TYPHOON WILDA - 190600Z to 250000Z SEPTEMBER

I. DATA

A. Statistics

1. Calendar days of tropical warning - 6¼
2. Calendar days of typhoon intensity - 5½
3. Total distance traveled during tropical warning period - 1578 mi

B. Characteristics as a typhoon

1. Minimum observed SLP - 905mb, 202200Z
2. Minimum observed 700mb height - 2246m, 210300Z
3. Maximum surface wind - 150 kts
4. Max radius of surface circulation - 675 mi

II. DEVELOPMENT

A. Initial impetus - Superposition of polar trough with easterly wave and subsequent fracture

B. Initial surface vortex

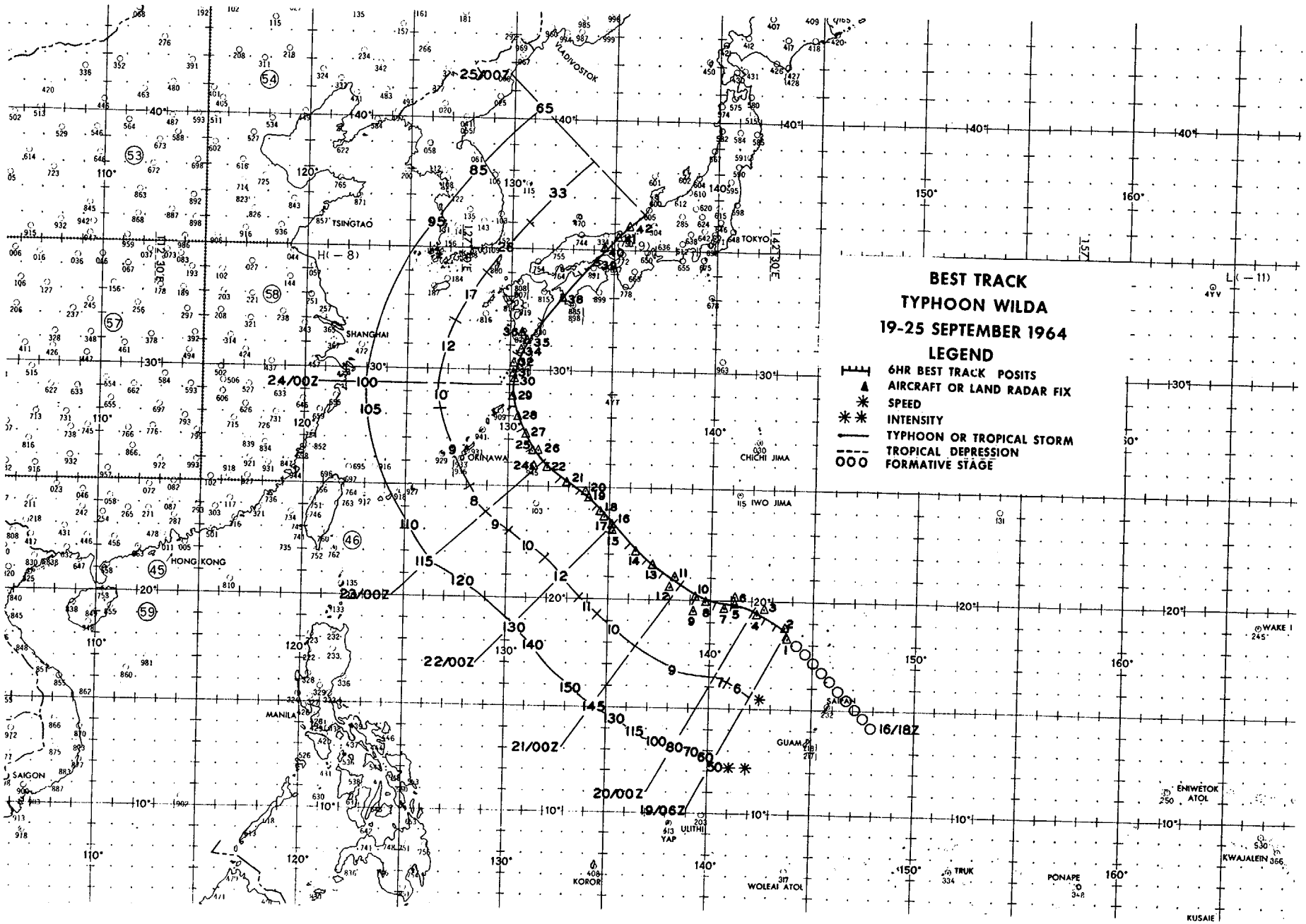
1. Junction vortex at 161800Z
2. Surface pressure less than 1008mb

