TYPHOON PATSY - 060000Z-110000Z AUGUST 1962

I. DATA

A. Statistics

1. Calendar days of tropical warning - 5

2. Calendar days of typhoon intensity-1½

3. Total distance traveled during tropical warning period - 1848 MI

B. Characteristics as a typhoon

1. Min observed SLP - 980mb, 082220Z

2. Min observed 850mb height - 4510 ft, 082220Z

3. Min observed 700mb height - 9900 ft, 082220Z

4. Max vertical development - 30,000 ft, 090000Z

II. DEVELOPMENT

A. Initial impetus - Surge from westerlies into easterlies and MPT at the 200mb level.

B. Initial surface vortex

1. Junction vortex at 051200Z

2. Surface pressure less than 1010mb

3. Maximum surface wind - 10 kts

C. Zenith flow at 200mb

1. Relative position surface vortex - SE quadrant of anticyclone

2. Wind velocity over vortex - 080/90 kts

III. STEERING

A. Prior to recurvature - 500mb

B. During recurvature - NA

C. After recurvature - NA

IV. DISSIPATION

A. Causative factor - Land strike and cold air

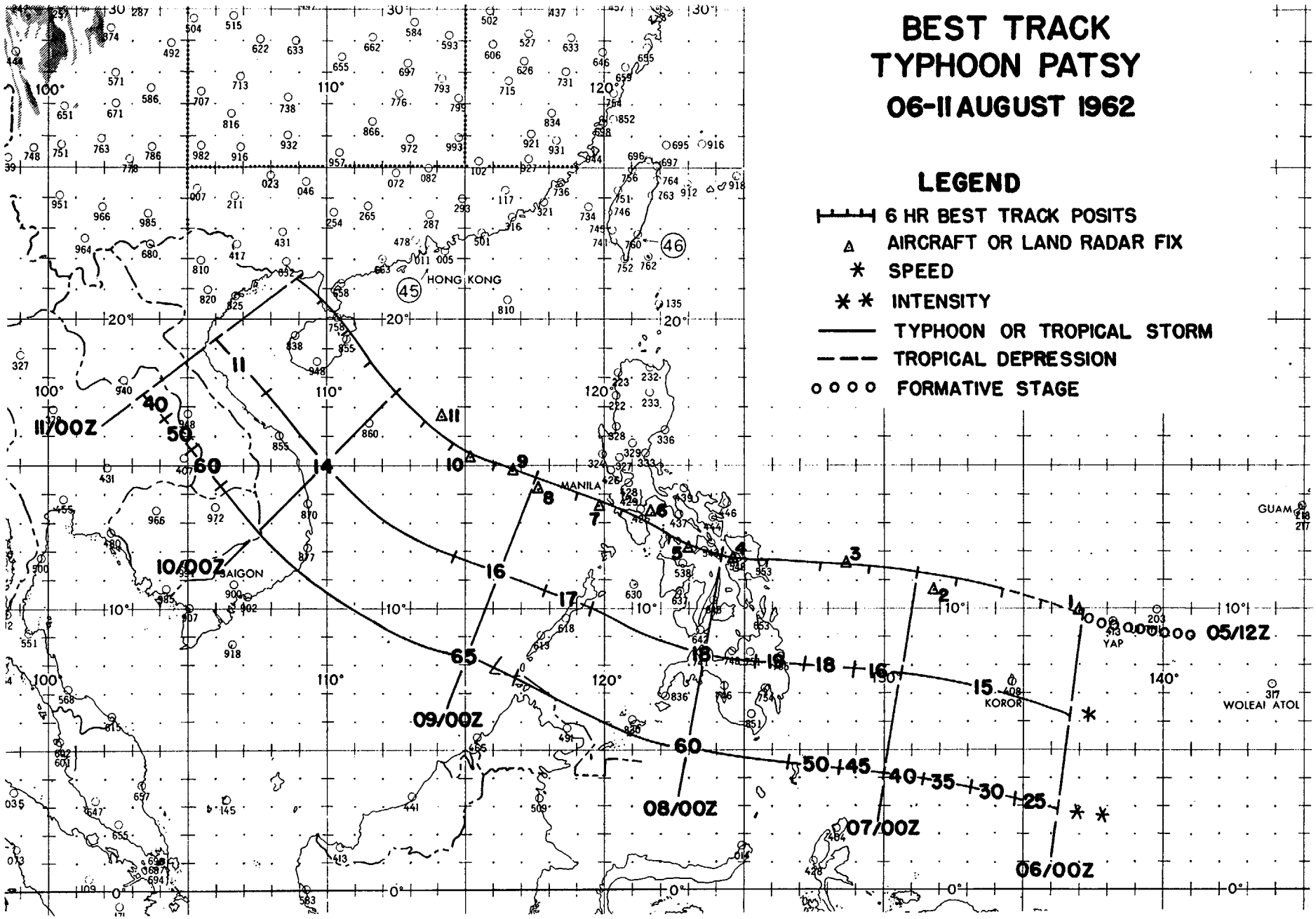
B. Final disposition - Dissipated

V. DAMAGE

A. Total lives lost - 23

B. Total monetary value - $2,500,000

C. Types of property - Crops, homes, ships, boats, communications equipment and highways


BEST TRACK
TYPHOON PATSY
