TYPHOON WANDA - 271200Z AUGUST-011800Z SEPTEMBER 1962

I. DATA

A. Statistics

1. Calendar days of tropical warning - 5¼

2. Calendar days of typhoon intensity - 3¼

3. Total distance traveled during tropical warning period - 1434 MI

B. Characteristics as a typhoon

1. Min observed SLP - 949mb, 310930Z

2. Min observed 850mb height - 3500 ft, 310930Z

3. Min observed 700mb height - 8840 ft, 310930Z

4. Max vertical development - 35,000 ft, 311200Z

II. DEVELOPMENT

A. Initial impetus - Superposition and fracture of MPT and easterly wave on the 200mb level followed by surge in easterlies apparently originating from Southern Hemisphere outdraft on the 200mb level.

B. Initial surface vortex

1. Junction vortex at 230000Z

2. Surface pressure less than 1011mb

3. Maximum surface wind - 10 kts

C. Zenith flow at 200mb

1. Relative position surface vortex - NE quadrant of Southern Hemisphere anticyclone

2. Wind velocity over vortex - 120/15 kts

III. STEERING

A. Prior to recurvature - 500mb

B. During and after recurvature - NA

IV. DISSIPATION

A. Causative factor - Land strike and cold air

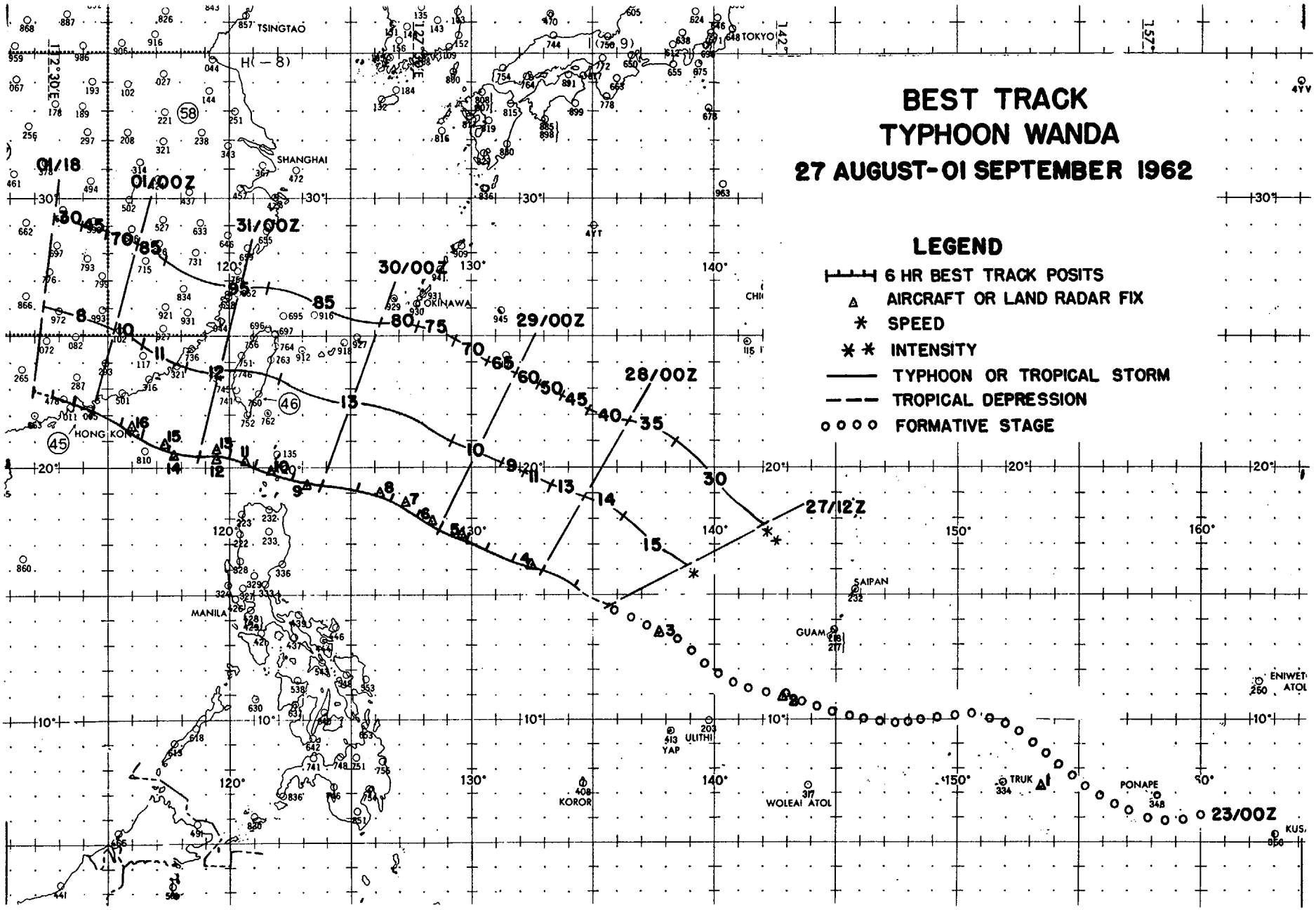
B. Final disposition - Dissipated over land