C. 200mb flow above surface vortex

1. Initial - NW quadrant of anticyclone
2. Upon reaching typhoon intensity - Centered under outdraft

III. FINAL DISPOSITION

A. Extratropical


BEST TRACK
TYPHOON WILDA
19-25 SEPTEMBER 1964
LEGEND
6HR BEST TRACK POSITS
AIRCRAFT OR LAND RADAR FIX
SPEED
INTENSITY
TYPHOON OR TROPICAL STORM
TROPICAL DEPRESSION
FORMATIVE STAGE
VLADIVOSTOK
TSINGTAO
SHANGHAI
TOKYO
ORINAWA
CHICHI JIMA
IWO JIMA
HONG KONG
MANILA
SAIGON
GUAM
SAIPAN
YAP
ULITHI
KOROR
WOLEAI ATOL
TRUK
PONAPE
KUSAIE
KWAJALEIN
ENIWETOK ATOL
WAKE I
25/00Z
24/00Z
23/00Z
22/00Z
21/00Z
20/00Z
19/06Z
16/18Z

EYE FIXES TYPHOON WILDA

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	REMARKS
1	190300Z	18.2N 143.8E	54-R-5	30000ft	--	50+	---	---	----	CIRC 10 MI DIA BRKN S QUAD
2	190947Z	18.7N 143.7E	VW1-R-5	1500ft	--	--	---	---	----	CIRC 10 MI DIA
3	191630Z	19.6N 142.7E	VW1-R-5	9000ft	--	--	---	---	----	ELLIP 50 MI NE/SW 35 MI NW/SE NEG WALL CLD
4	192200Z	19.4N 142.3E	54-R-5	30000ft	--	70	---	---	----	CIRC 25 MI DIA OPEN SW QUAD
5	200400Z	19.8N 141.2E	54-R-10	30000ft	--	--	---	---	----	CIRC 30 MI DIA
6	200605Z	20.1N 141.2E	56-P-10	700mb	70	130	959	2737	16/1	CIRC 25 MI DIA WALL CLD 20 MI THICK XCP 10 MI THICK S QUAD
7	200900Z	19.7N 140.6E	VW1-P-5	1000ft	--	85	953	2705	22/16	OVAL 23 MI E/W 17 MI N/S WALL CLD 5-8 MI THICK 700MB TEMP 17
8	201545Z	19.9N 139.7E	VW1-R-5	10700ft	--	--	---	---	----	CIRC 16 MI DIA WALL CLD 6 MI THICK
9	202208Z	19.5N 139.1E	54-R-25	30000ft	--	85	---	---	----	CIRC 18 MI DIA WALL CLD 3 TO 5 MI THICK
10	202200Z	20.2N 139.3E	56-P-3	700mb	115	140	905	2295	24/12	CIRC 20 MI DIA WALL CLD 5 TO 7 MI THICK 3 WALL CLDS TO N
11	210300Z	21.0N 138.2E	56-P-3	700mb	--	140	---	2246	30/19	CIRC 22 MI DIA WALL CLD 5 MI THICK
12	210530Z	20.6N 138.0E	54-R-5	30000ft	--	--	---	---	----	CIRC 18 MI DIA
13	210945Z	21.6N 137.2E	VW1-R-10	1500ft	--	--	---	---	----	CIRC 15 MI DIA WALL CLD 6 MI THICK

