TROPICAL CYCLONE 21 - 08/19/0600Z TO 08/21/1200Z

I. DATA

A. STATISTICS

1. NUMBER OF WARNINGS ISSUED - 10
2. NUMBER OF WARNINGS WITH TYPHOON INTENSITY - 03
3. TOTAL DISTANCE TRAVELED DURING TROPICAL WARNING PERIOD - 0540 MI

B. CHARACTERISTICS AS A TYPHOON

1. MINIMUM OBSERVED SLP - 978MBS AT 202138Z
2. MINIMUM OBSERVED 700MB HEIGHT - 2935M. AT 210726Z
3. MAXIMUM SURFACE WIND - 070 KTS (FROM BEST TRACK)
4. MAXIMUM RADIUS OF SURFACE CIRCULATION - 300 MI

II. DEVELOPMENT

A. INITIAL IMPETUS - MONSOONAL SURGE WITH SUBSEQUENT DEVELOPMENT OF 200MB DIVERGENCE

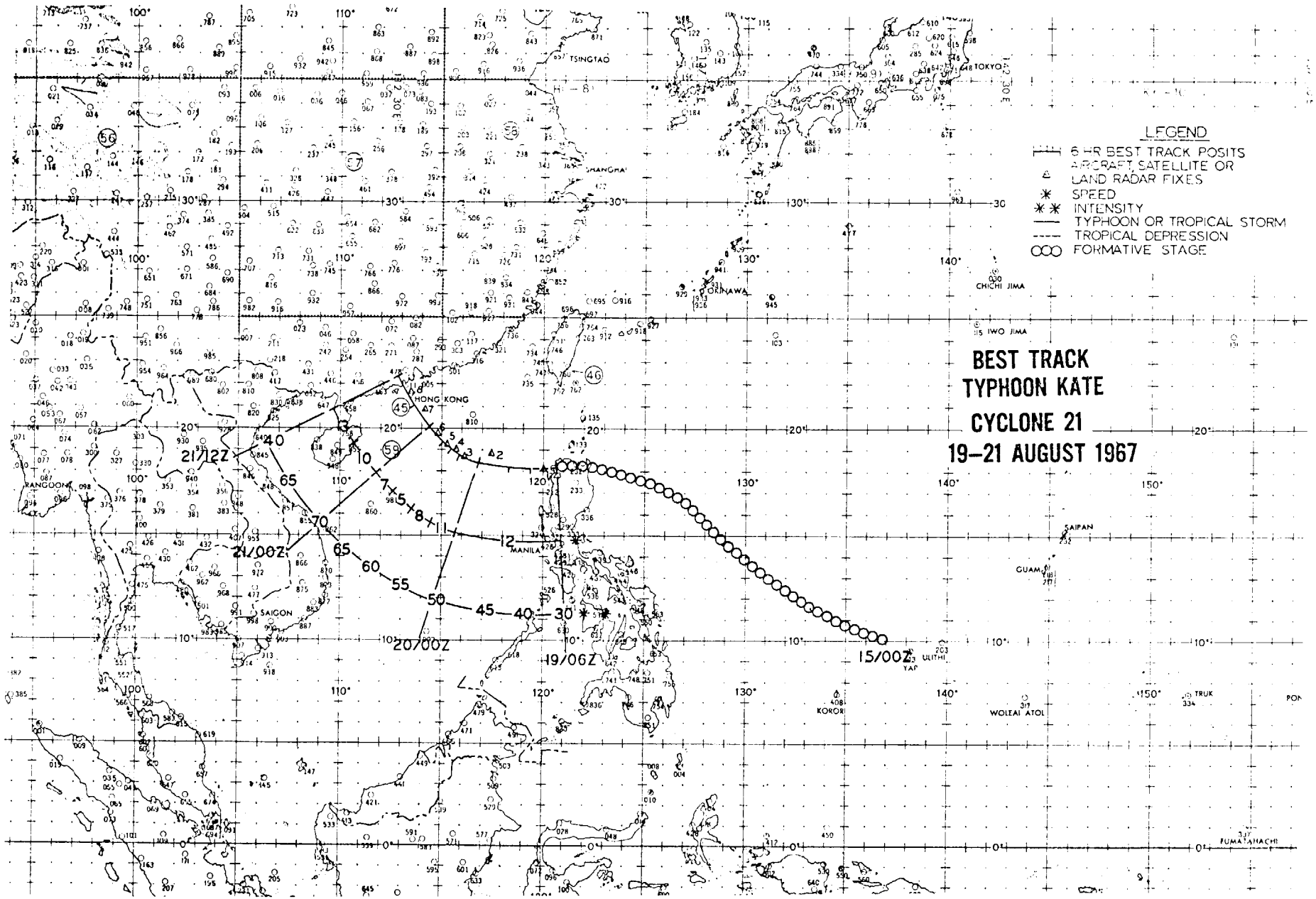
B. INITIAL SURFACE VORTEX

1. EMBEDDED VORTEX AT 150000Z
2. SURFACE PRESSURE LESS THAN 1007MB

C. 200MB FLOW ABOVE SURFACE VORTEX

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

III. FINAL DISPOSITION - DISSIPATED OVER LAND


BEST TRACK
TYPHOON KATE
CYCLONE 21
19–21 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
TOKYO
SHANGHAI
OKINAWA
CHICHI JIMA
IWO JIMA
HONG KONG
RANGOON
MANILA
SAIGON
SAIPAN
GUAM
ULITHI
YAP
KOROR
WOLEAI ATOL
TRUK
FUMATAHACHI
21/12Z
21/00Z
20/00Z
19/06Z
15/00Z

