TROPICAL CYCLONE 22 - 08/24/0600Z TO 08/29/1200Z

I. DATA

A. STATISTICS

1. NUMBER OF WARNINGS ISSUED - 22
2. NUMBER OF WARNINGS WITH TYPHOON INTENSITY - 11
3. TOTAL DISTANCE TRAVELED DURING TROPICAL WARNING PERIOD - 1326 MI

B. CHARACTERISTICS AS A TYPHOON

1. MINIMUM OBSERVED SLP - 937MBS AT 270400Z
2. MINIMUM OBSERVED 700MB HEIGHT - 2576M. AT 270400Z
3. MAXIMUM SURFACE WIND - 125 KTS (FROM BEST TRACK)
4. MAXIMUM RADIUS OF SURFACE CIRCULATION - 450 MI

II. DEVELOPMENT

A. INITIAL IMPETUS - FRACTURE OF A POLAR TROUGH AND AN EASTERLY WAVE

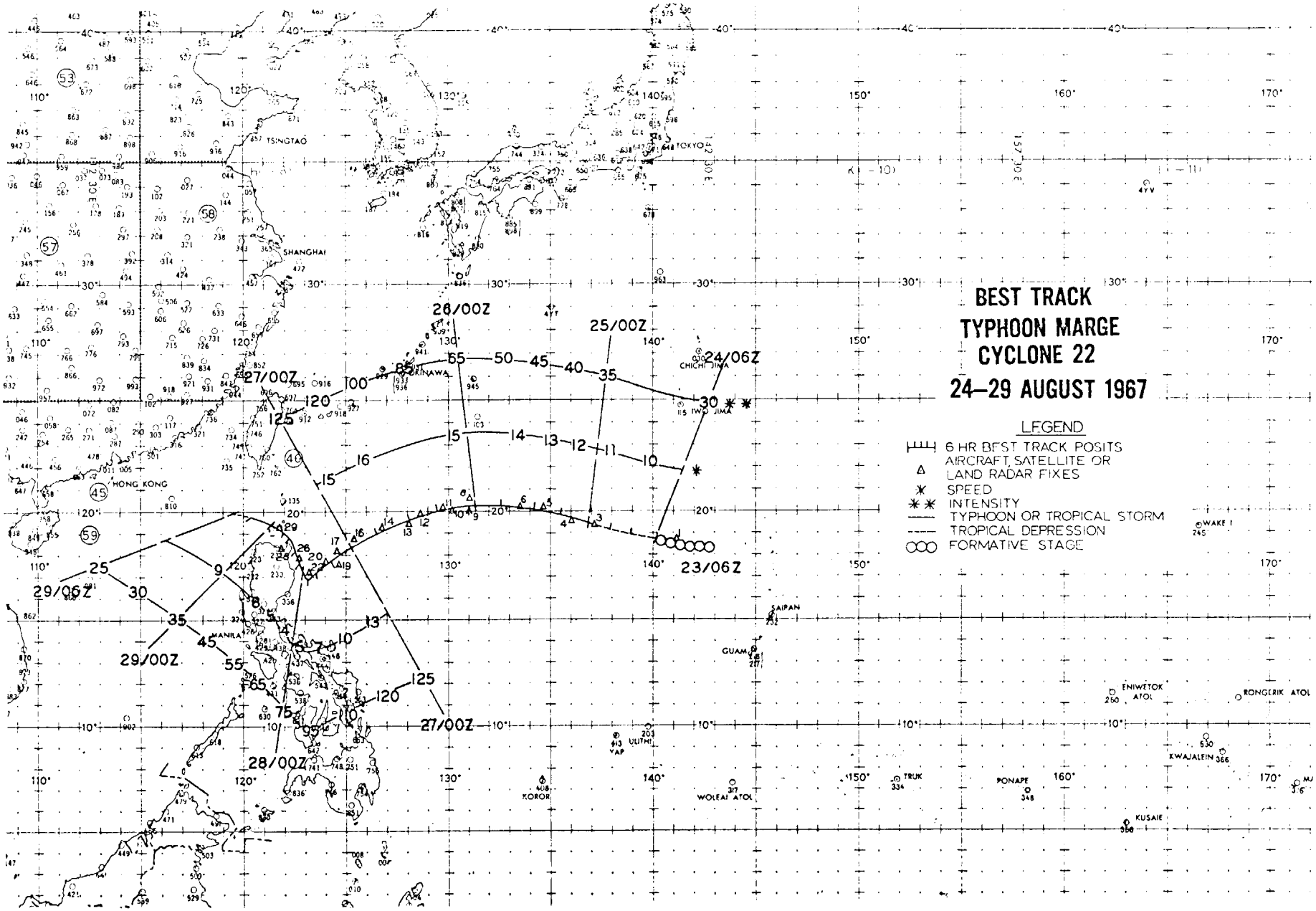
B. INITIAL SURFACE VORTEX

1. EMBEDDED VORTEX AT 230600Z
2. SURFACE PRESSURE LESS THAN 1004MB

C. 200MB FLOW ABOVE SURFACE VORTEX

1. INITIAL - EAST
2. UPON REACHING TYPHOON INTENSITY - SOUTH

III. FINAL DISPOSITION - DISSIPATED OVER WATER


BEST TRACK
TYPHOON MARGE
CYCLONE 22
24–29 AUGUST 1967
LEGEND
6 HR BEST TRACK POSITS
AIRCRAFT, SATELLITE OR LAND RADAR FIXES
SPEED
INTENSITY
TYPHOON OR TROPICAL STORM
TROPICAL DEPRESSION
FORMATIVE STAGE
TSINGTAO
SHANGHAI
TOKYO
OKINAWA
CHICHI JIMA
IWO JIMA
HONG KONG
MANILA
SAIPAN
GUAM
ULITHI
YAP
KOROR
WOLEAI ATOL
TRUK
PONAPE
KWAJALEIN
ENIWETOK ATOL
RONGERIK ATOL
WAKE I
KUSAIE
26/00Z
25/00Z
24/06Z
27/00Z
23/06Z
29/06Z
29/00Z
28/00Z
27/00Z

EYE FIXES CYCLONE 22

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	EYE FORM	ORIEN-TATION	EYE DIA	THKNS WALL CLOUD
1	240030Z	18.6N 141.1E	54-UNK--	0370M	---	035	002	---	--/--	----			--
2	240633Z	18.5N 141.0E	SLTLS	STG C	DIA --	BNDS -							
3	242218Z	19.4N 137.1E	54-P-P05	0460M	036	035	002	---	--/--	----			--
