TROPICAL CYCLONE 04 - 06/22/0000Z TO 06/28/1800Z

I. DATA

A. STATISTICS

1. NUMBER OF WARNINGS ISSUED - 28
2. NUMBER OF WARNINGS WITH TYPHOON INTENSITY - 19
3. TOTAL DISTANCE TRAVELED DURING TROPICAL WARNING PERIOD - 2286 MI

B. CHARACTERISTICS AS A TYPHOON

1. MINIMUM OBSERVED SLP - 914MBS AT 252100Z
2. MINIMUM OBSERVED 700MB HEIGHT - 2095M. AT 260227Z
3. MAXIMUM SURFACE WIND - 170 KTS (FROM BEST TRACK)
4. MAXIMUM RADIUS OF SURFACE CIRCULATION - 600 MI

II. DEVELOPMENT

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

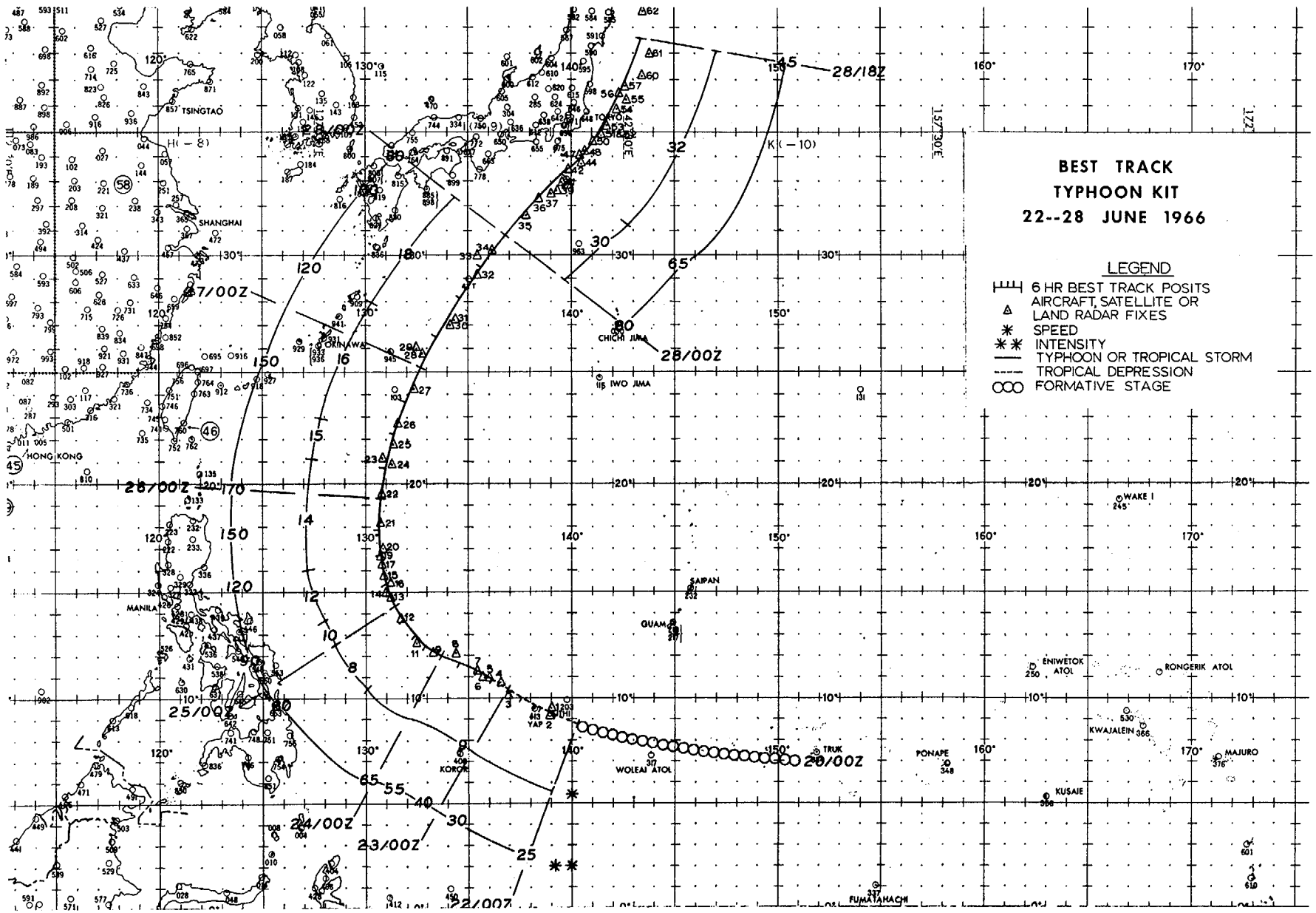
B. INITIAL SURFACE VORTEX

1. JUNCTION VORTEX AT 200000Z
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


BEST TRACK
TYPHOON KIT
22--28 JUNE 1966
LEGEND
6 HR BEST TRACK POSITS
AIRCRAFT, SATELLITE OR LAND RADAR FIXES
SPEED
INTENSITY
TYPHOON OR TROPICAL STORM
TROPICAL DEPRESSION
FORMATIVE STAGE
TSINGTAO
SHANGHAI
HONG KONG
MANILA
OKINAWA
CHICHI JIMA
IWO JIMA
SAIPAN
GUAM
WAKE I
ENIWETOK ATOL
RONGERIK ATOL
KWAJALEIN
MAJURO
KUSAIE
PONAPE
TRUK
WOLEAI ATOL
YAP
KOROR
FUMATAHACHI
157°30'E
172°
28/18Z
28/00Z
27/00Z
26/00Z
25/00Z
24/00Z
23/00Z
22/00Z

EYE FIXES CYCLONE 04

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	220407Z	09.5N 139.0E	TIROS	STG D	DIA 03	BNDS 1							
2	220844Z	09.3N 138.9E	54-P-P02	0460M	018	025	001	---	--/--	CIRC	----	40	N.F.B.
3	222045Z	10.1N 136.9E	54-P-P05	0460M	030	030	001	---	--/--	----			--
4	230200Z	10.8N 136.5E	54-P-P05	0460M	041	040	998	---	--/--	CIRC	----	15	F.B.
