TYPHOON NORA - 260600Z JULY-040000Z AUGUST 1962

I. DATA

A. Statistics

1. Calendar days of tropical warning - 8 3/4
2. Calendar days of typhoon intensity - 3
3. Total distance traveled during tropical warning period - 2622 MI

B. Characteristics as a typhoon

1. Min observed SLP - 968mb, 302200Z
2. Min observed 850mb height - 4090 ft, 302200Z
3. Min observed 700mb height - 9340 ft, 010015Z
4. Max vertical development - 30,000 ft, 311200Z

II. DEVELOPMENT

A. Initial impetus - Easterly wave and polar trough fractured after superposition. Surge from westerlies into easterlies at the 200mb level.

B. Initial surface vortex

1. Junction vortex at 260000Z
2. Surface pressure less than 1000mb
3. Maximum surface wind - 20 kts

C. Zenith flow at 200mb

1. Relative position surface vortex - SE quadrant of anticyclone
2. Wind velocity over vortex - 090/25 kts

III. STEERING

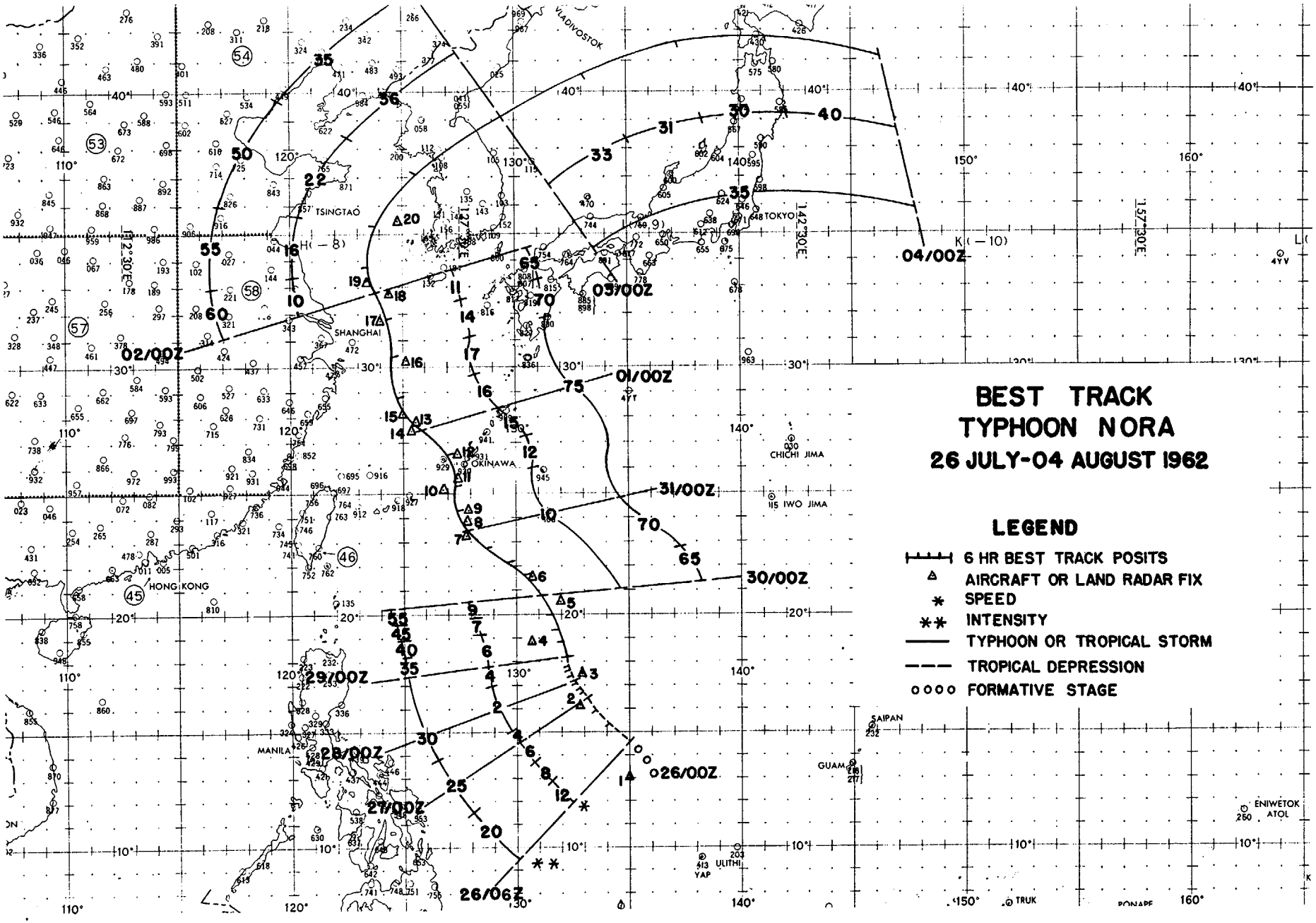
A. Prior to recurvature - 500mb
B. During recurvature - 500mb
C. After recurvature - 700mb

