TYPHOON WENDY - 091800Z to 180600Z JULY

I. DATA

A. Statistics

1. Calendar days of tropical warning - 9¼
2. Calendar days of typhoon intensity - 6¼
3. Total distance traveled during tropical warning period - 2100 mi.

B. Characteristics as a typhoon

1. Minimum observed SLP - 928mb, 130300Z
2. Minimum observed 700mb height - 2441m, 130300Z
3. Max radius of SFC circulation - 350 mi
4. Max surface winds - 135 kts

II. DEVELOPMENT

A. Initial impetus - Moderate inflow at surface from outdraft centered SW of initial vortex and strong divergent flow at 200mb.

B. Initial surface vortex

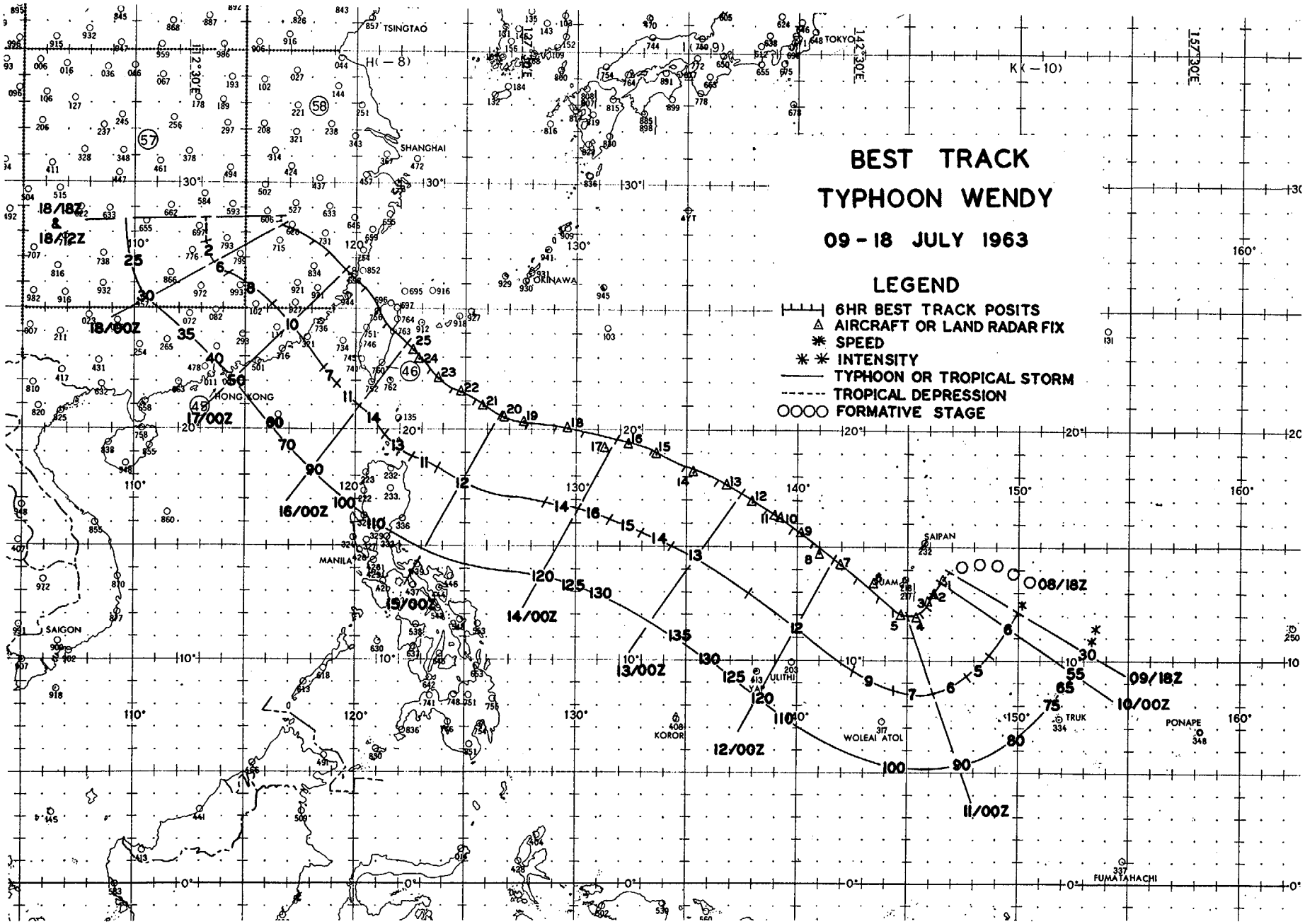
1. Junction vortex at 081800Z
2. Surface pressure less than 1010mb