V. DAMAGE

A. Total lives lost - 434

B. Total monetary value - Millions of dollars

C. Types of property - Ships, boats, buildings, cars, power and communication lines


BEST TRACK
TYPHOON WANDA
27 AUGUST-01 SEPTEMBER 1962
LEGEND
6 HR 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
SAIPAN
GUAM
YAP
ULITHI
KOROR
WOLEAI ATOL
TRUK
PONAPE
ENIWETOK ATOL
01/18
01/00Z
31/00Z
30/00Z
29/00Z
28/00Z
27/12Z
23/00Z

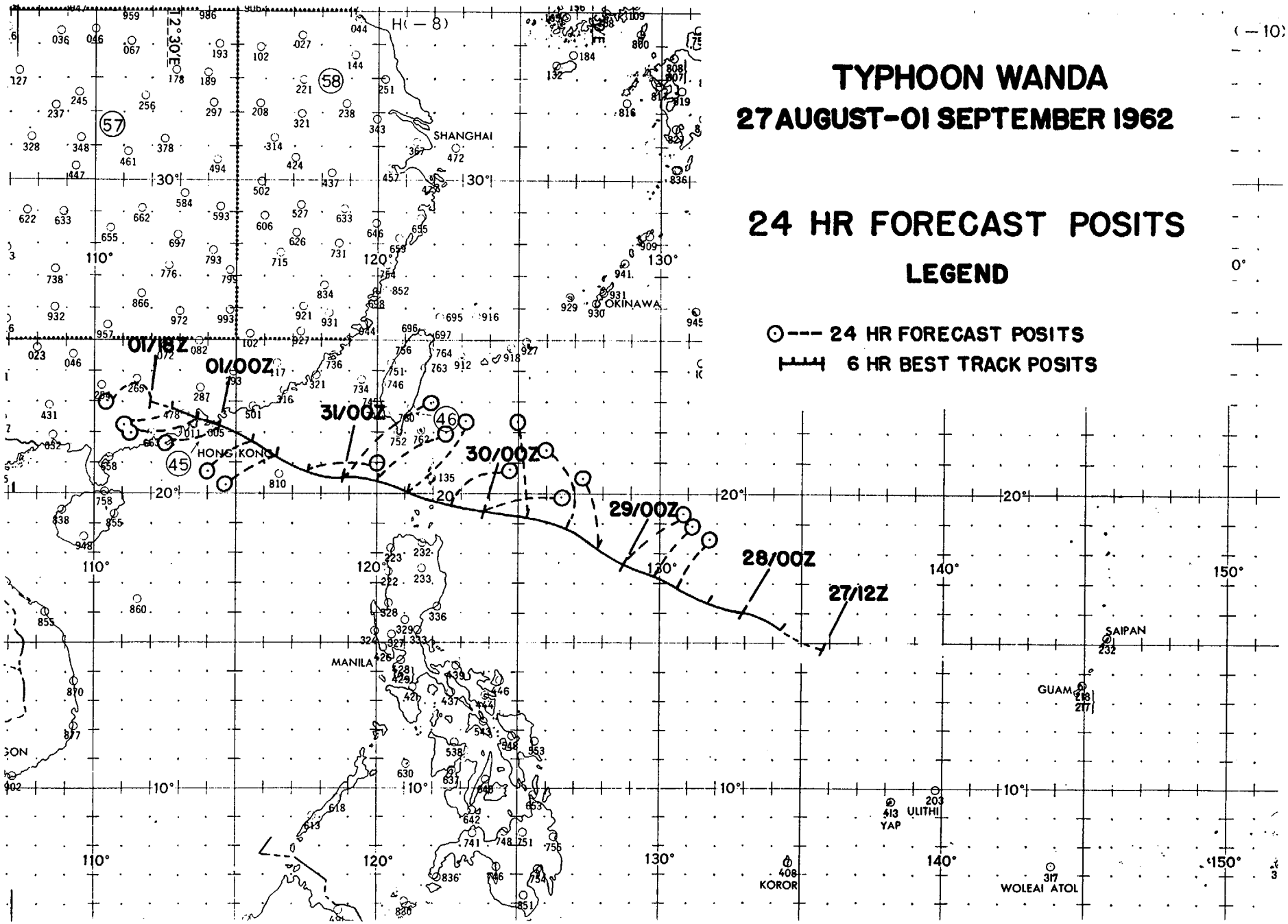
LAND RADAR AND AIRCRAFT FIXES - TYPHOON WANDA

