TROPICAL CYCLONE 08 - 07/06/0600Z TO 07/12/0600Z

I. DATA

A. STATISTICS

1. NUMBER OF WARNINGS ISSUED - 25
2. NUMBER OF WARNINGS WITH TYPHOON INTENSITY - 19
3. TOTAL DISTANCE TRAVELED DURING TROPICAL WARNING PERIOD - 1518 MI

B. CHARACTERISTICS AS A TYPHOON

1. MINIMUM OBSERVED SLP - 960MBS AT 102103Z
2. MINIMUM OBSERVED 700MB HEIGHT - 2826M. AT 100920Z
3. MAXIMUM SURFACE WIND - 100 KTS (FROM BEST TRACK)
4. MAXIMUM RADIUS OF SURFACE CIRCULATION - 320 MI

II. DEVELOPMENT

A. INITIAL IMPETUS - A COLD CORE LOW BECOMING WARM CORE AFTER DEVELOPMENT OF DIVERGENCE AT 200MB

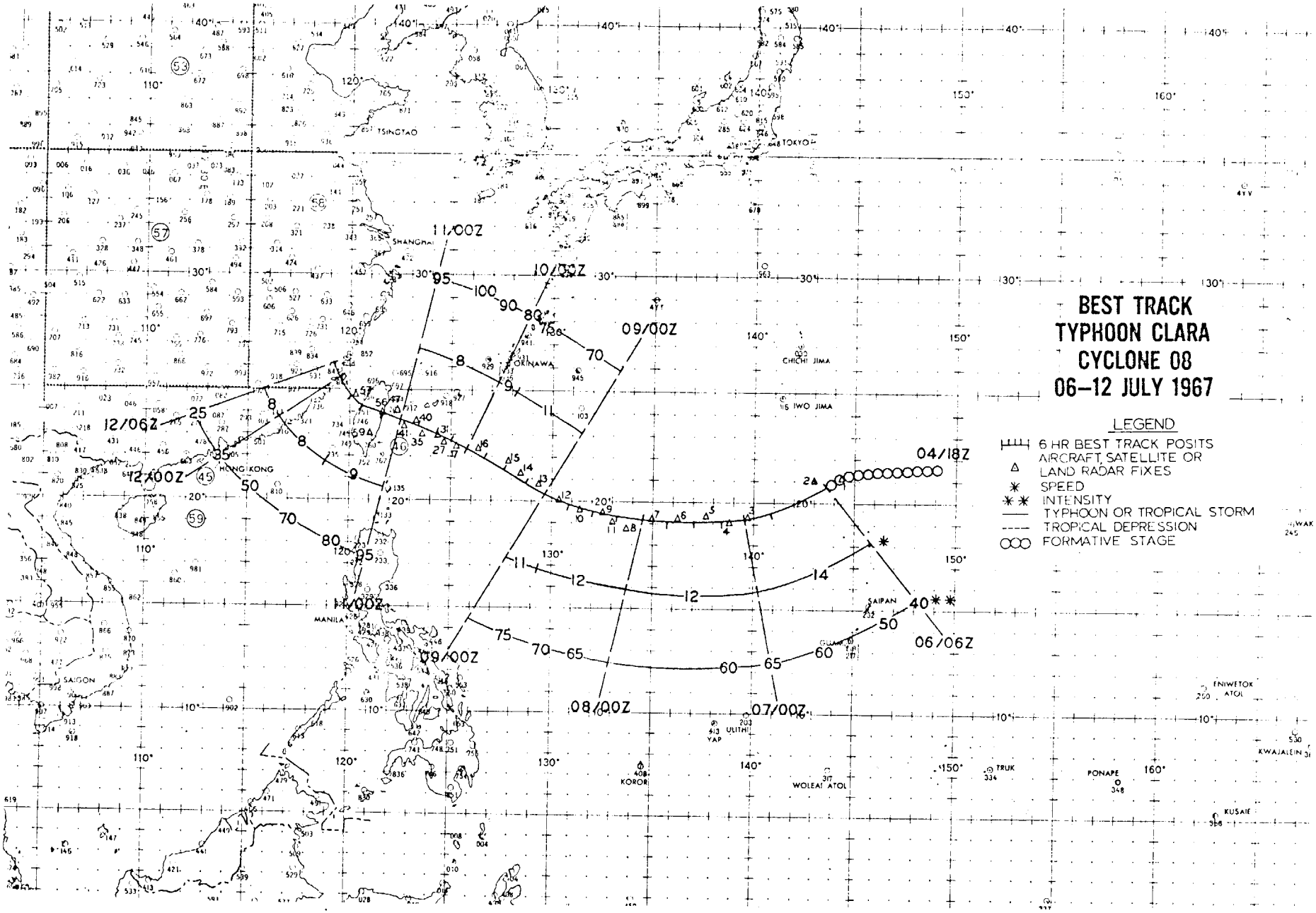
B. INITIAL SURFACE VORTEX

1. COLD VORTEX AT 041800
2. SURFACE PRESSURE LESS THAN 1010MB

C. 200MB FLOW ABOVE SURFACE VORTEX

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

III. FINAL DISPOSITION - DISSIPATED OVER LAND


BEST TRACK
TYPHOON CLARA
CYCLONE 08
06–12 JULY 1967
LEGEND
6 HR BEST TRACK POSITS
AIRCRAFT, SATELLITE OR LAND RADAR FIXES
SPEED
INTENSITY
TYPHOON OR TROPICAL STORM
TROPICAL DEPRESSION
FORMATIVE STAGE
12/06Z
12/00Z
11/00Z
10/00Z
09/00Z
08/00Z
07/00Z
06/06Z
04/18Z
HONG KONG
MANILA
SAIGON
TSINGTAO
SHANGHAI
OKINAWA
TOKYO
CHICHI JIMA
IWO JIMA
SAIPAN
YAP
ULITHI
KOROR
WOLEAI ATOL
TRUK
PONAPE
KUSAIE
ENIWETOK ATOL
KWAJALEIN
WAK

EYE FIXES CYCLONE 08

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	060350Z	21.1N 144.3E	54-P-P03	700MB	055	060	997	3018	14/--	ELIP	NW-SE	15X10	F.B.
2	060500Z	21.0N 143.0E	SLTLS	STG X	DIA 03	BNDS 1							
3	062310Z	19.2N 139.7E	54-P-P05	700MB	070	065	984	2984	16/--	CIRC	----	08	--