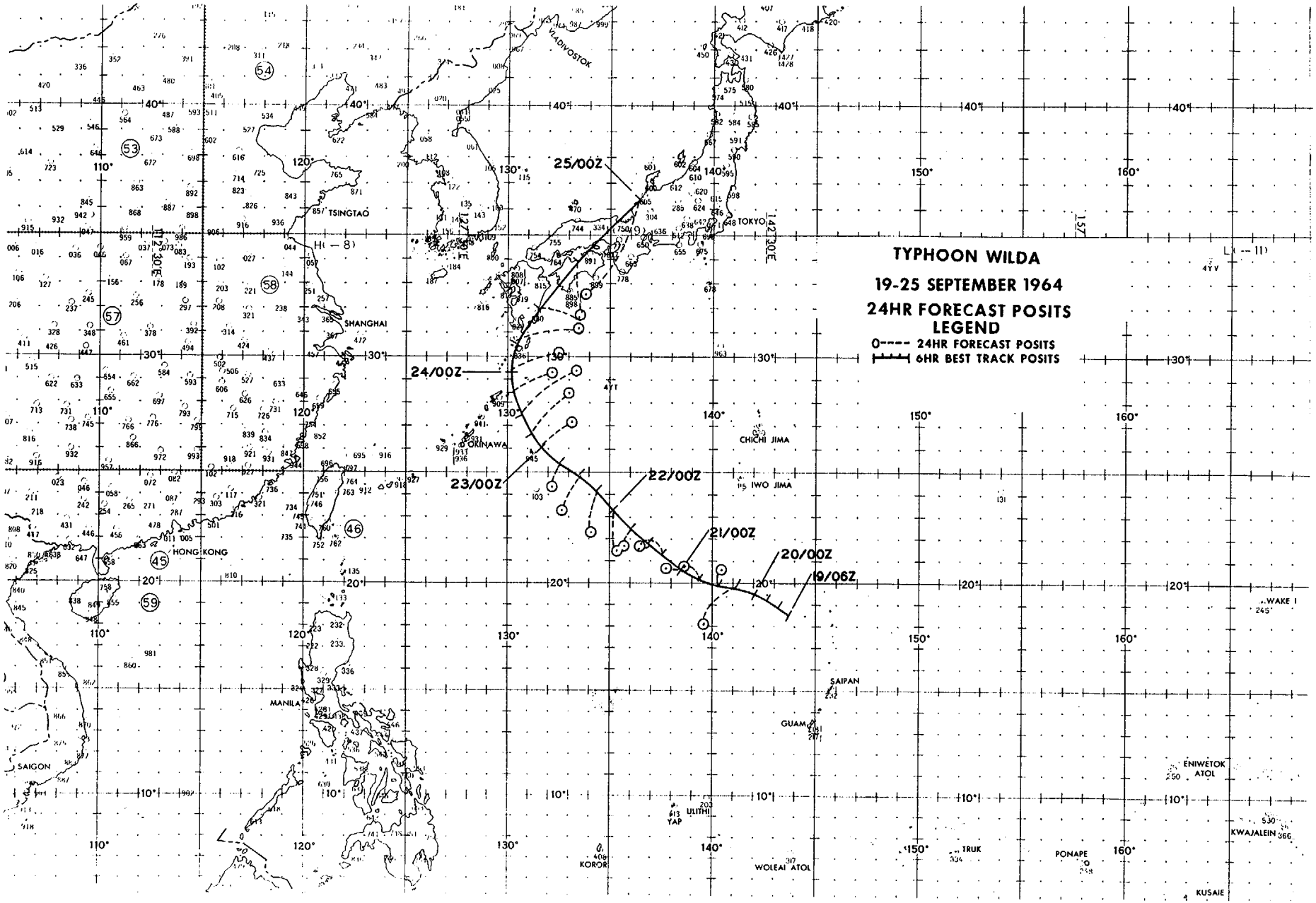
FIX NO.	TIME	POSIT	UNIT-METHOD-ACCY	FLT LVL	FLT LVL WND	OBS SFC WND	OBS MIN SLP	MIN 700MB HGT	FLT LVL TT/TD	REMARKS
14	211545Z	22.2N 136.3E	VW1-R-5	10000ft	--	--	---	---	----	CIRC 14 MI DIA WALL CLD 5 MI THICK
15	212305Z	23.1N 135.2E	54-R-10	30000ft	--	100	---	---	----	CIRC 15 MI DIA
16	212310Z	23.3N 135.2E	56-P-3	692mb	--	125	923	2405	22/17	CIRC 12 MI DIA WALL CLDS WEAK ALL QUADS
17	220300Z	23.7N 134.7E	56-P-3	700mb	--	125	923	2414	21/17	CIRC 14 MI DIA WALL CLDS WEAK ALL QUADS
18	220400Z	23.9N 134.4E	54-R-5	30000ft	--	--	---	---	----	CIRC 15 MI DIA
19	220751Z	24.5N 134.0E	TIROS	---	--	--	---	---	----	EYE VSBL
20	220945Z	24.8N 133.8E	VW1-R-3	1000ft	--	--	---	---	----	CIRC CONCENTRIC 45 MI DIA & 19 MI DIA WALL CLDS 6 TO 9 MI THICK
21	221545Z	25.2N 132.9E	VW1-R-2	10000ft	--	--	---	---	----	CIRC 38 MI DIA WEAK WALL CLDS ALL QUADS 3 MI THICK
22	222200Z	25.8N 131.9E	54-R-10	30000ft	--	--	---	---	----	OVAL 35 MI N/S 30 MI E/W WALL CLD 6 MI THICK
23	222210Z	25.9N 131.7E	56-P-2	700mb	--	85	933	2506	19/15	CIRC 40 MI DIA WALL CLD 5-7 MI THICK
24	222300Z	25.9N 131.3E	LND/RDR	---	--	--	---	---	----	
25	230355Z	26.5N 131.2E	56-P-1	700mb	--	85	935	2524	17/12	CIRC 39 MI DIA
26	230400Z	26.5N 131.4E	54-R-0	30000ft	--	100	---	---	----	CONCENTRIC, OUTER EYE OVAL 110X 90 MI INNER EYE CIRC 25 MI DIA