FIX NO.	TIME	LAT.	LONG.	UNIT METHOD & ACCY	MAX SFC WND	MAX 700MB WND	MIN 700MB HGT	MIN SLP MBS	700MB T/Td (°C)	EYE CHARACTERISTICS
1	240415Z	07.2N	153.5E	VW1-P-20	10	-	-	1005	- -	---
2	260345Z	10.8N	142.8E	VW1-P-30	15	-	-	1001	- -	---
3	270300Z	13.5N	137.7E	VW1-P-U	25	-	-	1000	- -	90 MI E-W & 50 MI N-S
4	280211Z	16.2N	132.5E	VW1-P-03	40	-	9745	-	13/07	CIRC 55 MI DIA
5	282300Z	17.4N	129.7E	54-P-03	60	55	9870	992	14/-	CIRC 8 MI DIA
6	290330Z	17.9N	128.3E	54-P-03	65	55	9870	984	15/10	CIRC 20 MI DIA
7	290945Z	18.6N	127.1E	VW1-R-10	-	-	-	-	- -	DIA 20 MI,OPEN N,S&W
8	291600Z	19.0N	126.1E	VW1-R-10	-	-	-	-	- -	DIA 20 MI,OPEN W
9	300334Z	19.4N	123.1E	54-P-02	80	82	9510	982	14/10	CIRC 25 MI DIA
10	301020Z	19.9N	121.6E	VW1-P-05	80	-	9216	-	16/12	CIRC 32 MI DIA
11	301415Z	20.2N	120.6E	LND/RDR	-	-	-	-	- -	---
12	301815Z	20.3N	119.5E	LND/RDR	-	-	-	-	- -	---
13	302200Z	20.6N	119.5E	54-P-03	80	85	9120	970	16/14	CIRC 30 MI DIA,OPEN N-E
14	310400Z	20.4N	117.8E	54-P-03	85	70	9100	970	17/13	CIRC 30 MI DIA
15	310930Z	20.9N	117.4E	VW1-P-03	80	-	8840	949	16/15	CIRC 5 MI DIA
16	311530Z	21.5N	116.0E	VW1-R-05	-	-	-	-	- -	CIRC 23 MI DIA,OPEN W

