TROPICAL CYCLONE 07 - 07/02/0000Z TO 07/08/0000Z

I. DATA

A. STATISTICS

1. NUMBER OF WARNINGS ISSUED - 25
2. NUMBER OF WARNINGS WITH TYPHOON INTENSITY - 08
3. TOTAL DISTANCE TRAVELED DURING TROPICAL WARNING PERIOD - 1326 MI

B. CHARACTERISTICS AS A TYPHOON

1. MINIMUM OBSERVED SLP - 979MBS AT 060354Z
2. MINIMUM OBSERVED 700MB HEIGHT - 2938M. AT 060720Z
3. MAXIMUM SURFACE WIND - 075 KTS (FROM BEST TRACK)
4. MAXIMUM RADIUS OF SURFACE CIRCULATION - 430 MI

II. DEVELOPMENT

A. INITIAL IMPETUS - DEVELOPMENT OF DIVERGENCE AT 200MB LEVEL OVER SURFACE CYCLONIC CIRCULATION

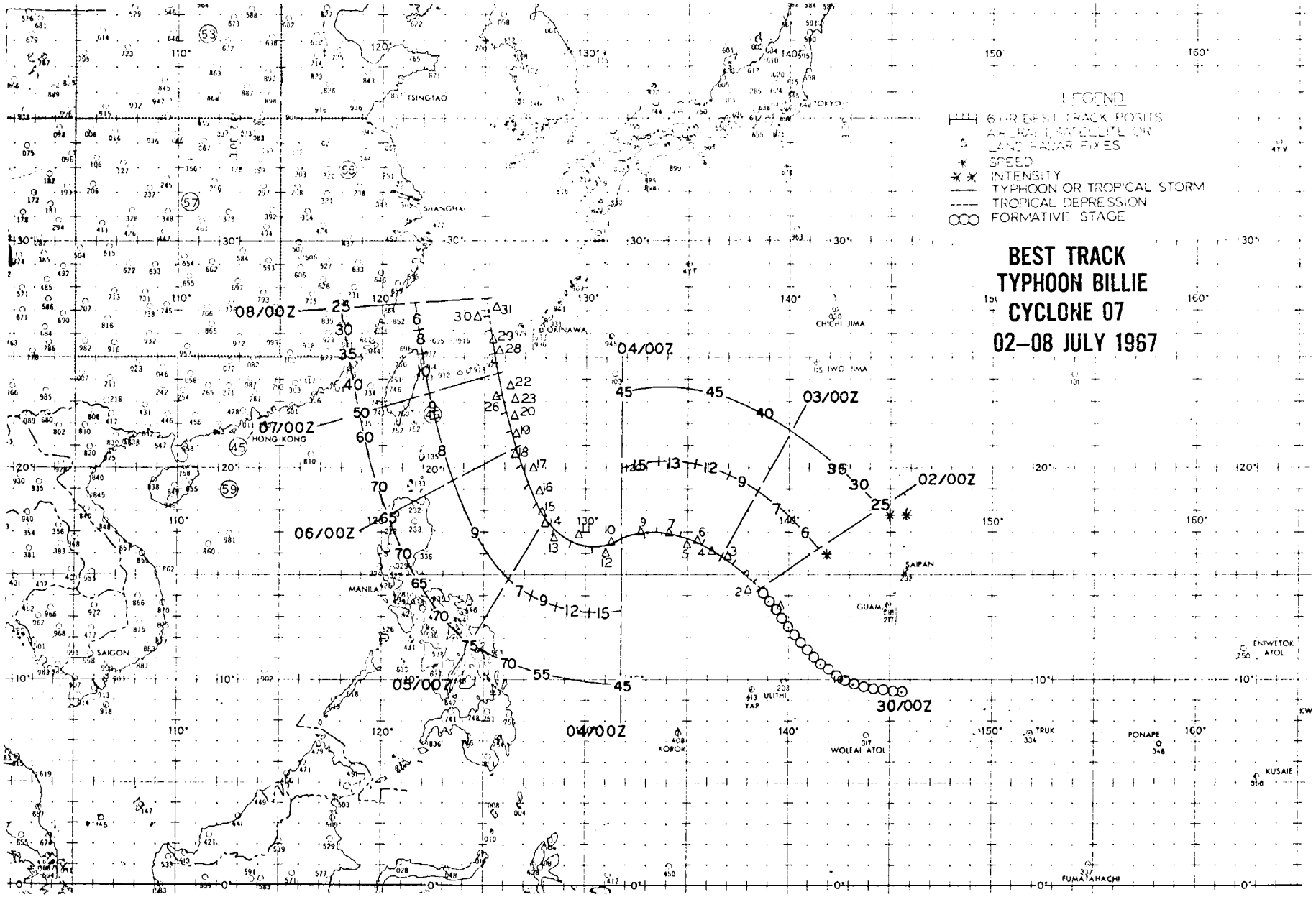
B. INITIAL SURFACE VORTEX

1. JUNCTION VORTEX AT 280600Z
2. SURFACE PRESSURE LESS THAN 1008MB

C. 200MB FLOW ABOVE SURFACE VORTEX

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

III. FINAL DISPOSITION - BECAME EXTRATROPICAL


LEGEND
6 HR BEST TRACK POINTS
AIRCRAFT SATELLITE OR LAND RADAR FIXES
SPEED
INTENSITY
TYPHOON OR TROPICAL STORM
TROPICAL DEPRESSION
FORMATIVE STAGE
BEST TRACK
TYPHOON BILLIE
CYCLONE 07
02–08 JULY 1967
08/00Z
07/00Z
06/00Z
05/00Z
04/00Z
03/00Z
02/00Z
30/00Z
TSINGTAO
SHANGHAI
OKINAWA
TOKYO
CHICHI JIMA
IWO JIMA
HONG KONG
MANILA
SAIGON
SAIPAN
GUAM
YAP
ULITHI
KOROR
WOLEAI ATOL
TRUK
PONAPE
ENIWETOK ATOL
KUSAIE
FUMATAHACHI

EYE FIXES CYCLONE 07

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	012349Z	13.6N 139.7E	54-P-P02	0430M	035	025	003	---	--/--	ELIP	NE-SW	60X10	--
2	020300Z	14.2N 138.0E	VW-P-P10	0310M	038	038	003	---	--/--	ELIP	NE-SW	90X40	--