C. Zenith flow at 200mb

1. Relative position surface vortex - SE quadrant of huge anticyclone.
2. Wind direction over vortex - NE

III. FINAL DISPOSITION

A. Dissipated over land.


BEST TRACK
TYPHOON WENDY
09 - 18 JULY 1963
LEGEND
6HR BEST TRACK POSITS
AIRCRAFT OR LAND RADAR FIX
SPEED
INTENSITY
TYPHOON OR TROPICAL STORM
TROPICAL DEPRESSION
FORMATIVE STAGE
TSINGTAO
SHANGHAI
TOKYO
OKINAWA
HONG KONG
MANILA
SAIGON
SAIPAN
GUAM
ULITHI
KOROR
WOLEAI ATOL
TRUK
PONAPE
FUMATAHACHI
18/18Z & 18/12Z
18/00Z
17/00Z
16/00Z
15/00Z
14/00Z
13/00Z
12/00Z
11/00Z
10/00Z
09/18Z
08/18Z

LAND RADAR AND AIRCRAFT FIXES - TYPHOON WENDY

FIX NO/TIME	LAT.	LONG.	UNIT METHOD & ACCY	MAX SFC WND	MAX 700MB WND	MIN 700MB HGT	RECON MIN SLP MBS	JTWC MIN SLP *MBS	700MB T/Td (°C)	EYE CHARACTERISTICS
1 092230Z	13.6N	146.6E	54-P-0	55	52	3121	1005	1003	18/13	ELLIP 25 MI E-W, 9 MI N-S, OPEN N, GEOG CENT 260°, 9 MI FROM PRESSURE CENT
2 100400Z	12.9N	146.3E	54-P-02	50	50	3036	995	994	17/13	ELLIP 40 MI NW-SE, 20 MI NE-SW, OPEN W&N QUADS
3 100930Z	12.5N	146.1E	VW1-R-03	-	-	-	-	-	- -	CIRC 30 MI DIA, OPEN W QUAD
4 102230Z	11.8N	145.1E	54-P-01	90	-	2792	964	968	15/12	ELLIP 15 MI N-S, 10 MI E-W, CLSD
5 110400Z	12.0N	144.5E	54-P-02	80	105	2630	942	948	18/09	CIRC 10 MI DIA
6 111555Z	13.4N	143.4E	VW1-R-05	-	-	-	-	-	- -	CIRC 12 MI DIA, CLSD, WALL CLD 4 MI THICK
7 112230Z	14.1N	141.9E	56-P-05	100	85	2790	946	965	18/12	CIRC 40 MI DIA, LIGHTNING IN EYE
8 120345Z	14.7N	141.0E	54-P-03	125	90	2658	954	949	21/18	CIRC 25 MI DIA, WEAK SE, GEOG & PRESSURE CNTR SAME
9 121000Z	15.7N	140.2E	VW1-R-10	-	-	-	-	-	- -	ELLIP 19 MI NE-SW, 14 MI NW-SE CLOSED
10 121352Z	16.3N	139.2E	USAF-R-U	-	-	-	-	-	- -	CIRC 40 MI DIA
11 121600Z	16.4N	139.0E	VW1-R-05	-	-	-	-	-	- -	CIRC 28 MI DIA, CLSD WALL CLD 5 MI THICK
12 122200Z	17.0N	137.8E	56-P-05	135	90	2520	930	938	17/11	CIRC 30 MI DIA, CLSD
13 130300Z	17.6N	136.8E	56-P-05	135	110	2441	925	928	17/13	CIRC 35 MI DIA, CLSD, GEOG CNTR 5 MI N OF PRESSURE CNTR

*Computed

LAND RADAR AND AIRCRAFT FIXES - TYPHOON WENDY (CONT'D)