5	230511Z	11.0N 136.0E	TIROS	STG C	DIA --	BNDS -							
6	230848Z	10.9N 135.8E	VW-P-P05	0440M	---	030	995	---	--/--	CIRC	----	20	F.B.
7	231430Z	11.3N 135.4E	VW-R-F05	4270M	034	---	---	---	--/--	CIRC	----	25	F.B.
8	232113Z	12.1N 134.4E	54-P-P02	700MB	045	065	998	3054	13/--	CIRC	----	30	F.B.
9	240250Z	12.2N 133.3E	54-P-P02	700MB	050	070	992	3018	15/--	CIRC	----	10	05
10	240436Z	12.0N 133.0E	TIROS	STG X	DIA 04	BNDS 3							
11	240859Z	12.7N 132.5E	VW-P-P05	0270M	---	065	988	---	--/--	CIRC	----	10	09
12	242107Z	13.7N 131.8E	54-P-P03	700MB	056	080	975	2863	14/--	CIRC	----	20	--
13	250308Z	14.8N 131.3E	54-P-P02	700MB	075	080	965	2804	17/--	CIRC	----	13	07
14	250403Z	15.0N 131.0E	TIROS	STG X	DIA 04	BNDS 3							
15	250800Z	15.7N 130.9E	VW-UNK--	0390M	---	---	---	---	--/--	----			--
16	250834Z	15.6N 131.2E	VW-R-P--	0390M	---	---	---	---	--/--	CIRC	----	14	--
17	250908Z	16.3N 130.8E	VW-R-P05	0390M	---	065	---	---	--/--	CIRC	----	14	05
18	251000Z	16.6N 130.7E	VW-UNK--	1200M	---	---	---	---	--/--	----			--
19	251200Z	16.7N 130.7E	VW-UNK--	1040M	---	---	---	---	--/--	----			--
20	251436Z	17.0N 130.9E	VW-R-P05	1020M	---	---	---	---	--/--	CIRC	----	09	05
21	252100Z	18.3N 130.7E	54-P-P03	700MB	060	170	914	2310	22/--	CIRC	----	07	03
22	260227Z	19.6N 130.7E	54-P-P03	700MB	122	180	---	2095	27/--	CIRC	----	09	03
23	260800Z	21.1N 130.7E	VW-UNK--	0380M	---	---	---	---	--/--	----			--
24	260850Z	20.9N 131.2E	VW-R-P02	0310M	070	075	---	---	--/--	CIRC	----	07	07