4	070345Z	19.0N 138.9E	54-P-F03	700MB	040	070	989	3039	14/--	----			--
5	070930Z	19.3N 137.7E	VW-P-P08	0460M	---	060	987	3063	17/14	----			--
6	071537Z	19.1N 136.2E	VW-P-F12	0460M	---	---	989	---	--/--	----			N.F.B.
7	072205Z	19.2N 135.0E	54-P-P05	700MB	045	065	987	3005	16/--	ELIP	NW-SE	25X10	--
8	080350Z	18.8N 133.8E	54-P-F03	700MB	050	065	995	3042	14/--	----			--
9	080610Z	19.0N 133.0E	SLTLS	STG C	DIA 06	BNDS -							
10	081000Z	19.5N 132.5E	VW-P-P02	0410M	050	055	982	---	--/--	----			F.B.
11	081541Z	19.6N 131.3E	VW-P-P05	0250M	050	065	978	---	--/--	CIRC	----	15	--
12	082146Z	20.0N 130.4E	VW-P-P05	0230M	070	070	977	---	--/--	CIRC	----	22	--
13	090419Z	20.7N 129.3E	54-P-P02	700MB	072	070	978	2905	17/--	----			F.B.
14	090646Z	21.0N 128.0E	SLTLS	STG B	DIA --	BNDS -							
15	090925Z	21.2N 128.3E	54-P-P02	700MB	052	055	978	2908	16/--	----			F.B.
16	091618Z	21.8N 126.9E	VW-P-P10	0460M	---	---	979	---	--/--	CIRC	----	10	--
17	092130Z	22.3N 126.2E	VW-P-P10	0370M	050	065	974	---	--/--	ELIP	NW-SE	16X07	--
18	100000Z	22.4N 125.3E	LND RDR		---	---	---	---	--/--	----			--
19	100130Z	22.3N 125.1E	LND RDR		---	---	---	---	--/--	----			--
20	100250Z	22.3N 124.9E	LND RDR		---	---	---	---	--/--	----			--
21	100300Z	22.3N 125.3E	LND RDR		---	---	---	---	--/--	----			--
22	100350Z	22.3N 124.9E	LND RDR		---	---	---	---	--/--	----			--
23	100353Z	22.4N 125.3E	54-P-P03	700MB	070	090	965	2833	26/--	CIRC	----	15	--
24	100530Z	22.3N 124.8E	LND RDR		---	---	---	---	--/---	----			--

