TYPHOON CLARA - 020000Z to 080600Z OCTOBER

I. DATA

A. Statistics

1. Calendar days of tropical warning - 6½
2. Calendar days of typhoon intensity - 4
3. Total distance traveled during tropical warning period - 2106 mi

B. Characteristics as a typhoon

1. Minimum observed SLP - 979mb, 060930Z
2. Minimum observed 700mb height - 2949m, 060930Z
3. Maximum surface wind - 80 kts
4. Max radius of surface circulation - 525 mi

II. DEVELOPMENT

A. Initial impetus - Fracture of MPT

B. Initial surface vortex

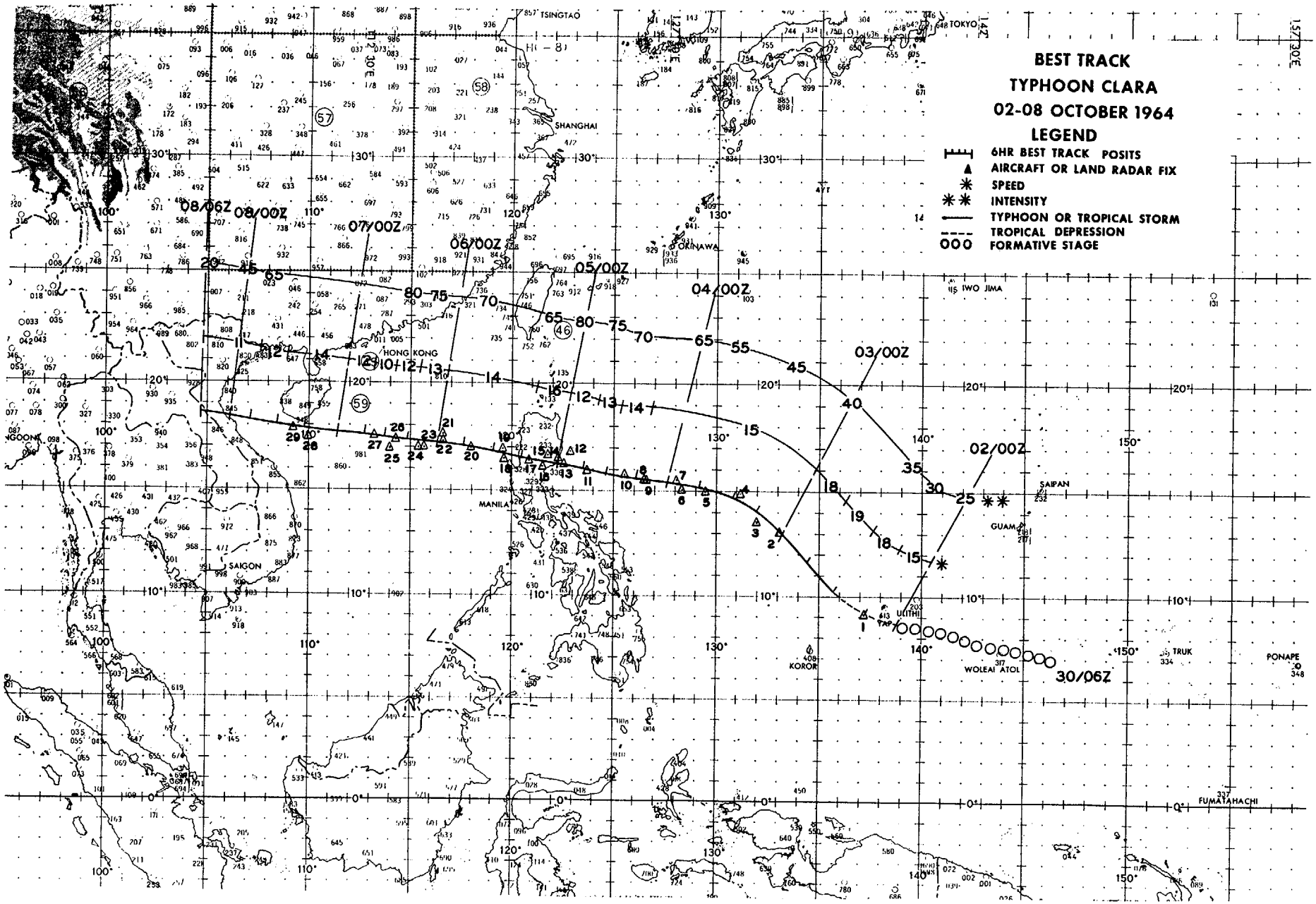
1. Junction vortex at 300600Z
2. Surface pressure less than 1006mb