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	REMARKS
27	230945Z	27.2N 130.8E	VW1-R-1	1500ft	--	--	---	---	----	CIRC 25 MI DIA WALL CLD 5 MI THICK SFC WND 75 KTS 100 MI W OF EYE
28	231545Z	28.0N 130.4E	VW1-R-2	3000ft	--	--	---	---	----	CIRC 26 MI DIA WALL CLD 6 MI THICK
29	232142Z	28.9N 130.2E	54-R-1	30000ft	--	--	---	---	----	OVAL 30X22 MI WALL CLD 4 MI THICK
30	240100Z	29.7N 130.3E	LND/RDR	---	--	--	---	---	----	
31	240300Z	29.9N 130.2E	LND/RDR	---	--	--	---	---	----	
32	240500Z	30.3N 130.2E	LND/RDR	---	--	--	---	---	----	
33	240535Z	30.5N 130.3E	56-P-1	500mb	110	100	943	2609	4/1	CIRC 55 MI DIA BRKN WALL CLDS 10 MI THICK 700MB TEMP 18
34	240700Z	30.8N 130.5E	LND/RDR	---	--	--	---	---	----	
35	240800Z	31.1N 130.8E	56-P-1	500mb	110	100	941	2610	3/0	CIRC 30 MI DIA WEAK WALL CLDS
36	240754Z	31.5N 130.5E	TIROS	---	--	--	---	---	----	EYE VSBL
37	240945Z	31.3N 130.8E	VW1-R-3	1500ft	--	--	---	---	----	ELLIP 30 MI NW/SE 23 MI NE/SW BCMG DIFFUSED SFC WND 75 KTS 85 MI ESE OF EYE
38	241546Z	33.1N 132.6E	VW1-R-2	11000ft	--	--	---	---	----	CIRC 11 MI DIA VERY WEAK WALL CLDS
39	242000Z	34.5N 134.2E	LND/RDR	---	--	--	---	---	----	
40	242100Z	35.1N 134.5E	LND/RDR	---	--	--	---	---	----	
41	242200Z	35.5N 135.2E	LND/RDR	---	--	--	---	---	----	
42	242300Z	36.0N 135.8E	LND/RDR	---	--	--	---	---	----	

TYPHOON WILDA 19 SEPT-25 SEPT 1964
POSITION AND FORECAST VERIFICATION DATA

DTG	STORM POSITION LAT.	LONG.	24 HOUR ERROR DEG. DISTANCE	48 HOUR ERROR DEG. DISTANCE
190600Z	18.5N	143.6E	------	------
191200Z	18.8N	143.2E	------	------
191800Z	19.2N	142.7E	------	-------
200000Z	19.5N	142.0E	------	------
200600Z	19.7N	141.1E	222-130	------
201200Z	19.9N	140.1E	028-54	------
201800Z	20.1N	139.4E	315-56	------
210000Z	20.7N	138.5E	258-44	------
210600Z	21.3N	137.7E	296-72	210-210
211200Z	21.8N	136.9E	239-22	225-47
211800Z	22.5N	135.9E	197-47	238-105
220000Z	23.3N	135.1E	173-116	217-120
220600Z	24.1N	134.2E	182-118	253-120
221200Z	24.9N	133.5E	205-110	218-115
221800Z	25.5N	132.4E	190-65	196-105
230000Z	26.0N	131.7E	052-165	183-180
230600Z	26.7N	131.1E	044-140	199-195
231200Z	27.5N	130.7E	050-184	212-187
231800Z	28.4N	130.3E	060-120	216-184
240000Z	29.4N	130.1E	068-132	068-255
240600Z	30.6N	130.4E	076-158	068-348
241200Z	32.0N	131.4E	101-100	072-386
241800Z	33.9N	133.5E	176-121	092-235
250000Z	36.3N	136.2E	210-253	138-136

AVERAGE 24 HOUR ERROR 110 MI
AVERAGE 48 HOUR ERROR 183 MI


TYPHOON WILDA
19-25 SEPTEMBER 1964
24HR FORECAST POSITS
LEGEND
0---- 24HR FORECAST POSITS
6HR BEST TRACK POSITS
25/00Z
24/00Z
23/00Z
22/00Z
21/00Z
20/00Z
19/06Z
VLADIVOSTOK
TSINGTAO
SHANGHAI
TOKYO
OKINAWA
CHICHI JIMA
IWO JIMA
HONG KONG
MANILA
SAIGON
SAIPAN
GUAM
YAP
ULITHI
KOROR
WOLEAI ATOL
TRUK
PONAPE
KUSAIE
KWAJALEIN
ENIWETOK ATOL
WAKE I
H(-8)
L(-11)
147°30'E
157°