TYPHOON MARY - 150600Z TO 191200Z AUGUST

I. DATA

A. Statistics

1. Number of warnings issued - 18
2. Number of warnings with typhoon intensity - 14
3. Total distance traveled during tropical warning period - 1000 mi

B. Characteristics as a typhoon

1. Minimum observed SLP - 936mbs at 170310Z
2. Minimum observed 700mb height - 2560m. at 170310Z
3. Maximum surface wind - 150 kts (From Best Track)
4. Maximum radius of surface circulation - 600 mi

II. DEVELOPMENT

A. Initial impetus - Juxtaposition of Polar trough and easterly wave and subsequent fracture.

B. Initial surface vortex

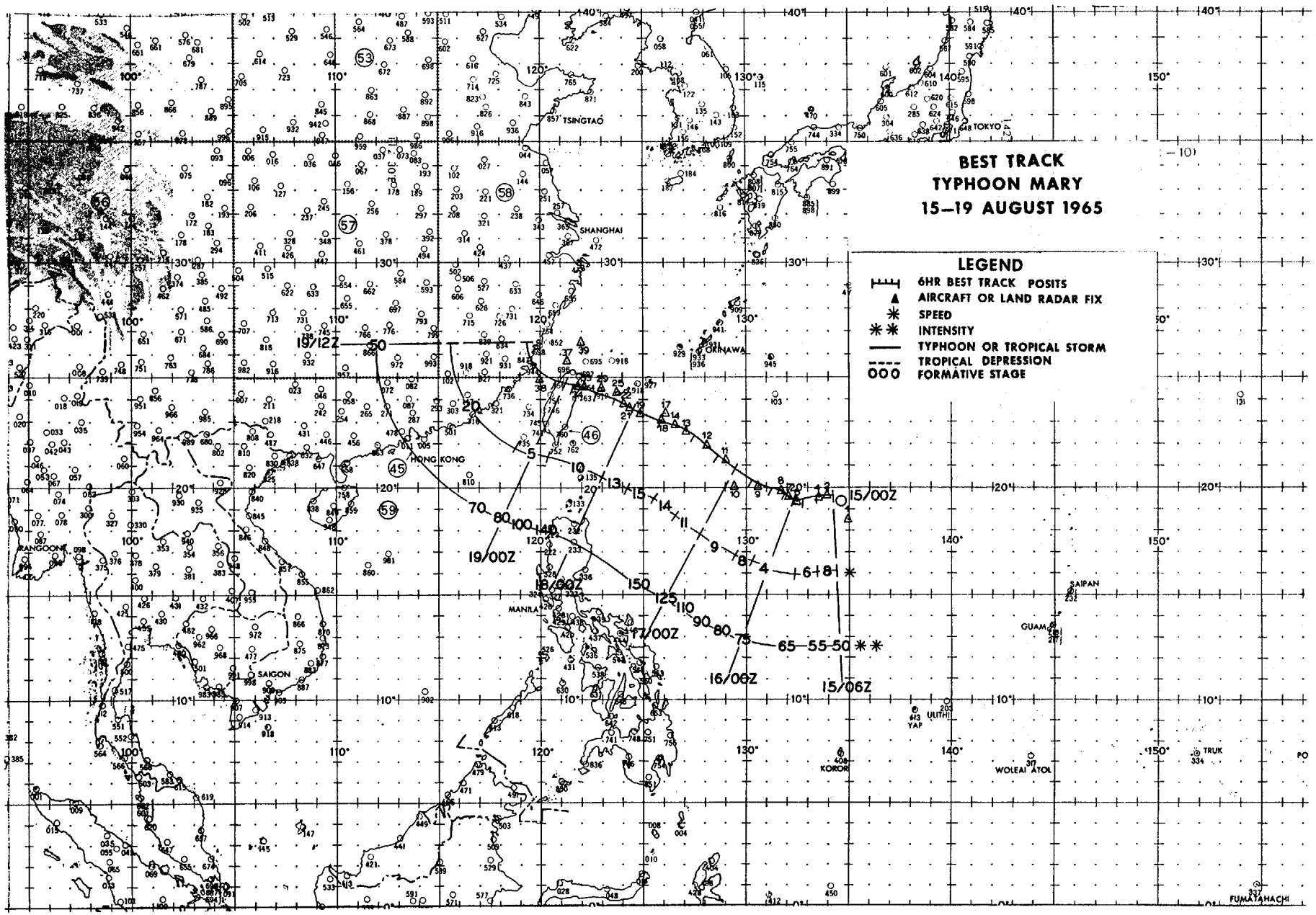
1. Embedded vortex at 150000Z
2. Surface pressure less than 1006mbs