EYE FIXES CYCLONE 08

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	100630Z	22.4N 125.0E	LND RDR		---	---	---	---	--/--	----			--
26	100645Z	22.6N 124.8E	LND RDR		---	---	---	---	--/--	CIRC	----	20	--
27	100810Z	22.6N 124.8E	LND RDR		---	---	---	---	--/--	----			--
28	100845Z	22.6N 124.7E	LND RDR		---	---	---	---	--/--	ELIP	N-S	22X18	--
29	100903Z	22.7N 124.8E	LND RDR		---	---	---	---	--/--	----			--
30	100920Z	22.6N 124.7E	54-P-P03	700MB	070	100	968	2826	17/--	CIRC	----	35	08
31	101140Z	22.9N 124.3E	LND RDR		---	---	---	---	--/--	----			--
32	101300Z	23.0N 124.2E	LND RDR		---	---	---	---	--/--	CIRC	----	30	--
33	101315Z	22.9N 124.1E	LND RDR		---	---	---	---	--/--	----			--
34	101430Z	22.7N 124.1E	LND RDR		---	---	---	---	--/--	----			--
35	101540Z	23.0N 123.6E	VW-P-P10	0240M	080	080	967	---	--/--	CIRC	----	20	--
36	101630Z	23.0N 123.8E	LND RDR		---	---	---	---	--/--	----			--
37	101645Z	22.9N 123.5E	LND RDR		---	---	---	---	--/--	----			--
38	101840Z	23.1N 123.3E	LND RDR		---	---	---	---	--/--	----			--
39	101900Z	23.2N 123.2E	LND RDR		---	---	---	---	--/--	----			--
40	101920Z	23.2N 123.6E	VW-UNK--		---	---	---	---	--/--	----			--
41	102103Z	23.5N 123.2E	VW-P-P05	0210M	120	110	960	---	--/--	CIRC	----	14	07
42	102000Z	23.2N 122.9E	LND RDR		---	---	---	---	--/--	----			--
43	102100Z	23.4N 122.8E	LND RDR		---	---	---	---	--/--	----			--
44	102230Z	23.4N 123.0E	LND RDR		---	---	---	---	--/--	----			--
45	102300Z	23.7N 123.8E	LND RDR		---	---	---	---	--/--	----			--
46	102330Z	22.8N 122.5E	LND RDR		---	---	---	---	--/--	----			--
47	110030Z	23.8N 122.3E	LND RDR		---	---	---	---	--/--	----			--
48	110100Z	23.8N 122.5E	LND RDR		---	---	---	---	--/--	----			--