3	022201Z	15.9N 137.0E	54-P-P03	0460M	020	035	001	---	--/--	ELIP	NW-SE	30X10	--
4	030322Z	16.1N 136.2E	54-P-P03	0460M	037	030	998	---	--/--	CIRC	----	10	--
5	030515Z	16.4N 135.0E	ACFT RDR		---	---	---	---	--/--	----			--
6	030459Z	17.0N 138.0E	SLTLS	STG B	DIA -- BNDS -								
7	030940Z	16.6N 135.5E	VW-P-P05	0240M	035	032	997	---	--/--	----			F.B.
8	031530Z	17.0N 134.1E	VW-P-P05	0270M	030	---	997	---	--/--	----			F.B.
9	032124Z	17.0N 132.8E	54-P-P02	0460M	030	030	994	---	--/--	----			--
10	040200Z	16.5N 131.2E	54-P-P02	0460M	035	030	997	---	--/--	CIRC	----	25	--
11	040537Z	16.0N 131.0E	SLTLS	STG B	DIA -- BNDS -								
12	041030Z	16.9N 129.6E	VW-P-P05	0340M	050	050	988	3029	18/09	----			F.B.
13	041625Z	16.8N 128.3E	VW-P-P05	700MB	050	---	990	3009	09/06	CIRC	----	35	--
14	042120Z	17.5N 128.0E	VW-P-P05	700MB	---	055	---	2966	17/--	CIRC	----	08	--
15	050330Z	17.9N 127.9E	54-P-P03	700MB	062	070	982	2932	19/--	----			F.B.
16	050931Z	18.9N 127.8E	54-P-P02	700MB	045	055	985	2969	18/--	CIRC	----	15	--
17	051600Z	19.9N 127.4E	VW-P-P01	0300M	072	070	982	---	--/--	CIRC	----	25	--
18	052140Z	20.6N 126.6E	VW-P-P02	0240M	060	060	984	---	--/--	CIRC	----	25	--
19	060354Z	21.5N 126.4E	54-P-P03	700MB	042	065	979	2941	18/--	----			N.F.B.
20	060720Z	22.3N 126.4E	54-P-P03	700MB	042	055	979	2938	18/--	----			--
21	060946Z	22.4N 126.3E	54-P-P03	700MB	050	055	982	2951	17/--	----			--
22	061518Z	23.8N 126.2E	VW-UNK--		---	---	---	---	--/--	----			--
23	061520Z	23.1N 126.4E	LND RDR		---	---	---	---	--/--	----			--
24	061620Z	23.3N 126.4E	LND RDR		---	---	---	---	--/--	----			--