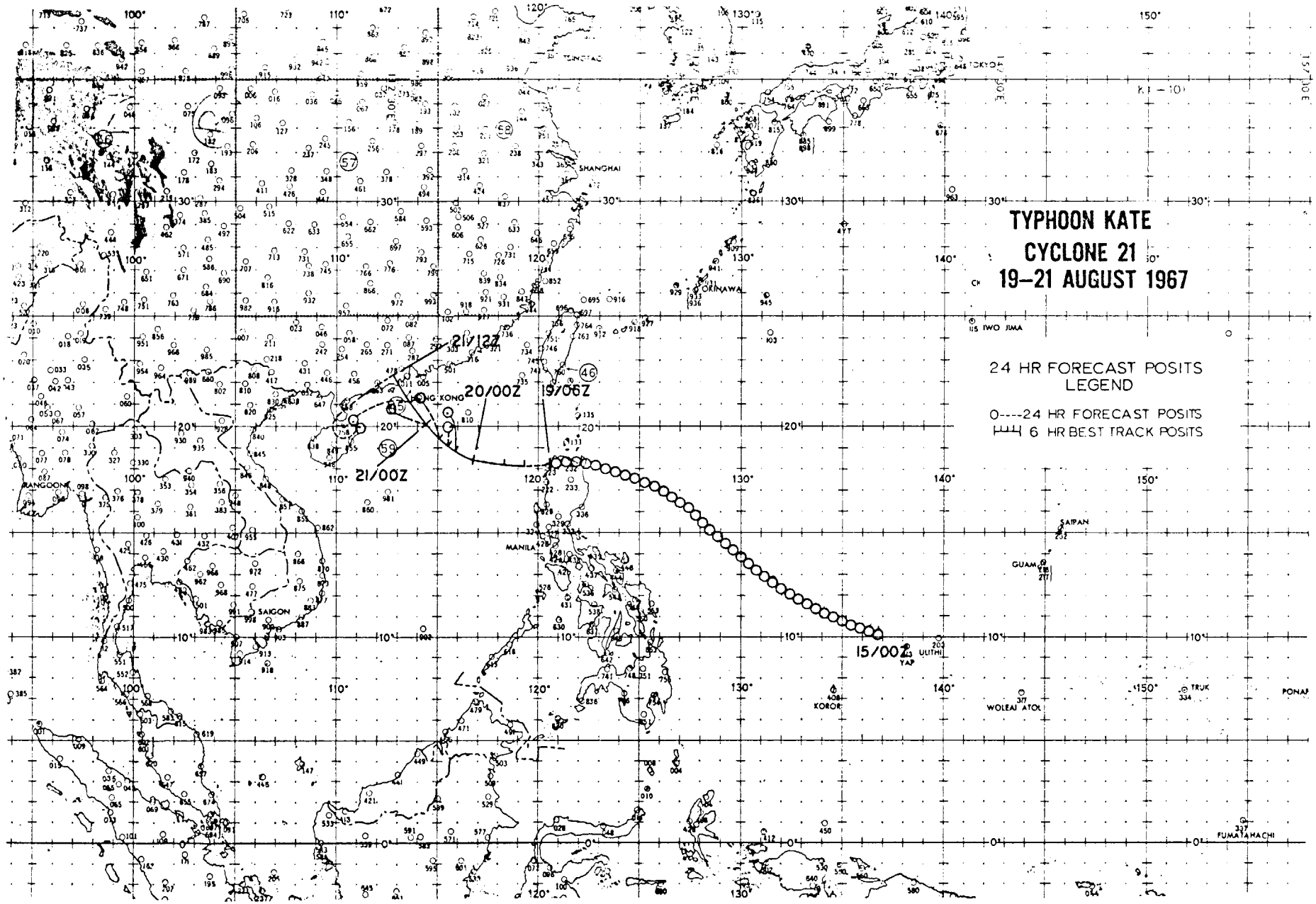
EYE FIXES CYCLONE 21

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	190918Z	18.1N 120.0E	VW-P-P03	0310M	040	038	987	3009	13/06	----			--
2	192207Z	18.8N 117.4E	VW-P-F05	0420M	045	035	986	---	--/--	----			F.B.
3	200349Z	18.7N 116.1E	54-P-P02	0440M	041	055	000	---	--/--	ELIP	N-S	40X20	--
4	200927Z	19.0N 115.7E	54-P-P05	700MB	046	075	984	2963	14/--	----			N.F.B.
5	201535Z	19.2N 115.3E	VW-P-P05	700MB	---	065	982	2999	25/--	----			F.B.
6	202138Z	19.7N 114.8E	VW-P-P03	0450M	048	065	978	2972	15/--	CIRC	----	40	--
7	210346Z	20.8N 114.1E	54-P-P01	700MB	072	065	982	2944	14/--	ELIP	N-S	30X20	--
8	210726Z	21.5N 113.3E	54-P-L01	700MB	075	065	---	2935	13/--	----			--

TROPICAL CYCLONE 21 -- 08/19/0600Z TO 08/21/1200Z
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.
191200Z	18.1N	119.4E	--------	--------	--------
191800Z	18.2N	118.2E	--------	--------	--------
200000Z	18.4N	116.9E	--------	--------	--------
200600Z	18.8N	115.9E	349-0102	--------	--------
201200Z	19.2N	115.5E	015-0048	--------	--------
201800Z	19.4N	115.1E	330-0120	--------	--------
210000Z	20.1N	114.5E	295-0108	--------	--------
210600Z	21.1N	113.7E	249-0162	--------	--------
211200Z	22.3N	112.9E	215-0168	326-0018	--------

AVERAGE 24 HOUR ERROR - 0118 MI.
AVERAGE 48 HOUR ERROR - 0018 MI.
AVERAGE 72 HOUR ERROR - ---- MI.


TYPHOON KATE
CYCLONE 21
19–21 AUGUST 1967
24 HR FORECAST POSITS
LEGEND
O----24 HR FORECAST POSITS
6 HR BEST TRACK POSITS
21/12Z
20/00Z
19/06Z
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HONG KONG
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