C. 200mb flow above surface vortex

1. Initial - NW quadrant of anticyclone
2. Upon reaching typhoon intensity - W quadrant of anticyclone

III. FINAL DISPOSITION

A. Dissipated over land


BEST TRACK
TYPHOON CLARA
02-08 OCTOBER 1964
LEGEND
6HR BEST TRACK POSITS
AIRCRAFT OR LAND RADAR FIX
SPEED
INTENSITY
TYPHOON OR TROPICAL STORM
TROPICAL DEPRESSION
FORMATIVE STAGE
TSINGTAO
TOKYO
SHANGHAI
OKINAWA
IWO JIMA
HONG KONG
MANILA
SAIGON
SAIPAN
GUAM
ULITHI
WOLEAI ATOL
KOROR
TRUK
PONAPE
FUMATAHACHI
08/06Z
08/00Z
07/00Z
06/00Z
05/00Z
04/00Z
03/00Z
02/00Z
30/06Z

EYE FIXES TYPHOON CLARA

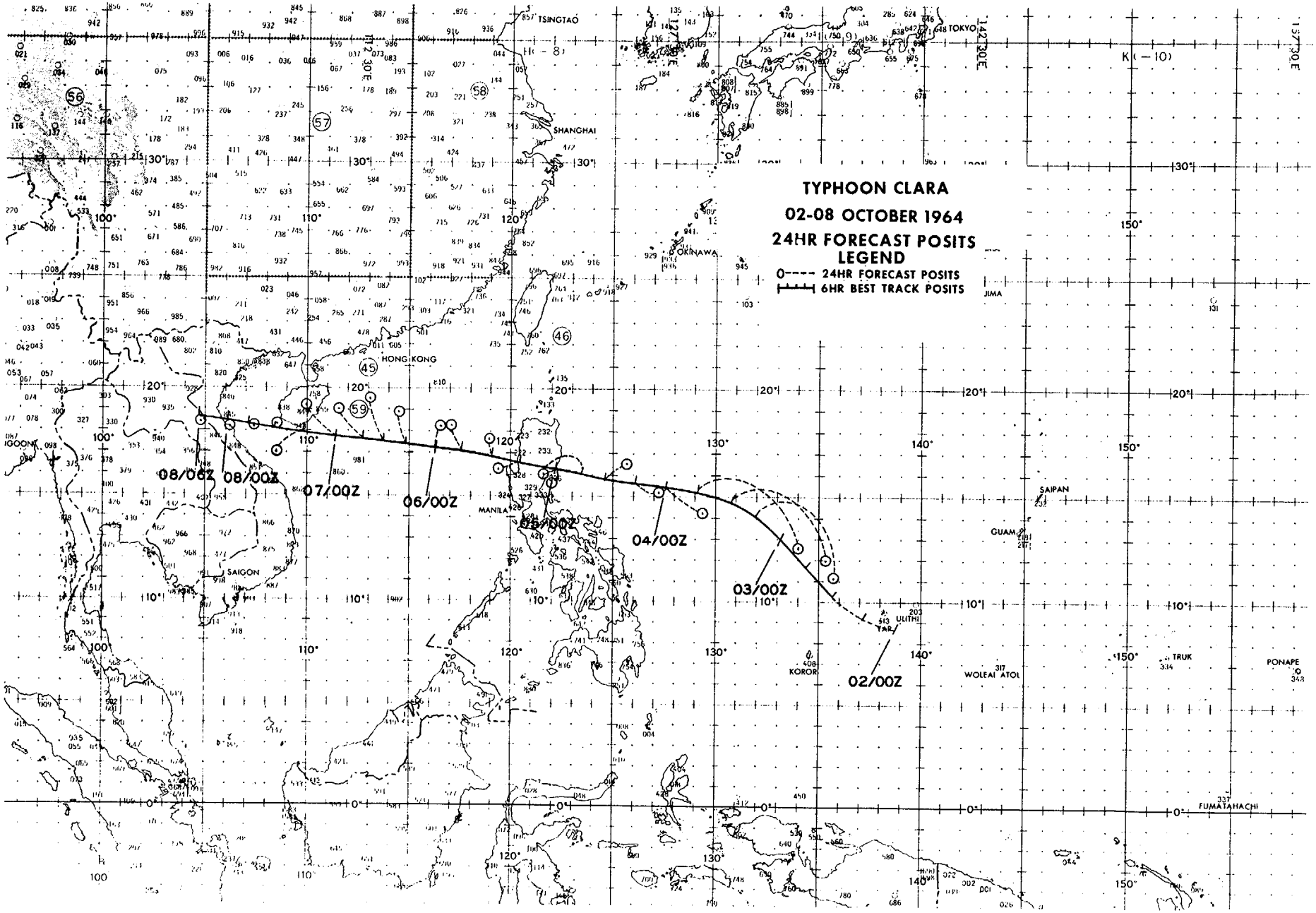
FIX NO.	TIME	POSIT	UNIT-METHOD-ACCY	FLT LVL	FLT LVL WND	OBS SFC WND	OBS MIN SLP	MIN 700MB HGT	FLT LVL TT/TD	REMARKS
1	020600Z	09.2N 137.3E	VW1-P-U	1500ft	--	30	998	---	26/19	NO RADAR PRESENTATION
2	030030Z	13.1N 133.1E	54-V-U	30000ft	--	--	---	---	--/--	ILL DEFINED. APPROXIMATE CNTR REPORTED
3	030344Z	13.5N 132.0E	TIROS	---	--	--	---	---	--/--	