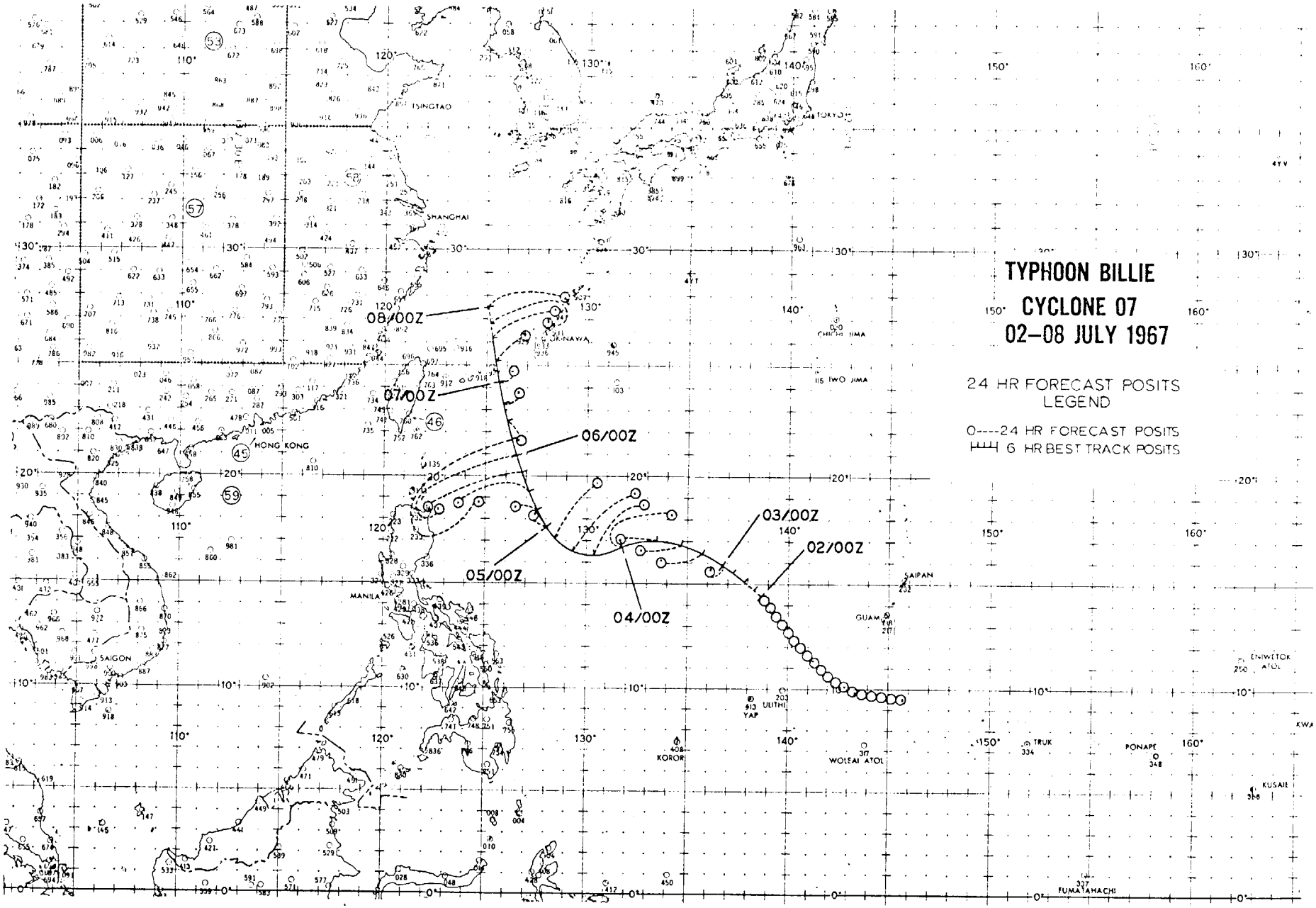
EYE FIXES CYCLONE 07

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	061750Z	23.4N 126.2E	LND RDR		---	---	---	---	--/--	----			--
26	061830Z	23.2N 125.7E	VW-P-P02	0370M	060	045	985	---	--/--	CIRC	----	50	--
27	062148Z	23.6N 125.7E	VW-P-P02	700MB	---	050	---	3011	21/--	CIRC	----	12	N.F.B.
28	070430Z	25.2N 125.8E	54-P-P02	0460M	030	035	995	---	09/--	CIRC	----	10	--
29	070920Z	25.6N 125.4E	54-P-P02	0490M	032	035	996	---	--/--	----			--
30	071830Z	26.7N 124.6E	VW-P-L05	700MB	040	---	---	3103	12/--	----			--
31	072145Z	27.1N 125.6E	VW-P-L05	700MB	030	025	005	3093	15/--	----			--

TROPICAL CYCLONE 07 -- 07/02/0000Z TO 07/08/0000Z
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.
021200Z	15.0N	137.7E	--------	--------	--------
021800Z	15.5N	137.3E	--------	--------	--------
030000Z	15.9N	136.7E	244-0024	--------	--------
030600Z	16.4N	135.8E	262-0114	--------	--------
031200Z	16.8N	134.7E	264-0108	--------	--------
031800Z	17.0N	133.4E	270-0096	--------	--------
040000Z	16.7N	131.8E	058-0156	--------	--------
040600Z	16.3N	130.4E	044-0198	--------	--------