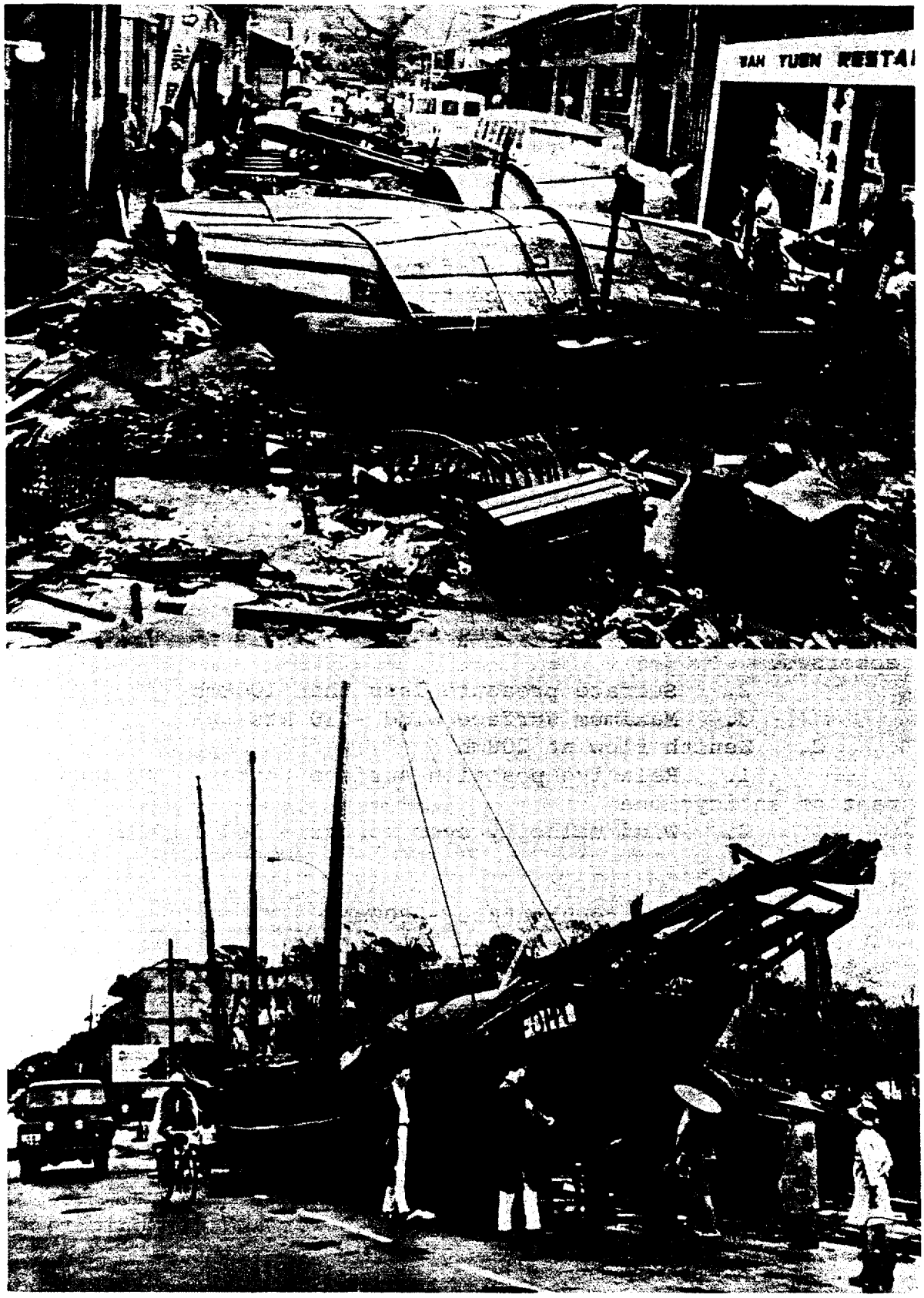
TYPHOON WANDA 27 AUG-01 SEP 1962
POSITION AND FORECAST VERIFICATION DATA

DTG	STORM POSITION LAT.	LONG.	24 HR. ERROR DEG. DISTANCE	48 HR. ERROR DEG. DISTANCE
271200Z	14.7N	135.6E	------	------
271800Z	15.4N	134.2E	------	------
280000Z	16.0N	132.9E	------	------
280600Z	16.4N	131.7E	------	------
281200Z	16.8N	130.6E	------	------
281800Z	17.2N	129.7E	------	------
290000Z	17.6N	128.8E	------	------
290600Z	18.1N	127.9E	344-140	------
291200Z	18.8N	126.7E	347-162	------
291800Z	19.1N	125.3E	355-196	------
300000Z	19.3N	123.9E	078-155	------
300600Z	19.6N	122.6E	061-132	014-252
301200Z	20.0N	121.2E	037-172	012-292
301800Z	20.4N	120.0E	056-167	013-305
310000Z	20.4N	118.7E	050-232	055-305
310600Z	20.6N	117.4E	250-99	045-270
311200Z	21.2N	116.4E	242-118	031-230
311800Z	21.7N	115.5E	230-102	049-237
010000Z	22.2N	114.4E	255-110	050-236
010600Z	22.3N	113.6E	261-133	086-104
011200Z	22.7N	112.8E	254-104	289-115
011800Z	23.0N	112.0E	270-87	304-96

AVERAGE 24 HOUR ERROR 140.6 MI
AVERAGE 48 HOUR ERROR 222.0 MI


TYPHOON WANDA
27 AUGUST-01 SEPTEMBER 1962
24 HR FORECAST POSITS
LEGEND
24 HR FORECAST POSITS
6 HR BEST TRACK POSITS
01/18Z
01/00Z
31/00Z
30/00Z
29/00Z
28/00Z
27/12Z
SHANGHAI
OKINAWA
HONG KONG
MANILA
SAIPAN
GUAM
YAP
ULITHI
KOROR
WOLEAI ATOL
110°
120°
130°
140°
150°
30°
20°
10°

TYPHOON WANDA GUTTED TENEMENTS IN HONG KONG (TOP) AND LEFT CHILDREN ONLY MAKE-SHIFT DEBRIS OF A DAMAGED HOUSE (BOTTOM). (AP PHOTO)



THE HIGH TIDES AND SAVAGE WINDS OF TYPHOON WANDA DEPOSITED SAMPANS (TOP) AND JUNKS (BOTTOM) ON HONG KONG STREETS. (AP PHOTO)