EYE FIXES CYCLONE 04

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	261200Z	21.8N 131.3E	VW-UNK--	0850M	---	---	---	---	--/--	----			--
26	261432Z	22.7N 131.6E	VW-R-P05	3200M	---	---	---	---	--/--	CIRC	----	06	--
27	262110Z	24.3N 132.3E	S4-P-P02	700MB	100	150	912	2338	18/--	CIRC	----	08	10
28	270248Z	25.8N 132.8E	S4-P-P02	700MB	075	150	938	2545	17/--	CIRC	----	13	10
29	270436Z	26.0N 132.5E	TIROS	STG X	DIA 06 BNDS 4								
30	270836Z	27.0N 134.1E	VW-UNK--	0290M	---	---	---	---	--/--	CIRC	----	15	--
31	270908Z	27.2N 134.2E	VW-R-P05	0290M	120	090	---	---	--/--	CIRC	----	11	10
32	271500Z	29.1N 135.3E	VW-R-F02	700MB	---	---	---	---	--/--	----			--
33	271800Z	30.0N 135.3E	LND RDR		---	---	---	---	--/--	----			--
34	272100Z	30.2N 136.1E	S4-P-P03	700MB	050	075	962	2749	14/--	CIRC	----	30	F.B.
35	280300Z	31.7N 137.9E	S4-P-P03	700MB	066	065	964	2801	12/--	CIRC	----	30	F.B.
36	280300Z	32.3N 138.5E	LND RDR		---	---	---	---	--/--	----			--
37	280402Z	32.5N 139.0E	TIROS	STG X	DIA 06 BNDS 3								
38	280430Z	32.6N 138.9E	LND RDR		---	---	---	---	--/--	----			--
39	280500Z	32.6N 139.2E	LND RDR		---	---	---	---	--/--	----			--
40	280530Z	32.8N 139.3E	LND RDR		---	---	---	---	--/--	----			--
41	280600Z	32.9N 139.6E	LND RDR		---	---	---	---	--/--	----			--
42	280600Z	33.3N 139.8E	LND RDR		---	---	---	---	--/--	----			--
43	280700Z	33.3N 140.0E	LND RDR		---	---	---	---	--/--	----			--
44	280800Z	33.7N 140.4E	LND RDR		---	---	---	---	--/--	----			--
45	280800Z	33.8N 140.2E	LND RDR		---	---	---	---	--/--	----			--
46	280830Z	33.9N 140.3E	LND RDR		---	---	---	---	--/--	----			--
47	280835Z	34.0N 140.3E	VW-UNK--		---	---	---	---	--/--	----			--
48	280900Z	34.2N 140.5E	LND RDR		---	---	---	---	--/--	----			--