FIX NO/TIME	LAT.	LONG.	UNIT METHOD & ACCY	MAX SFC WND	MAX 700MB WND	MIN 700MB HGT	RECON MIN SLP MBS	JTWC MIN SLP *MBS	700MB T/Td (°C)	EYE CHARACTERISTICS
14 131032Z	18.2N	135.2E	VW1-R-10	-	-	-	-	-	- -	CIRC 25 MI DIA,CLSD WALL CLD 9 MI THICK,MAX CLD TOPS 100 MI FROM CNTR EXCEPT 50 MI NE QUAD
15 131530Z	19.0N	133.5E	VW1-R-05	-	-	-	-	-	- -	CIRC 23 MI DIA,CLSD WALL CLD 4-6 MI THICK,CLD TOPS ABOVE 50,000 FT
16 132141Z	19.3N	132.4E	56-P-05	120	110	2493	927	935	16/11	CIRC 35 MI DIA, CLOSED
17 140400Z	19.2N	131.3E	54-E-U	80	100	-	-	-	- -	100 KT WND BND 100 MI E SEMI
18 140930Z	20.1N	129.6E	VW1-R-03	-	-	-	-	-	- -	CIRC 20 MI DIA,CLSD WALL CLD 9 MI THICK SW SEMI & 2-4 MI THICK NE SEMI
19 141559Z	20.3N	127.8E	VW1-R-03	-	-	-	-	-	- -	CONCENTRIC,INNER EYE ELLIP 14 MI N-S,17 MI E-W,CLSD WALL CLD 3 MI THICK,OUTER EYE CIRC 95 MI DIA
20 142200Z	20.3N	126.8E	56-P-04	65	110	2485	930	933	18/14	CIRC 15 MI DIA,CLSD
21 150400Z	20.9N	125.7E	54-P-03	120	95	2454	928	928	18/18	CIRC 10 MI DIA CLSD,GEOG & PRESSURE CNTR SAME
22 150915Z	21.4N	124.8E	VW1-R-03	-	-	-	-	-	- -	WALL CLD 7 MI THICK S SEMI, OPEN N
23 151600Z	22.2N	123.8E	VW1-R-03	-	-	-	-	-	- -	ELLIP 20 MI N-S,14 MI E-W, CLSD WALL CLD 4 MI THICK

*Computed

LAND RADAR AND AIRCRAFT FIXES - TYPHOON WENDY (CONT'D)

FIX NO/TIME	LAT.	LONG.	UNIT METHOD & ACCY	MAX SFC WND	MAX 700MB WND	MIN 700MB HGT	RECON MIN SLP MBS	JTWC MIN SLP *MBS	700MB T/Td (°C)	EYE CHARACTERISTICS
24 152000Z	22.8N	122.9E	LND/RDR	-	-	-	-	-	- -	---
25 152200Z	23.2N	122.6E	56-P-05	75	80	2648	943	950	17/15	CIRC 10 MI DIA, CLSD WALL CLD WEAK ALL QUADS