C. 200mb flow above surface vortex

1. Initial - northeast
2. Upon reaching typhoon intensity - near center of anticyclone

III. FINAL DISPOSITION

A. Dissipated over land


BEST TRACK
TYPHOON MARY
15–19 AUGUST 1965
LEGEND
6HR BEST TRACK POSITS
AIRCRAFT OR LAND RADAR FIX
SPEED
INTENSITY
TYPHOON OR TROPICAL STORM
TROPICAL DEPRESSION
FORMATIVE STAGE
TSINGTAO
SHANGHAI
TOKYO
OKINAWA
HONG KONG
RANGOON
MANILA
SAIGON
SAIPAN
GUAM
YAP
ULITHI
KOROR
WOLEAI ATOL
TRUK
FUMATAHACHI
19/12Z
19/00Z
18/00Z
17/00Z
16/06Z
15/06Z
15/00Z

EYE FIXES TYPHOON MARY

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	150142Z	18.5N 135.0E	TIROS	--	--	--	--	---	--/--	STAGE X, DIA 3.5, BNDS 3 WELL DEVELOPED BNDG TO S
2	150745Z	19.6N 134.0E	VW1-P-P5	955mb	50	50	980	---	27/20	EYE CIRC 34 MI DIA SYSTEM HAS CLASSIC PRESENTATION
3	150845Z	19.6N 133.8E	VW1-R-P10	955mb	50	50	--	---	--/--	EYE CIRC 26 MI DIA EYE TIGHTENING
4	151000Z	19.5N 133.6E	VW1-R-10	1500ft	--	--	--	---	--/--	
5	151045Z	19.5N 133.5E	VW1-R-10	1500ft	--	--	--	---	--/--	
6	152255Z	19.3N 132.4E	54-P-P4	700mb	62	75	982	2920	18/--	EYE CIRC 15 MI DIA
7	160300Z	19.5N 132.1E	54-P-P4	700mb	65	80	965	2883	15/07	EYE CIRC 15 MI DIA
8	160845Z	19.8N 131.7E	VW1-P-P10	700mb	--	80	968	---	16/10	EYE CIRC 25 MI DIA CLASSIC FDR BNDS ALL QUADS
9	161445Z	20.0N 130.6E	VW1-R-P10	700mb	--	--	--	---	--/--	EYE CIRC 20 MI DIA FDR BNDS 250 MI NE-E-S STM APPEARS SLIGHTLY WKR
10	170223Z	20.0N 129.5E	TIROS	--	--	--	--	---	--/--	STAGE X, DIA 4, BNDS 4 EYE VSBL EST POSIT
11	170310Z	21.2N 129.0E	56-P-P2	700mb	120	150	936	2560	19/07	EYE CIRC 20 MI DIA RDR CNTR 360 DEG 05 MI FM SFC CNTR
12	170843Z	21.9N 128.1E	VW1-R-P2	900ft	--	90	--	---	--/--	EYE CIRC 10 MI DIA FDR BNDS ALL QUADS