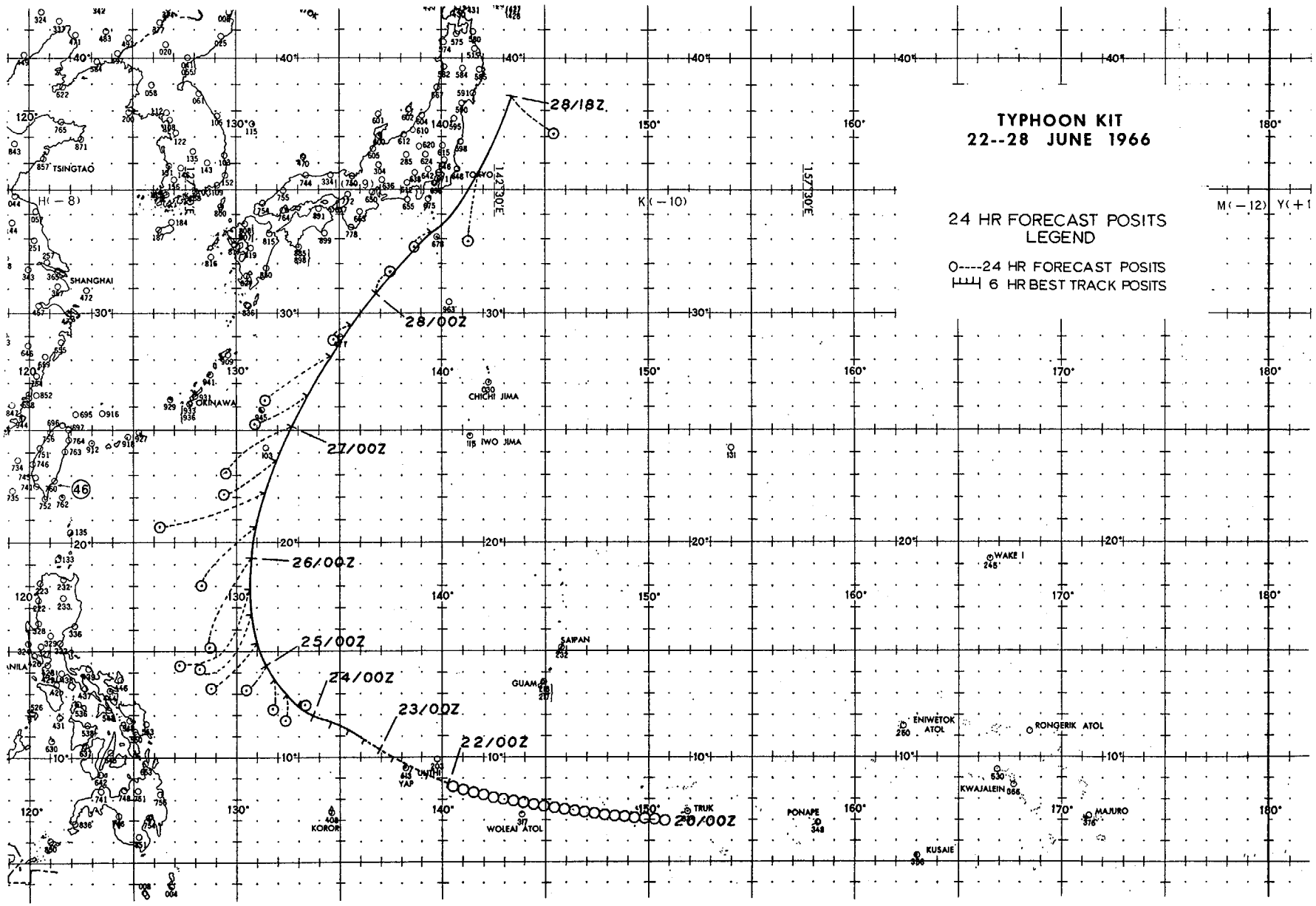
EYE FIXES CYCLONE 04

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	280911Z	34.1N 140.3E	VW-P-P02	0320M	---	055	968	---	--/--	CIRC	----	25	--
50	281000Z	34.5N 141.0E	LND RDR		---	---	---	---	--/--	----			--
51	281100Z	34.8N 141.4E	LND RDR		---	---	---	---	--/--	----			--
52	281145Z	34.8N 141.4E	VW-UNK--		---	---	---	---	--/--	----			--
53	281200Z	35.3N 141.9E	LND RDR		---	---	---	---	--/--	----			--
54	281300Z	36.0N 142.2E	LND RDR		---	---	---	---	--/--	----			--
55	281400Z	36.4N 142.7E	LND RDR		---	---	---	---	--/--	----			--
56	281400Z	36.5N 142.4E	VW-UNK--		---	---	---	---	--/--	----			--
57	281430Z	36.7N 142.6E	VW-R-P05		---	---	---	---	--/--	----			--
58	281500Z	36.9N 142.9E	LND RDR		---	---	---	---	--/--	----			--
59	281500Z	36.9N 143.2E	LND RDR		---	---	---	---	--/--	----			--
60	281600Z	37.2N 143.4E	LND RDR		---	---	---	---	--/--	----			--
61	281700Z	38.0N 143.9E	LND RDR		---	---	---	---	--/--	----			--
62	282130Z	39.7N 143.5E	54-P-F02	700MB	060	045	---	---	--/--	----			N.F.B.

TROPICAL CYCLONE 04 - 06/22/0000Z TO 06/28/1800Z
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.
230600Z	10.9N	136.2E	128-0210	--------	--------
231200Z	11.3N	135.4E	180-0054	--------	--------
231800Z	11.6N	134.6E	180-0060	--------	--------
240000Z	12.0N	133.7E	193-0054	--------	--------