EYE FIXES CYCLONE 08

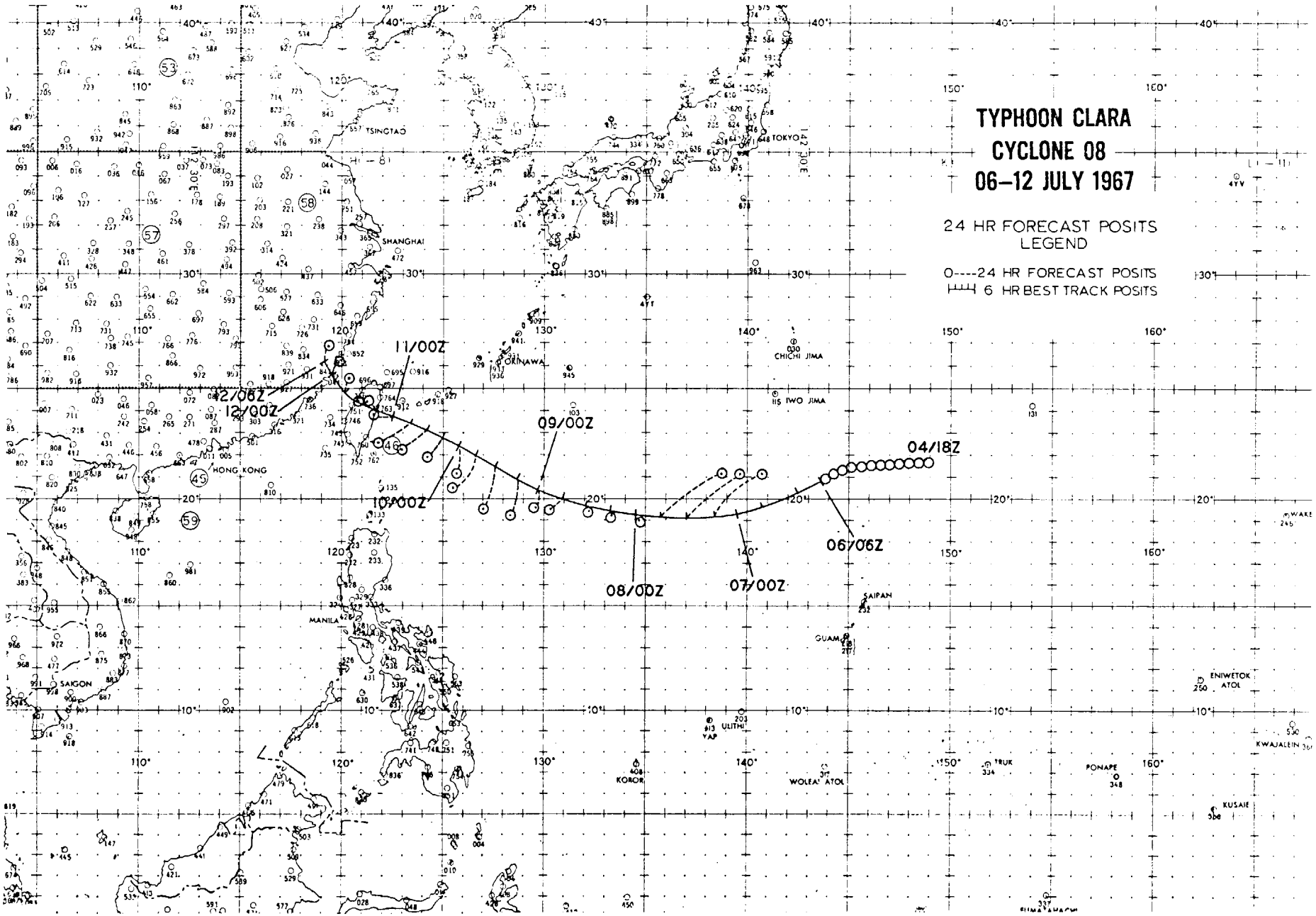
FIX NO.	TIME	POSIT	UNIT-METHOD -ACCY	FLT LVL	FLT LVL WND	OBS SFC WND	OBS MIN SLP	MIN 700MB HGT	FLT LVL TT/TD	EYE FORM	ORIEN-TATION	EYE DIA	THKNS WALL CLOUD
49	110130Z	23.9N 122.4E	LND RDR		---	---	---	---	--/--	----			--
50	110200Z	23.8N 122.3E	LND RDR		---	---	---	---	--/--	----			--
51	110222Z	24.0N 122.3E	LND RDR		---	---	---	---	--/--	----			--
52	110230Z	23.8N 122.3E	LND RDR		---	---	---	---	--/--	----			--
53	110300Z	23.9N 122.2E	LND RDR		---	---	---	---	--/--	----			--
54	110344Z	23.8N 122.3E	S4-P-P02	500MB	075	070	965	2817	17/09	CIRC	----	20	10
55	110430Z	23.9N 122.1E	LND RDR		---	---	---	---	--/--	----			--
56	110600Z	24.0N 121.6E	LND RDR		---	---	---	---	--/--	----			--
57	110611Z	23.0N 121.0E	SLTLS	STG X	DIA 04	BNDS 3							
58	111930Z	24.7N 120.2E	VW-UNK--		---	---	---	---	--/--	----			--
59	112030Z	24.9N 120.1E	VW-UNK--		---	---	---	---	--/--	----			--