06-11 AUGUST 1962
LEGEND
6 HR BEST TRACK POSITS
AIRCRAFT OR LAND RADAR FIX
SPEED
INTENSITY
TYPHOON OR TROPICAL STORM
TROPICAL DEPRESSION
FORMATIVE STAGE
HONG KONG
MANILA
SAIGON
GUAM
YAP
KOROR
WOLEAI ATOL
11/00Z
10/00Z
09/00Z
08/00Z
07/00Z
06/00Z
05/12Z

LAND RADAR AND AIRCRAFT FIXES - TYPHOON **PATSY**

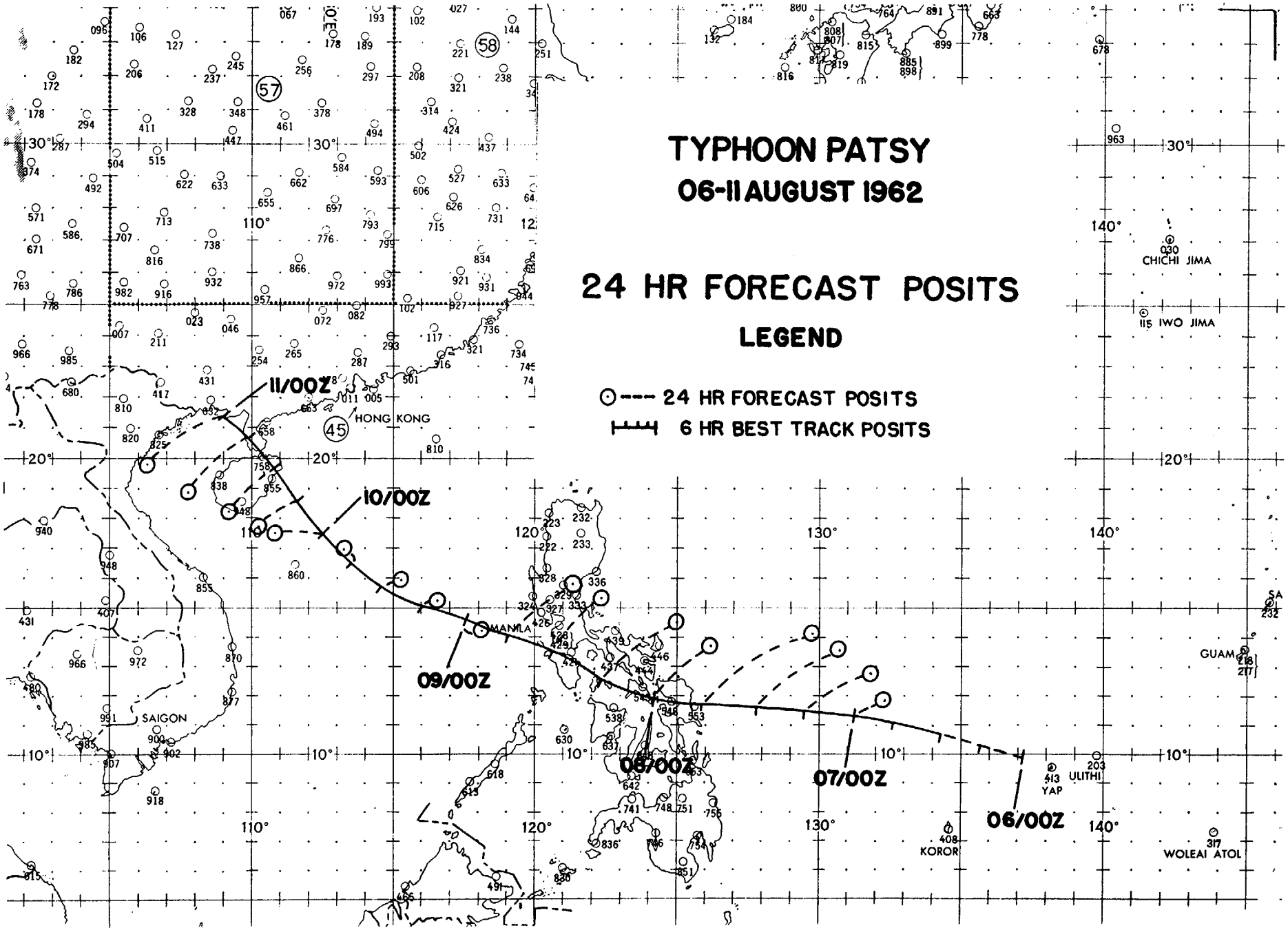
FIX NO.	TIME	LAT.	LONG.	UNIT METHOD & ACCY	MAX SFC WND	MAX 700MB WND	MIN 700MB HGT	MIN SLP MBS	700MB T/Td (°C)	EYE CHARACTERISTICS
1	060035Z	09.9N	137.0E	VW1-P-U	20	-	-	1005	- -	30 MI NW-SE & 10 MI SW-NE
2	062250Z	10.6N	131.7E	VW1-P-03	40	-	-	1001	- -	40 MI DIA
3	070919Z	11.6N	128.6E	VW1-P-03	45	-	-	990	- -	CIRC 45 MI DIA, OPEN NE & E
4	072230Z	11.8N	124.5E	54-P-05	60	60	10000	-	- -	---
5	080415Z	12.1N	123.0E	54-P-02	50	60*	18850*	-	-06/-06*	DIA 20 MI
6	081100Z	13.2N	121.6E	VW1-R-10	-	-	-	-	- -	OVAL 48 MI NW-SE & 34 MI NE-SW
7	081530Z	13.6N	119.8E	VW1-P-03	-	-	-	-	16/15	CIRC 12 MI DIA, OPEN N & NE
8	082220Z	14.1N	117.4E	54-P-05	50	70	9900	980	13/11	16 MI E-W & 12 MI N-S, OPEN N
9	090340Z	14.8N	116.6E	54-P-02	60	60	9990	995	16/14	CIRC 20 MI DIA, WELL DEFINED
10	090955Z	15.3N	115.1E	VW1-P-02	65	-	-	-	- -	CIRC 75 MI DIA
11	091600Z	16.6N	114.1E	VW1-R-10	-	-	-	-	- -	NOT WELL DEFINED