IV. DISSIPATION

A. Causative factor - Cold air
B. Final disposition - Extratropical

V. DAMAGE

A. Total lives lost - 4
B. Total monetary value - $1,000,000
C. Types of property - Homes, crops, railroads and roads


BEST TRACK
TYPHOON NORA
26 JULY-04 AUGUST 1962
LEGEND
6 HR BEST TRACK POSITS
AIRCRAFT OR LAND RADAR FIX
SPEED
INTENSITY
TYPHOON OR TROPICAL STORM
TROPICAL DEPRESSION
FORMATIVE STAGE
VLADIVOSTOK
TSINGTAO
SHANGHAI
OKINAWA
TOKYO
CHICHI JIMA
IWO JIMA
HONG KONG
MANILA
SAIPAN
GUAM
ULITHI
YAP
TRUK
PONAPE
ENIWETOK ATOL
02/00Z
03/00Z
04/00Z
01/00Z
31/00Z
30/00Z
29/00Z
28/00Z
27/00Z
26/00Z
26/06Z

LAND RADAR AND AIRCRAFT FIXES - TYPHOON NORA

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	260330Z	13.0N	135.0E	VW1-P-U	-	-	-	998	- -	---
2	262200Z	16.2N	132.8E	VW1-P-U	-	-	-	1000	- -	---
3	280140Z	17.5N	133.0E	VW1-P-10	15	-	-	998	- -	180 MI E-W & 40 MI N-S
4	290045Z	18.7N	130.7E	VW1-P-U	30	-	-	992	- -	ORIEN WNW-ESE 60X150 MI
5	292203Z	20.5N	132.0E	54-P-10	60	75	9730	988	12/12	DIA 10 MI
6	300336Z	21.5N	130.6E	54-P-05	65	52	9700	976	14/13	OVAL 80X120 MI
7	302200Z	23.3N	127.8E	54-P-02	45	50	9420	968	17/16	DIA 25 MI,OPEN E&W
8	310200Z	23.7N	127.8E	54-P-15	60	80	9410	973	15/13	CIRC 30 MI DIA
9	310400Z	24.2N	127.9E	56-P-05	-	-	9420	971	16/15	DIA 30 MI
10	311050Z	25.1N	126.8E	VW1-R-03	-	-	-	-	- -	CIRC 15 MI DIA,NO WALL CLDS
11	311400Z	25.5N	127.4E	LND/RDR	-	-	-	-	- -	DIFFUSE
12	311600Z	26.5N	127.4E	VW1-R-03	-	-	-	-	- -	CIRC 8 MI DIA,OPEN W
13	311940Z	27.8N	125.6E	LND/RDR	-	-	-	-	- -	---
14	010015Z	27.5N	125.4E	56-P-01	60	90	9340	972	16/12	ELLIP 50X20 MI
15	010330Z	28.1N	125.0E	56-P-01	60	90	9370	974	16/13	ELLIP 80X60 MI
16	011101Z	30.2N	125.1E	VW1-P-10	-	-	-	-	- -	CIRC 3 MI DIA,OPEN NE
17	011603Z	31.8N	124.0E	VW1-R-10	-	-	-	-	- -	DIA 39 MI
18	012145Z	32.8N	124.3E	54-P-02	-	80	9470	973	17/10	CIRC WEAK WALL CLDS