TROPICAL CYCLONE 08 -- 07/06/0600Z TO 07/12/0600Z

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.
060600Z	20.8N	143.6E	--------	--------	--------
061200Z	20.1N	142.3E	--------	--------	--------
061800Z	19.5N	140.9E	--------	--------	--------
070000Z	19.2N	139.5E	--------	--------	--------
070600Z	19.1N	138.3E	049-0180	--------	--------
071200Z	19.1N	137.0E	052-0192	--------	--------
071800Z	19.1N	135.8E	056-0210	--------	--------
080000Z	19.2N	134.5E	153-0012	--------	--------
080600Z	19.3N	133.2E	180-0006	065-0252	--------
081200Z	19.5N	132.0E	134-0006	069-0258	--------
081800Z	19.9N	130.9E	226-0030	075-0264	--------
090000Z	20.4N	129.8E	180-0054	134-0048	--------
090600Z	20.9N	128.7E	191-0102	180-0072	088-0288
091200Z	21.4N	127.7E	198-0114	180-0084	--------
091800Z	22.0N	126.7E	215-0114	199-0072	098-0294
100000Z	22.4N	125.8E	180-0078	180-0078	--------
100600Z	22.7N	125.0E	226-0066	204-0150	180-0054
101200Z	23.1N	124.2E	228-0084	212-0156	--------
101800Z	23.4N	123.4E	238-0096	236-0138	000-0024
110000Z	23.7N	122.6E	282-0054	198-0078	--------
110600Z	24.0N	121.7E	300-0030	247-0090	215-0168
111200Z	24.3N	120.8E	046-0006	258-0084	--------
111800Z	24.8N	120.1E	012-0030	270-0090	255-0126
120000Z	25.5N	119.5E	022-0030	355-0078	--------

AVERAGE 24 HOUR ERROR - 0074 MI.
AVERAGE 48 HOUR ERROR - 0124 MI.
AVERAGE 72 HOUR ERROR - 0159 MI.


TYPHOON CLARA
CYCLONE 08
06–12 JULY 1967
24 HR FORECAST POSITS
LEGEND
O----24 HR FORECAST POSITS
6 HR BEST TRACK POSITS
04/18Z
06/06Z
07/00Z
08/00Z
09/00Z
10/00Z
11/00Z
12/06Z
12/00Z
TSINGTAO
SHANGHAI
TOKYO
OKINAWA
CHICHI JIMA
IWO JIMA
HONG KONG
MANILA
SAIGON
SAIPAN
GUAM
ULITHI
YAP
KOROR
WOLEAI ATOL
TRUK
PONAPE
KUSAIE
ENIWETOK ATOL
KWAJALEIN
WAKE