STAGE
SEE FOLLOWING PAGE FOR BLOWUP
VLADIVOSTOK
TSINGTAO
SHANGHAI
HONG KONG
MANILA
SAIGON
TOKYO
CHICHI JIMA
IWO JIMA
SAIPAN
GUAM
ULITHI
YAP
KOROR
WOLEAI ATOL
TRUK
PONAPE
18/18Z
18/00Z
17/00Z
16/00Z
15/12Z
15/00Z
14/06Z
13/06Z


23°N
22°N
21°N
128°E
129°E
130°E
131°E
SPEED
150000-151200 10
INTENSITY
150000-151200 30
15/00Z
4
5
15/12Z
TYPHOON MARIE
BLOWUP
15/00Z-15/12Z AUG 1964

EYE FIXES TYPHOON MARIE

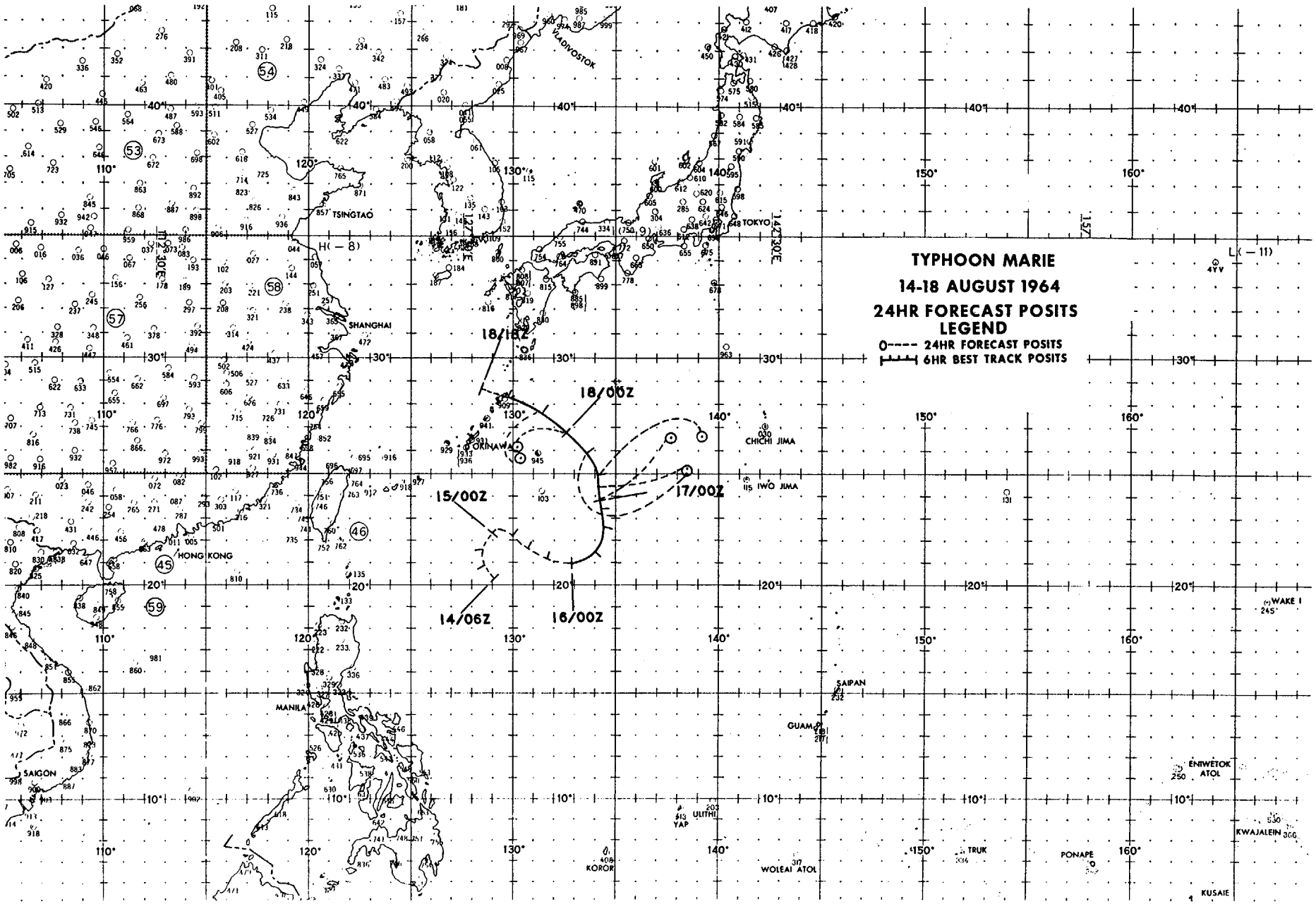
FIX NO.	TIME	POSIT	UNIT-METHOD-ACCY	FLT LVL	FLT LVL WND	OBS SFC WND	OBS MIN SLP	MIN 700MB HGT	FLT LVL TT/TD	REMARKS
1	140430Z	20.1N 129.2E	VW1-R-U	1500ft	--	35	---	---	--/--	50 MI DIA E/W 45 MI DIA N/S
2	141700Z	20.0N 128.8E	VW1-R-15	10000ft	--	--	---	---	--/--	CIRC 22 MI DIA OPEN SW THRU NW POORLY DEFINED
3	142200Z	21.6N 127.1E	56-P-2	690mb	50	20	---	3088	12/12	POORLY DEFINED NO WALL CLDS
4	150330Z	22.5N 129.5E	56-P-3	690mb	20	30	---	3069	13/13	ILL DEFINED MULTIPLE CNTRS
5	150830Z	21.8N 130.3E	VW1-P-U	700mb	--	25	---	3158	24/17	CIRC 17 MI DIA NEG WALL CLDS
6	160037Z	21.0N 132.9E	56-P-10	711mb	23	28	998	3036	8/8	NEG WALL CLDS
7	160345Z	21.3N 133.6E	56-P-10	713mb	28	40	995	3021	8/8	NEG WALL CLDS
8	161500Z	21.7N 134.8E	VW1-R-15	1500ft	--	--	---	---	--/--	POORLY DEFINED
9	162200Z	23.9N 134.3E	56-P-3	672mb	35	35	991	3002	23/12	CIRC 20 MI DIA WALL CLDS W & S
10	170300Z	23.8N 134.3E	56-P-3	669mb	40	55	980	2990	15/13	CIRC 45 MI DIA OPEN E WALL CLDS BUILDING RAPIDLY
11	170500Z	24.0N 135.0E	TIROS	---	--	--	---	---	--/--	CRESCENT SHAPED
12	171000Z	24.7N 134.3E	VW1-P-5	650ft	--	70	981	---	29/--	CIRC 31 MI DIA OPEN N WALL CLD 12 MI THICK
13	171530Z	25.5N 133.9E	VW1-R-5	9000ft	--	--	---	---	--/--	ILL DEFINED OPEN NW
14	172200Z	26.5N 132.8E	56-P-2	700mb	50	70	976	2929	17/11	NEG WALL CLDS
15	180348Z	27.2N 131.9E	56-P-2	700mb	60	75	985	2938	17/10	NEG WALL CLDS