4	250356Z	19.5N 136.0E	54-P-P05	0460M	048	050	997	---	--/--	----			F.B.
5	250940Z	20.1N 134.6E	VW-P-P10	0370M	035	035	993	---	--/--	CIRC	----	10	--
6	251510Z	20.2N 133.5E	VW-P-P10	700MB	055	---	---	---	--/--	CIRC	----	30	12
7	250520Z	20.0N 135.0E	SLTLS	STG C	DIA --	BNDS -							
8	261004Z	19.8N 128.6E	VW-P-P05	0300M	---	100	969	---	--/--	ELIP	NE-SW	15X08	--
9	262209Z	20.5N 131.0E	SLTLS	STG -	DIA --	BNDS -							
10	260025Z	20.0N 131.0E	54-P-P01	700MB	---	---	983	2954	16/--	CIRC	----	10	--
11	260412Z	20.0N 130.1E	54-P-P01	700MB	---	---	975	2895	18/--	ELIP	NE-SW	25X15	20
12	260527Z	20.1N 129.8E	54-P-P01	700MB	---	080	---	2883	18/--	ELIP	NE-SW	25X15	--
13	261245Z	19.5N 128.0E	VW-R-P10	700MB	---	---	---	---	--/--	----			--
14	261530Z	19.2N 126.7E	VW-R-P10	700MB	---	---	---	---	--/--	CIRC	----	06	30
15	260557Z	21.0N 129.0E	SLTLS	STG X	DIA 03	BNDS 5							
16	262200Z	18.7N 125.4E	54-P-P02	700MB	110	120	950	---	--/--	CIRC	----	19	--
17	270215Z	18.1N 124.5E	54-R-P--		---	---	---	---	--/--	----			--
18	270400Z	18.0N 124.5E	54-P-P01	700MB	150	150	937	2576	25/11	CIRC	----	15	20
19	270600Z	17.6N 124.6E	54-R-P--		---	---	---	---	--/--	----			--
20	270650Z	17.7N 124.0E	54-R-P--	700MB	---	---	---	---	--/--	----			--
21	270900Z	17.6N 123.8E	54-P-P01	700MB	125	150	947	2694	28/04	CIRC	----	25	10
22	271650Z	17.1N 123.2E	VW-R-P10	700MB	---	---	---	---	--/--	----			--
23	272150Z	17.2N 123.3E	VW-P-P05	700MB	---	090	974	2900	22/--	CIRC	----	30	--
24	280430Z	17.2N 122.9E	54-P-P02	700MB	060	045	983	2947	25/--	CIRC	----	45	--