4	031039Z	14.9N 131.2E	VW1-P-5	900ft	--	--	999	---	27/24	CNTR OPEN S WALL CLD FORMING NW QUAD
5	031500Z	15.0N 129.5E	VW1-R-10	1500ft	--	--	---	---	--/--	OVAL 16 MI E/W 12 MI N/S CLSD
6	032200Z	15.1N 128.3E	56-P-2	703mb	40	65	989	3015	16/7	CIRC 15 MI DIA
7	032200Z	15.5N 128.1E	54-R-10	30000ft	--	--	---	---	--/--	CIRC 18 MI DIA WALL CLD 3 MI THICK
8	040401Z	15.6N 126.5E	54-R-3	30000ft	--	--	---	---	--/--	CIRC 10 MI DIA
9	040417Z	15.5N 126.6E	56-P-5	715mb	58	65	991	3011	15/15	OVAL 20X16 MI
10	041000Z	15.8N 125.5E	VW1-P-5	1000ft	--	60	985	---	25/16	CIRC 16 MI DIA OPEN NE SEMI WALL CLD 4-8 MI THICK
11	041545Z	16.0N 123.8E	VW1-R-5	10000ft	--	--	---	---	--/--	CIRC 17 MI DIA OPEN NE QUAD WALL CLD 7 MI THICK
12	042125Z	16.8N 122.9E	LND/RDR	---	--	--	---	---	--/--	
13	042155Z	16.3N 122.6E	54-R-0	31000ft	--	--	---	---	--/--	OVAL 18X23 MI OPEN SW QUAD WALL CLD 7 TO 10 MI THICK
14	042330Z	16.4N 122.4E	LND/RDR	---	--	--	---	---	--/--	