240600Z	12.4N	132.9E	090-0012	--------	--------
241200Z	13.0N	132.3E	180-0072	--------	--------
241800Z	13.7N	131.8E	180-0084	--------	--------
250000Z	14.4N	131.4E	217-0090	--------	--------
250600Z	15.3N	131.0E	227-0174	204-0114	--------
251200Z	16.6N	130.8E	226-0210	202-0258	--------
251800Z	17.9N	130.7E	225-0288	202-0306	--------
260000Z	19.4N	130.8E	204-0282	219-0396	--------
260600Z	20.7N	130.9E	223-0216	226-0528	217-0438
261200Z	22.2N	131.3E	253-0294	226-0582	--------
261800Z	23.7N	131.9E	236-0168	229-0690	215-0690
270000Z	25.2N	132.7E	235-0210	220-0654	--------
270600Z	26.5N	133.5E	241-0156	231-0606	230-0954
271200Z	28.1N	134.6E	239-0204	252-0624	--------
271800Z	29.5N	135.7E	237-0060	242-0492	232-1122
280000Z	30.9N	136.9E	030-0048	241-0486	--------
280600Z	33.1N	139.3E	226-0042	237-0372	238-1104
281200Z	35.5N	141.8E	191-0156	235-0426	--------
281800Z	38.5N	143.2E	131-0126	196-0204	233-0768

AVERAGE 24 HOUR ERROR - 0142 MI.
AVERAGE 48 HOUR ERROR - 0449 MI.
AVERAGE 72 HOUR ERROR - 0846 MI.


TYPHOON KIT
22--28 JUNE 1966
24 HR FORECAST POSITS
LEGEND
0----24 HR FORECAST POSITS
6 HR BEST TRACK POSITS
28/18Z
28/00Z
27/00Z
26/00Z
25/00Z
24/00Z
23/00Z
22/00Z
20/00Z
TSINGTAO
SHANGHAI
TOKYO
OKINAWA
CHICHI JIMA
IWO JIMA
SAIPAN
GUAM
WAKE I
ENIWETOK ATOL
RONGERIK ATOL
KWAJALEIN
MAJURO
TRUK
PONAPE
KUSAIE
WOLEAI ATOL
YAP
KOROR
H(-8)
K(-10)
M(-12)
Y(+1
142°30'E
157°30'E