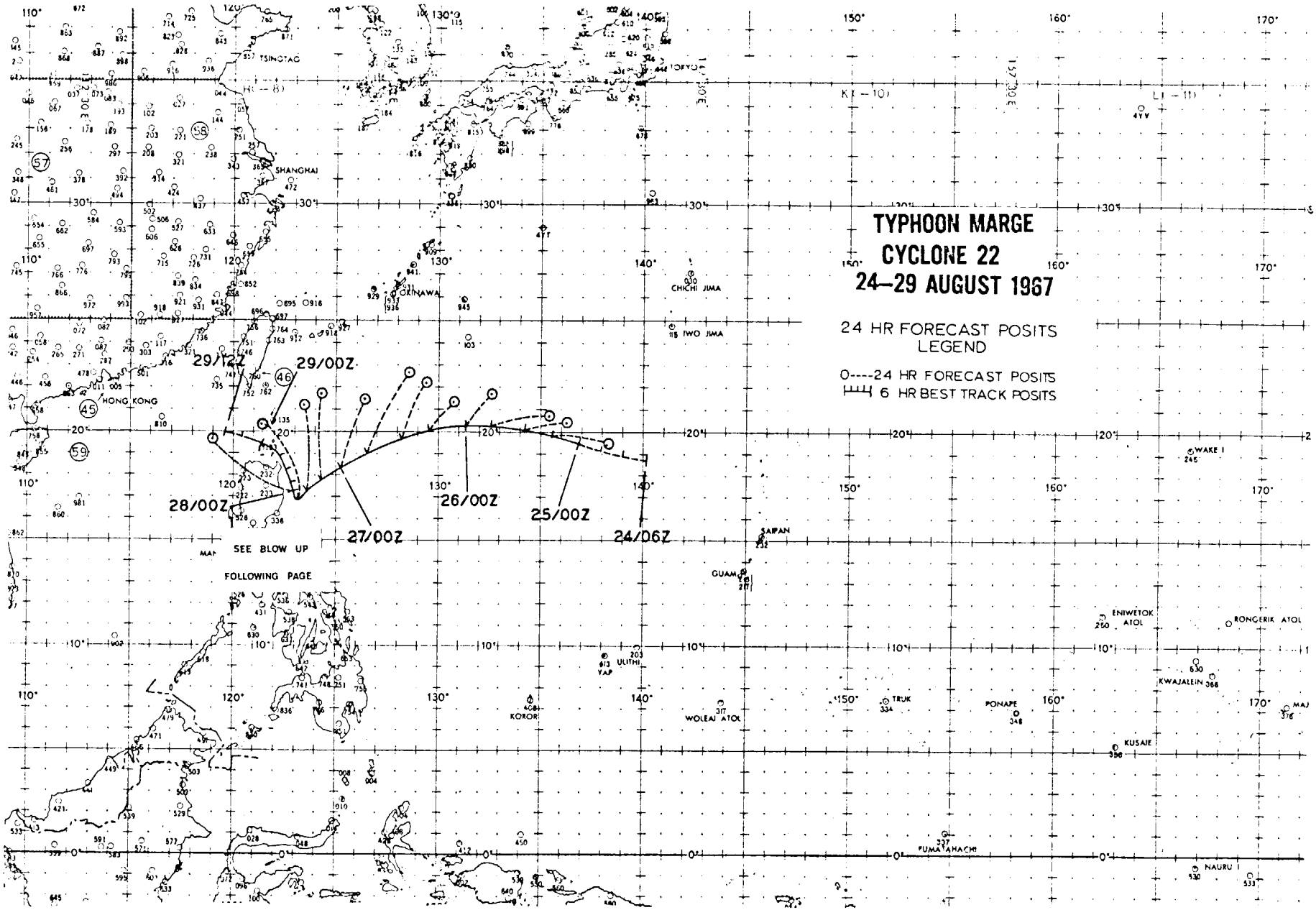
EYE FIXES CYCLONE 22

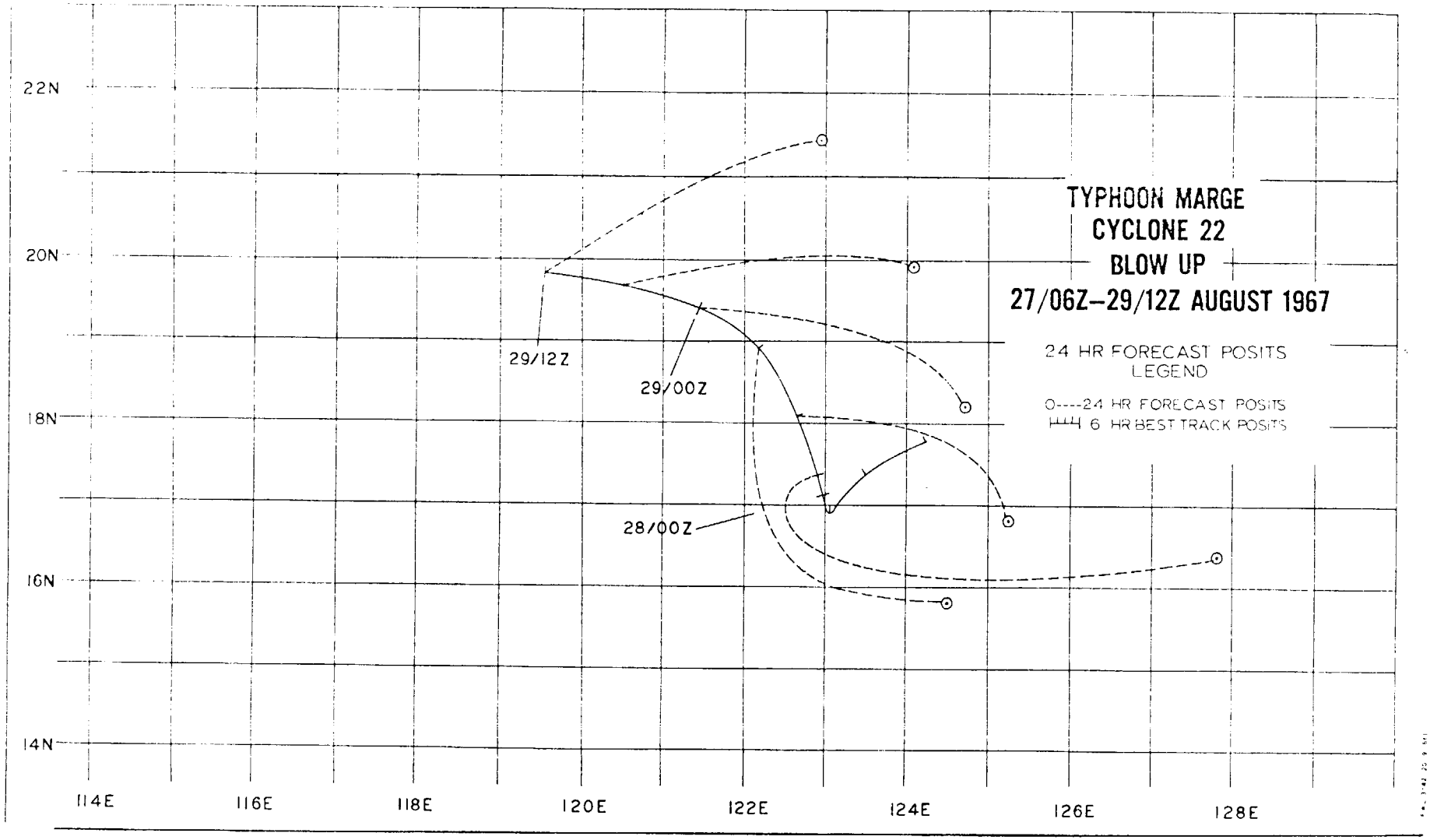
FIX NO.	TIME	POSIT	UNIT-METHOD-ACCY	FLT LVL	FLT LVL WND	OBS SFC WND	OBS MIN SLP	MIN 700MB HGT	FLT LVL TT/TD	EYE FORM	ORIEN-TATION	EYE DIA	THKNS WALL CLOUD
25	270630Z	17.5N 123.0E	SLTLS	STG X	DIA 05	BNDS 3							
26	280845Z	17.8N 122.7E	54-UNK--	700MB	---	070	---	2951	18/--	----			--
27	281000Z	17.9N 122.8E	54-P-P01	700MB	050	075	985	2951	17/--	CIRC	----	30	--
28	281620Z	18.4N 121.9E	VW-P-P02	700MB	050	---	993	3022	15/08	----			N.F.B.
29	282210Z	19.2N 121.7E	VW-P-P02	700MB	---	050	991	3033	14/08	CIRC	----	10	--