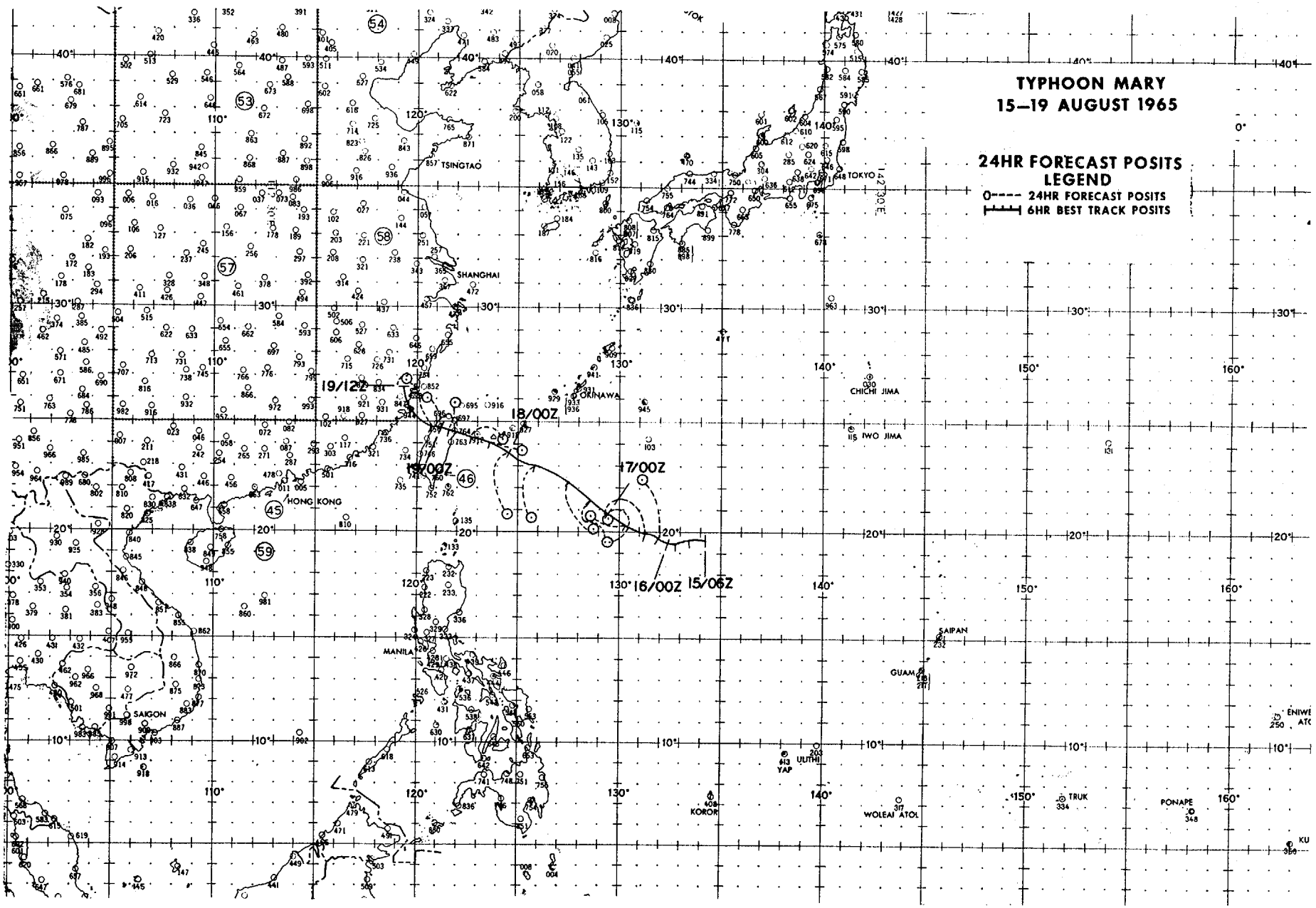
FIX NO.	TIME	POSIT	UNIT-METHOD -ACCY	FLT LVL	FLT LVL WND	OBS SFC WND	OBS MIN SLP	MIN 700MB HGT	FLT LVL TT/TD	REMARKS
13	171300Z	22.4N 127.1E	LND RDR	--	--	--	--	---	--/--	MIYAKO JIMA RDR
14	171445Z	22.8N 126.6E	VW1-R-P10	1300ft	65	65+	--	---	--/--	EYE CIRC 20 MI DIA STG FDR BNDS ALL QUADS
15	171500Z	22.6N 126.6E	LND RDR	--	--	--	--	---	--/--	MIYAKO JIMA RDR
16	171600Z	22.8N 126.4E	LND RDR	--	--	--	--	---	--/--	MIYAKO JIMA RDR
17	171800Z	23.3N 126.1E	LND RDR	--	--	--	--	---	--/--	MIYAKO JIMA RDR
18	171800Z	23.0N 125.9E	LND RDR	--	--	--	--	---	--/--	NAHA RDR
19	172000Z	23.3N 124.9E	LND RDR	--	--	--	--	---	--/--	MIYAKO JIMA RDR
20	180000Z	23.5N 124.8E	LND RDR	--	--	--	--	---	--/--	MIYAKO JIMA RDR
21	180050Z	23.5N 124.5E	LND RDR	--	--	--	--	---	--/--	MIYAKO JIMA RDR
22	180235Z	23.7N 124.2E	LND RDR	--	--	--	--	---	--/--	MIYAKO JIMA RDR
23	180355Z	23.8N 124.1E	LND RDR	--	--	--	--	---	--/--	MIYAKO JIMA RDR
24	180500Z	23.9N 124.1E	LND RDR	--	--	--	--	---	--/--	MIYAKO JIMA RDR
25	180800Z	24.2N 123.7E	LND RDR	--	--	--	--	---	--/--	MIYAKO JIMA RDR
26	180856Z	24.2N 123.6E	LND RDR	--	--	--	--	---	--/--	MIYAKO JIMA RDR
27	180958Z	24.2N 123.5E	LND RDR	--	--	--	--	---	--/--	MIYAKO JIMA RDR
28	181015Z	24.5N 123.0E	LND RDR	--	--	--	--	---	--/--	BIG LAKE RDR
29	181100Z	24.5N 123.0E	LND RDR	--	--	--	--	---	--/--	BIG LAKE RDR
30	181230Z	24.4N 122.8E	LND RDR	--	--	--	--	---	--/--	BIG LAKE RDR