*Computed

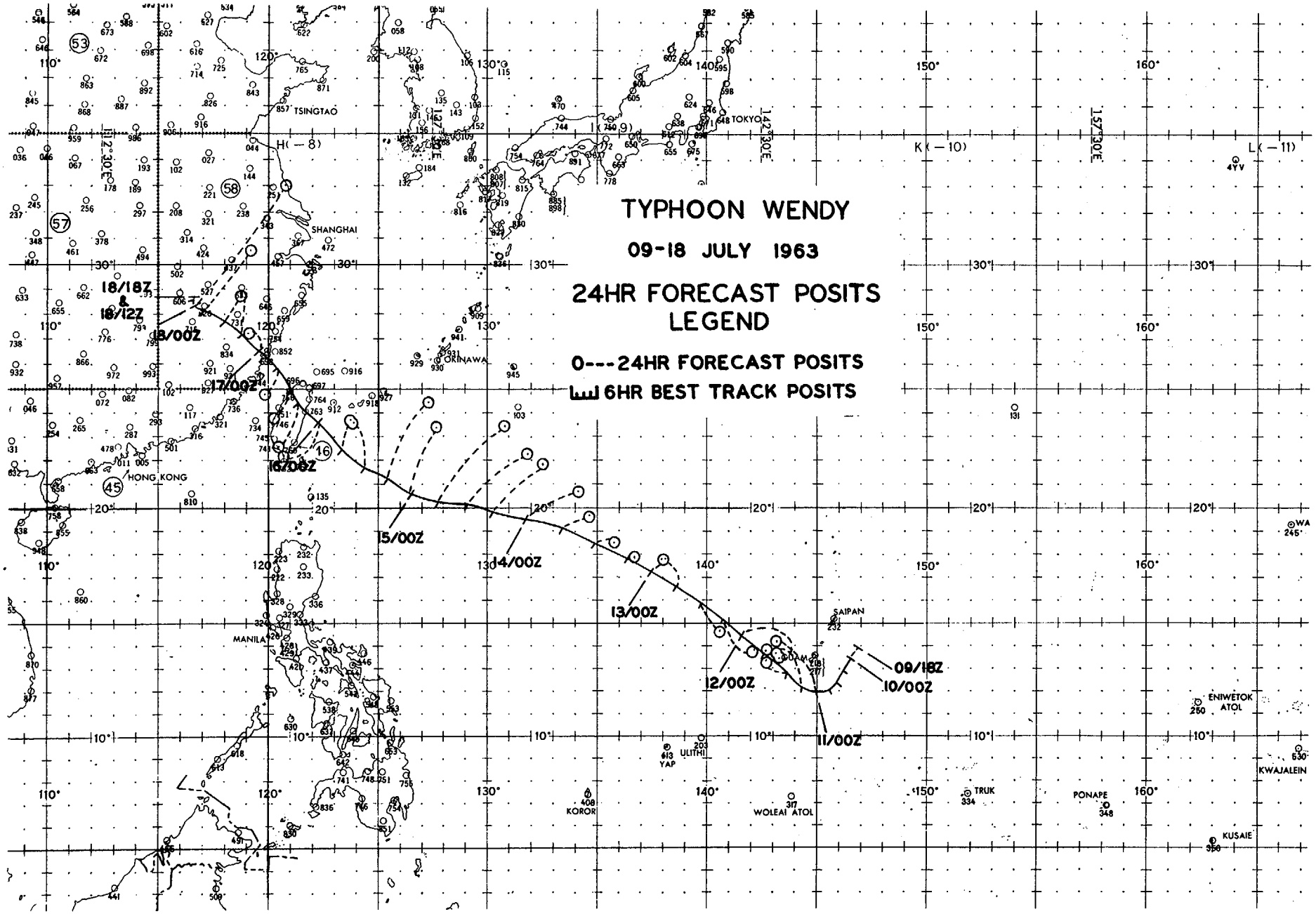
TYPHOON WENDY 09 JUL-18 JUL 1963
POSITION AND FORECAST VERIFICATION DATA

DTG	STORM POSITION LAT.	LONG.	24 HOUR ERROR DEG. DISTANCE	48 HOUR ERROR DEG. DISTANCE
091800Z	13.9N	146.9E	------	------
100000Z	13.4N	146.6E	------	------
100600Z	12.8N	146.2E	------	------
101200Z	12.3N	145.9E	------	------
101800Z	11.9N	145.5E	------	------
110000Z	11.8N	145.0E	320-175	------
110600Z	12.1N	144.3E	323-115	------
111200Z	12.8N	143.6E	311-69	------
111800Z	13.6N	142.6E	090-6	------
120000Z	14.3N	141.6E	125-105	282-148
120600Z	15.1N	140.7E	132-105	252-93
121200Z	15.9N	139.8E	152-92	255-89
121800Z	16.6N	138.6E	292-38	270-76
130000Z	17.2N	137.5E	122-40	237-213
130600Z	17.8N	136.3E	081-25	134-175
131200Z	18.4N	134.9E	090-55	106-39
131800Z	19.1N	133.4E	067-77	360-165
140000Z	19.5N	131.8E	065-150	092-172
140600Z	19.9N	130.3E	047-166	070-208
141200Z	20.1N	129.1E	052-203	072-270
141800Z	20.1N	127.8E	044-260	062-365
150000Z	20.5N	126.5E	023-188	057-450
150600Z	21.1N	125.4E	029-224	045-457
151200Z	21.6N	124.4E	345-117	056-402
151800Z	22.5N	123.4E	015-73	049-453
160000Z	23.5N	122.2E	226-111	040-356
160600Z	24.4N	121.4E	209-129	052-353
161200Z	25.0N	121.0E	206-90	330-160
161800Z	25.8N	120.3E	203-64	330-113

TYPHOON WENDY 09 JUL-18 JUL 1963
POSITION AND FORECAST VERIFICATION DATA (CONT'D)

DTG	STORM POSITION LAT.	LONG.	24 HOUR ERROR DEG.	DISTANCE	48 HOUR ERROR DEG.	DISTANCE
170000Z	26.5N	119.5E	323	50	250	103
170600Z	27.2N	118.8E	360	82	211	105
171200Z	27.7N	118.0E	034	82	200	60
171800Z	28.1N	117.1E	037	174	170	13
180000Z	28.3N	116.5E	------		------	
180600Z	28.4N	116.5E	------		------	
181200Z	28.5N	116.5E	------		------	
181800Z	28.5N	116.5E	------		------	

AVERAGE 24 HOUR ERROR 109 MI
AVERAGE 48 HOUR ERROR 210 MI


TYPHOON WENDY
09-18 JULY 1963
24HR FORECAST POSITS
LEGEND
0---24HR FORECAST POSITS
6HR BEST TRACK POSITS
TSINGTAO
SHANGHAI
TOKYO
OKINAWA
HONG KONG
MANILA
SAIPAN
YAP
ULITHI
KOROR
WOLEAI ATOL
TRUK
PONAPE
ENIWETOK ATOL
KWAJALEIN
KUSAIE
18/18Z & 18/12Z
18/00Z
17/00Z
16/00Z
15/00Z
14/00Z
13/00Z
12/00Z
11/00Z
10/00Z
09/18Z
H(-8)
I(-9)
K(-10)
L(-11)
112°30'E
127°30'E
142°30'E
157°30'E