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

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
19	020345Z	33.3N	123.4E	54-P-02	-	60	9490	976	13/10	OPEN ALL QUADS
20	021031Z	35.4N	124.8E	VW1-R-15	-	-	-	-	- -	POORLY DEFINED

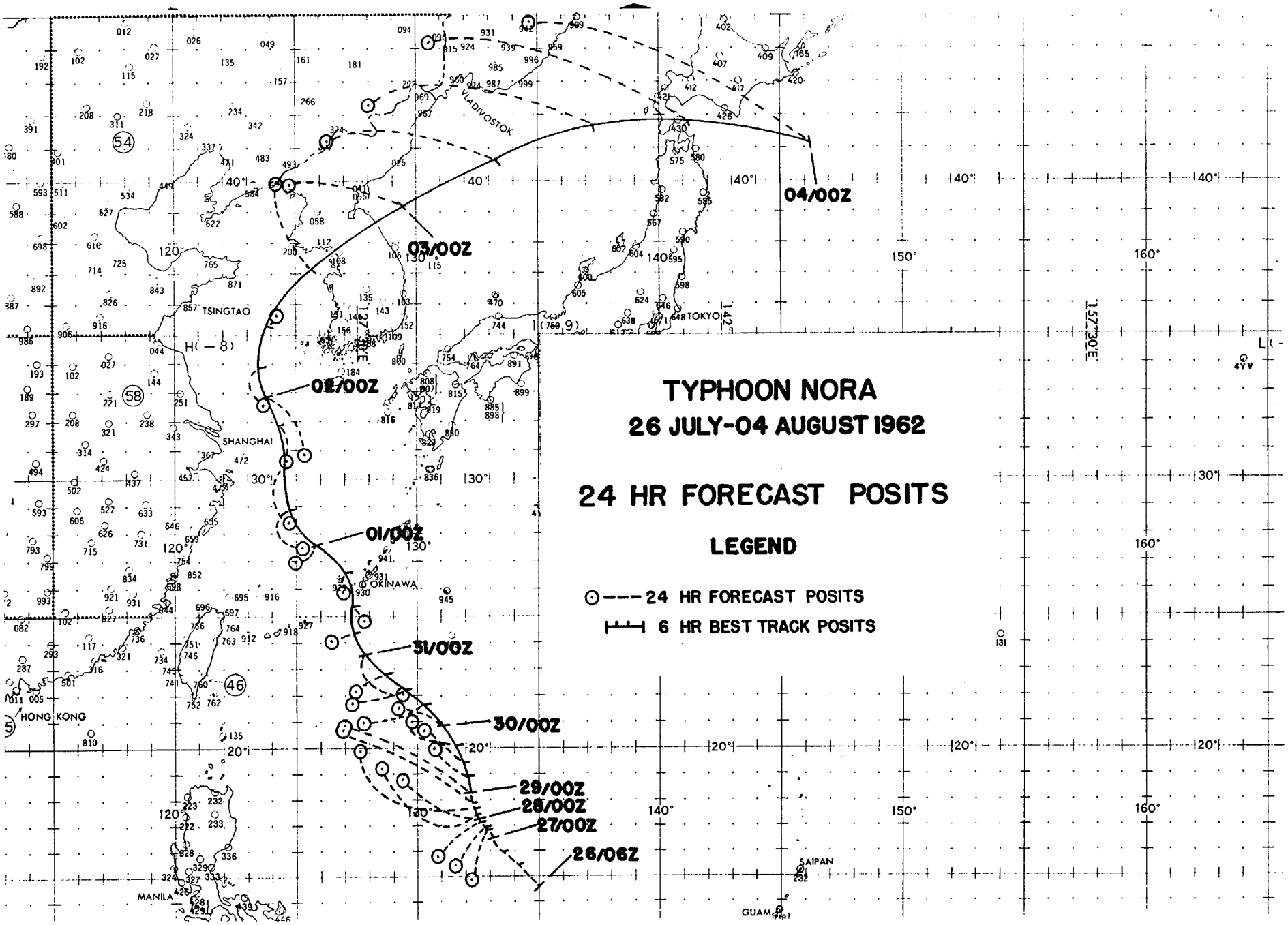
TYPHOON NORA 26 JUL-04 AUG 1962
POSITION AND FORECAST VERIFICATION DATA

DTG	STORM POSITION LAT.	LONG.	24 HR. ERROR DEG. DISTANCE	48 HR. ERROR DEG. DISTANCE
260600Z	14.6N	135.0E	------	------
261200Z	15.4N	134.2E	------	------
261800Z	16.0N	133.5E	------	------
270000Z	16.5N	133.2E	------	------
270600Z	16.8N	132.9E	------	------
271200Z	16.9N	132.8E	------	------
271800Z	17.2N	132.7E	------	------
280000Z	17.3N	132.6E	------	------
280600Z	17.5N	132.5E	------	------
281200Z	17.7N	132.5E	------	------
281800Z	17.9N	132.4E	------	------
290000Z	18.3N	132.3E	------	------
290600Z	18.9N	132.1E	------	------
291200Z	19.4N	131.9E	------	------
291800Z	20.1N	131.6E	------	------
300000Z	20.8N	131.1E	------	------
300600Z	21.6N	130.3E	254-145	------
301200Z	22.2N	129.5E	255-126	------
301800Z	22.8N	128.7E	237-77	------