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
31	181300Z	24.3N 122.8E	LND RDR	--	--	--	--	---	--/--	BIG LAKE RDR
32	181300Z	24.5N 122.9E	LND RDR	--	--	--	--	---	--/--	MIYAKO JIMA RDR
33	181500Z	24.5N 122.2E	LND RDR	--	--	--	--	---	--/--	SHIHMEN RDR
34	181530Z	24.6N 121.9E	LND RDR	--	--	--	--	---	--/--	MIYAKO JIMA RDR
35	181550Z	24.6N 122.1E	54-R-P2	700mb	--	--	--	---	--/--	EYE CIRC 13 MI DIA
36	181600Z	24.5N 121.9E	LND RDR	--	--	--	--	---	--/--	SHIHMEN RDR
37	182100Z	25.7N 121.4E	54-R-P2	700mb	--	--	--	---	--/--	EYE OVAL 15 X 25 MI WALL CLDS WK ALL QUADS
38	182300Z	24.8N 120.0E	LND RDR	--	--	--	--	---	--/--	MAKUNG RDR
39	190354Z	26.5N 122.0E	TIROS	--	--	--	--	---	--/--	STAGE X, DIA 7, BNDS 3

TYPHOON MARY 15 AUG-19 AUG 1965
POSITION AND FORECAST VERIFICATION DATA

DTG	STORM POSITION LAT.	LONG.	24 HOUR ERROR DEG. DISTANCE	48 HOUR ERROR DEG. DISTANCE
150600Z	19.5N	134.3E	------	------
151200Z	19.5N	133.4E	------	------
151800Z	19.3N	132.8E	------	------
160000Z	19.3N	132.3E	------	------
160600Z	19.7N	131.9E	347-167	------
161200Z	19.9N	131.1E	291-98	------
161800Z	20.3N	130.3E	288-100	------
170000Z	20.8N	129.5E	172-77	------
170600Z	21.4N	128.6E	162-125	328-145
171200Z	22.3N	127.4E	151-150	263-155
171800Z	23.0N	125.9E	186-142	255-122
180000Z	23.5N	124.6E	183-160	167-194
180600Z	24.0N	123.7E	104-80	174-194
181200Z	24.3N	122.7E	088-83	156-237
181800Z	24.6N	121.6E	011-77	197-163
190000Z	24.7N	121.2E	338-85	214-161
190600Z	24.8N	120.7E	332-132	045-83
191200Z	26.4N	119.3E	019-28	050-88

AVERAGE 24 HOUR ERROR 107 MI
AVERAGE 48 HOUR ERROR 154 MI


TYPHOON MARY
15–19 AUGUST 1965
24HR FORECAST POSITS
LEGEND
0---- 24HR FORECAST POSITS
6HR BEST TRACK POSITS
19/12Z
18/00Z
17/00Z
16/00Z
15/06Z
TSINGTAO
SHANGHAI
HONG KONG
OKINAWA
TOKYO
CHICHI JIMA
IWO JIMA
MANILA
SAIGON
SAIPAN
GUAM
YAP
UULITHI
KOROR
WOLEAI ATOL
TRUK
PONAPE
ENIWETOK