TROPICAL CYCLONE 22 -- 08/24/0600Z TO 08/29/1200Z
POSITION AND FORECAST VERIFICATION DATA

DTG	STORM POSITION LAT.	LONG.	24 HR. ERROR DEG. DIST.	48 HR. ERROR DEG. DIST.	72 HR. ERROR DEG. DIST.
250000Z	19.4N	136.9E	--------	--------	--------
250600Z	19.8N	135.6E	102-0138	--------	--------
251200Z	20.1N	134.2E	084-0108	--------	--------
251800Z	20.3N	132.7E	084-0150	--------	--------
260000Z	20.2N	131.2E	044-0120	--------	--------
260600Z	20.0N	129.5E	043-0102	--------	--------
261200Z	19.7N	128.1E	027-0156	--------	--------
261800Z	19.2N	126.4E	030-0228	--------	--------
270000Z	18.4N	125.2E	019-0186	--------	--------
270600Z	17.8N	124.2E	002-0234	027-0372	--------
271200Z	17.4N	123.5E	358-0228	012-0456	--------
271800Z	16.9N	123.1E	332-0222	008-0534	--------
280000Z	17.2N	123.0E	302-0264	002-0420	--------
280600Z	17.4N	122.8E	101-0294	346-0414	012-0492
281200Z	18.1N	122.7E	120-0162	336-0360	--------
281800Z	18.9N	122.2E	145-0228	314-0324	006-0594
290000Z	19.3N	121.4E	109-0192	286-0366	--------

AVERAGE 24 HOUR ERROR - 0188 MI.
AVERAGE 48 HOUR ERROR - 0405 MI.
AVERAGE 72 HOUR ERROR - 0543 MI.


TYPHOON MARGE
CYCLONE 22
24–29 AUGUST 1967
24 HR FORECAST POSITS
LEGEND
0----24 HR FORECAST POSITS
6 HR BEST TRACK POSITS
29/12Z
29/00Z
28/00Z
27/00Z
26/00Z
25/00Z
24/06Z
SEE BLOW UP
FOLLOWING PAGE
TSINGTAO
SHANGHAI
HONG KONG
OKINAWA
TOKYO
CHICHI JIMA
IWO JIMA
SAIPAN
GUAM
ULITHI
YAP
KOROR
WOLEAI ATOL
TRUK
PONAPE
KUSAIE
ENIWETOK ATOL
RONGERIK ATOL
KWAJALEIN
WAKE I
FUMATAHACHI
NAURU I


TYPHOON MARGE
CYCLONE 22
BLOW UP
27/06Z–29/12Z AUGUST 1967
24 HR FORECAST POSITS
LEGEND
O----24 HR FORECAST POSITS
6 HR BEST TRACK POSITS
29/12Z
29/00Z
28/00Z
22N
20N
18N
16N
14N
114E
116E
118E
120E
122E
124E
126E
128E