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
15	050030Z	16.6N 121.8E	LND/RDR	---	--	--	---	---	--/--	
16	050135Z	16.3N 121.5E	LND/RDR	---	--	--	---	---	--/--	
17	050400Z	16.4N 120.9E	56-P-1	500mb	60	--	---	---	-5/-5	NO EYE SHAPE DIA 10 MI BY RDR
18	050950Z	16.5N 119.7E	56-R-2	700mb	--	--	---	---	--/--	EYE DIFFUSE 10 MI DIA
19	050935Z	17.0N 119.5E	VW1-R-2	1400ft	--	--	---	---	--/--	ELLIP 50 MI N/W 25 MI E/W NO WALL CLD
20	051545Z	17.0N 118.0E	VW1-R-3	10000ft	--	--	---	---	--/--	CIRC 35 MI DIA OPEN NW QUAD NO WALL CLD
21	052216Z	17.6N 116.6E	54-R-0	31000ft	--	45	---	---	-31/--	CIRC 40 MI DIA NO WALL CLD
22	052300Z	17.3N 116.6E	56-P-4	700mb	50	85	991	2981	11/9	CIRC 40 MI DIA WALL CLDS ALL QUADS
23	060330Z	17.0N 115.6E	56-P-2	700mb	60	75	985	2969	15/11	EYE INDEFINITE NO WALL CLDS
24	060300Z	17.0N 115.4E	54-R-5	35000ft	--	--	---	---	--/--	OVAL AREA OF NO RDR RETURN 40 MI NE/SW 30 MI NW/SE
25	060438Z	17.0N 114.0E	TIROS	---	--	--	---	---	--/--	
26	060930Z	17.3N 114.3E	VW1-P-5	900ft	--	80	979	2949	25/16	CNTR ELLIP 20 MI E/W 35 MI N/S NO WALL CLD 700MB TEMP 12
27	061530Z	17.5N 113.2E	VW1-R-5	10000ft	--	--	---	---	--/--	CNTR OVAL 27 MI E/W 19 MI N/S
28	070350Z	17.5N 110.0E	TIROS	---	--	--	---	---	--/--	
29	070840Z	17.9N 109.1E	LND/RDR	---	--	--	---	---	--/--	

TYPHOON CLARA 02 OCT-08 OCT 1964
POSITION AND FORECAST VERIFICATION DATA

DTG	STORM POSITION LAT.	LONG.	24 HOUR ERROR DEG. DISTANCE	48 HOUR ERROR DEG. DISTANCE
020000Z	08.7N	138.8E	------	------
020600Z	09.2N	137.3E	------	------
021200Z	10.3N	135.8E	------	------
021800Z	11.6N	134.4E	------	------
030000Z	12.9N	133.2E	------	------
030600Z	14.0N	132.1E	------	------
031200Z	14.8N	130.8E	122-316	------
031800Z	15.2N	129.2E	118-317	
040000Z	15.3N	127.7E	119-124	------
040600Z	15.6N	126.1E	112-68	------
041200Z	15.8N	124.7E	055-70	112-428
041800Z	16.1N	123.4E	269-102	113-427
050000Z	16.3N	122.2E	193-47	110-154
050600Z	16.5N	120.5E	258-60	114-117
051200Z	16.9N	119.1E	353-51	109-66
051800Z	17.1N	117.7E	337-80	263-110
060000Z	17.2N	116.3E	021-68	154-22
060600Z	17.3N	114.9E	353-100	268-112
061200Z	17.4N	113.8E	345-125	347-143
061800Z	17.5N	112.8E	322-112	336-202
070000Z	17.7N	111.4E	321-122	353-183
070600Z	17.8N	109.9E	240-97	353-247
071200Z	18.0N	108.4E	042-12	328-158
071800Z	18.2N	107.2E	090-13	307-127
080000Z	18.4N	106.1E	148-08	295-144
080600Z	18.5N	104.9E	------	------

AVERAGE 24 HOUR ERROR - 100MI
AVERAGE 48 HOUR ERROR - 176MI


TYPHOON CLARA
02-08 OCTOBER 1964
24HR FORECAST POSITS
LEGEND
24HR FORECAST POSITS
6HR BEST TRACK POSITS
08/06Z
08/00Z
07/00Z
06/00Z
05/00Z
04/00Z
03/00Z
02/00Z
TSINGTAO
SHANGHAI
TOKYO
OKINAWA
HONG KONG
MANILA
SAIGON
SAIPAN
GUAM
ULITHI
YAP
KOROR
WOLEAI ATOL
TRUK
PONAPE
FUMATAHACHI
JIMA