* 500MB DATA

TYPHOON PATSY 06-11 AUG 1962
POSITION AND FORECAST VERIFICATION DATA

DTG	STORM POSITION LAT.	LONG.	24 HR. ERROR DEG. DISTANCE	48 HR. ERROR DEG. DISTANCE
060000Z	09.9N	137.2E	------	------
060600Z	10.3N	135.6E	------	------
061200Z	10.7N	134.3E	------	------
061800Z	11.1N	132.6E	------	------
070000Z	11.3N	131.2E	------	------
070600Z	11.4N	129.5E	------	------
071200Z	11.6N	127.8E	------	------
071800Z	11.7N	125.9E	------	------
080000Z	11.9N	124.1E	050-164	------
080600Z	12.6N	122.3E	053-192	------
081200Z	13.4N	120.7E	039-146	------
081800Z	14.0N	119.1E	053-169	------
090000Z	14.6N	117.5E	122-40	057-242
090600Z	15.1N	116.0E	080-39	054-257
091200Z	15.7N	114.6E	058-44	040-225
091800Z	16.5N	113.5E	332-36	045-212
100000Z	17.5N	112.5E	272-90	240-8
100600Z	18.6N	111.6E	236-95	230-75
101200Z	19.7N	110.7E	225-130	216-119
101800Z	20.6N	109.9E	230-155	236-189
110000Z	21.3N	109.0E	240-170	243-255

AVERAGE 24 HOUR ERROR 113.1 MI
AVERAGE 48 HOUR ERROR 175.8 MI


TYPHOON PATSY
06-11 AUGUST 1962
24 HR FORECAST POSITS
LEGEND
24 HR FORECAST POSITS
6 HR BEST TRACK POSITS
11/00Z
10/00Z
09/00Z
08/00Z
07/00Z
06/00Z
HONG KONG
MANILA
SAIGON
CHICHI JIMA
IWO JIMA
GUAM
YAP
ULITHI
KOROR
WOLEAI ATOL
110°
120°
130°
140°
30°
20°
10°