041200Z	16.5N	129.2E	049-0228	--------	--------
041800Z	17.1N	128.4E	037-0192	--------	--------
050000Z	17.7N	128.1E	324-0048	--------	--------
050600Z	18.5N	127.7E	275-0066	036-0198	--------
051200Z	19.3N	127.3E	262-0198	035-0180	--------
051800Z	20.2N	126.9E	248-0276	013-0132	--------
060000Z	21.0N	126.6E	235-0270	254-0222	--------
060600Z	21.8N	126.3E	206-0192	253-0258	022-0162
061200Z	22.5N	126.1E	159-0048	259-0366	--------
061800Z	23.2N	125.9E	046-0048	253-0438	016-0180
070000Z	24.2N	125.6E	046-0042	243-0444	--------
070600Z	25.1N	125.4E	046-0108	226-0414	254-0420
071200Z	26.1N	125.2E	067-0174	152-0114	--------

AVERAGE 24 HOUR ERROR - 0136 MI.
AVERAGE 48 HOUR ERROR - 0276 MI.
AVERAGE 72 HOUR ERROR - 0254 MI.


TYPHOON BILLIE
CYCLONE 07
02–08 JULY 1967
24 HR FORECAST POSITS
LEGEND
O----24 HR FORECAST POSITS
6 HR BEST TRACK POSITS
08/00Z
07/00Z
06/00Z
05/00Z
04/00Z
03/00Z
02/00Z
TSINGTAO
SHANGHAI
TOKYO
OKINAWA
CHICHI JIMA
IWO JIMA
HONG KONG
MANILA
SAIGON
SAIPAN
GUAM
YAP
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KOROR
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KUSAIE
FUMATAHACHI