310000Z	23.5N	127.9E	132-119	------
310600Z	24.4N	127.4E	247-52	255-83
311200Z	25.3N	127.3E	130-48	259-214
311800Z	26.6N	127.0E	180-41	238-110
010000Z	27.5N	125.7E	234-48	168-223
010600Z	28.8N	124.7E	156-90	190-147
011200Z	30.4N	124.5E	173-121	154-270
011800Z	31.8N	124.3E	168-81	163-230
020000Z	32.8N	123.8E	147-145	205-95
020600Z	33.8N	123.4E	171-77	163-113
021200Z	35.3N	123.9E	055-23	168-137
021800Z	37.1N	125.6E	338-185	185-113

TYPHOON NORA 26 JUL-04 AUG 1962 (CONT'D)
POSITION AND FORECAST VERIFICATION DATA

DTG	STORM POSITION LAT.	LONG.	24 HR. ERROR DEG. DISTANCE	48 HR. ERROR DEG. DISTANCE
030000Z	39.2N	129.4E	283-215	206-220
030600Z	40.7N	133.2E	275-314	238-366
031200Z	41.7N	137.1E	275-404	271-415
031800Z	41.8N	141.1E	288-516	279-561
040000Z	41.2N	146.3E	295-600	295-592

AVERAGE 24 HOUR ERROR 171.4 MI
AVERAGE 48 HOUR ERROR 243.1 MI


TYPHOON NORA
26 JULY-04 AUGUST 1962
24 HR FORECAST POSITS
LEGEND
24 HR FORECAST POSITS
6 HR BEST TRACK POSITS
04/00Z
03/00Z
02/00Z
01/00Z
31/00Z
30/00Z
29/00Z
28/00Z
27/00Z
26/06Z
VLADIVOSTOK
TSINGTAO
SHANGHAI
TOKYO
OKINAWA
HONG KONG
MANILA
SAIPAN
GUAM
157°30'E