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
16	181100Z	28.1N 130.4E	VW1-R-10	1500ft	--	--	---	---	--/--	
17	181400Z	28.4N 129.3E	VW1-R-15	1500ft	--	--	---	---	--/--	ILL DEFINED
18	190040Z	29.0N 127.8E	LND/RDR	---	--	--	---	---	--/--	

TYPHOON MARIE 14 AUG-18 AUG 1964
POSITION AND FORECAST VERIFICATION DATA

DTG	STORM POSITION LAT.	LONG.	24 HOUR ERROR DEG.	DISTANCE	48 HOUR ERROR DEG.	DISTANCE
140600Z	20.3N	129.1E	------		------	
141200Z	20.9N	128.5E	------		------	
141800Z	21.7N	128.5E	------		------	
150000Z	22.3N	128.9E	------		------	
150600Z	22.2N	129.9E	------		------	
151200Z	21.7N	130.7E	------		------	
151800Z	21.2N	131.7E	------		------	
160000Z	21.0N	132.8E	------		------	
160600Z	21.5N	134.0E	------		------	
161200Z	22.7N	134.5E	------		------	
161800Z	23.5N	134.3E	------		------	
170000Z	23.8N	134.3E	049	260	------	
170600Z	24.3N	134.2E	076	240	------	
171200Z	25.0N	134.2E	070	285	------	
171800Z	25.9N	133.5E	101	270	------	
180000Z	26.7N	132.6E	254	138	045	380
180600Z	27.6N	131.3E	208	126	064	412
181200Z	28.3N	129.7E	------		------	
181800Z	28.7N	128.4E	------		------	

AVERAGE 24 HOUR ERROR 220 MI
AVERAGE 48 HOUR ERROR 396 MI


TYPHOON MARIE
14-18 AUGUST 1964
24HR FORECAST POSITS
LEGEND
0---- 24HR FORECAST POSITS
6HR BEST TRACK POSITS
18/18Z
18/00Z
17/00Z
16/00Z
15/00Z
14/06Z
VLADIVOSTOK
TSINGTAO
SHANGHAI
TOKYO
OKINAWA
CHICHI JIMA
IWO JIMA
HONG KONG
MANILA
SAIGON
SAIPAN
GUAM
YAP
ULITHI
KOROR
WOLEAI ATOL
TRUK
PONAPE
KUSAIE
ENIWETOK ATOL
KWAJALEIN
WAKE I
H(-8)
L(-11)