TYPHOON LOUISE - 150600Z to 201200Z NOVEMBER

I. DATA

A. Statistics

1. Calendar days of tropical warning - 6
2. Calendar days of typhoon intensity - 4¼
3. Total distance traveled during tropical warning period - 1032 mi

B. Characteristics as a typhoon

1. Minimum observed SLP - 914mb, 180300Z
2. Minimum observed 700mb height - 2350m, 180300Z
3. Maximum surface wind - 165 kts
4. Max radius of surface circulation - 500mi

II. DEVELOPMENT

A. Initial impetus - Superposition of polar trough with easterly wave and subsequent fracture

B. Initial surface vortex

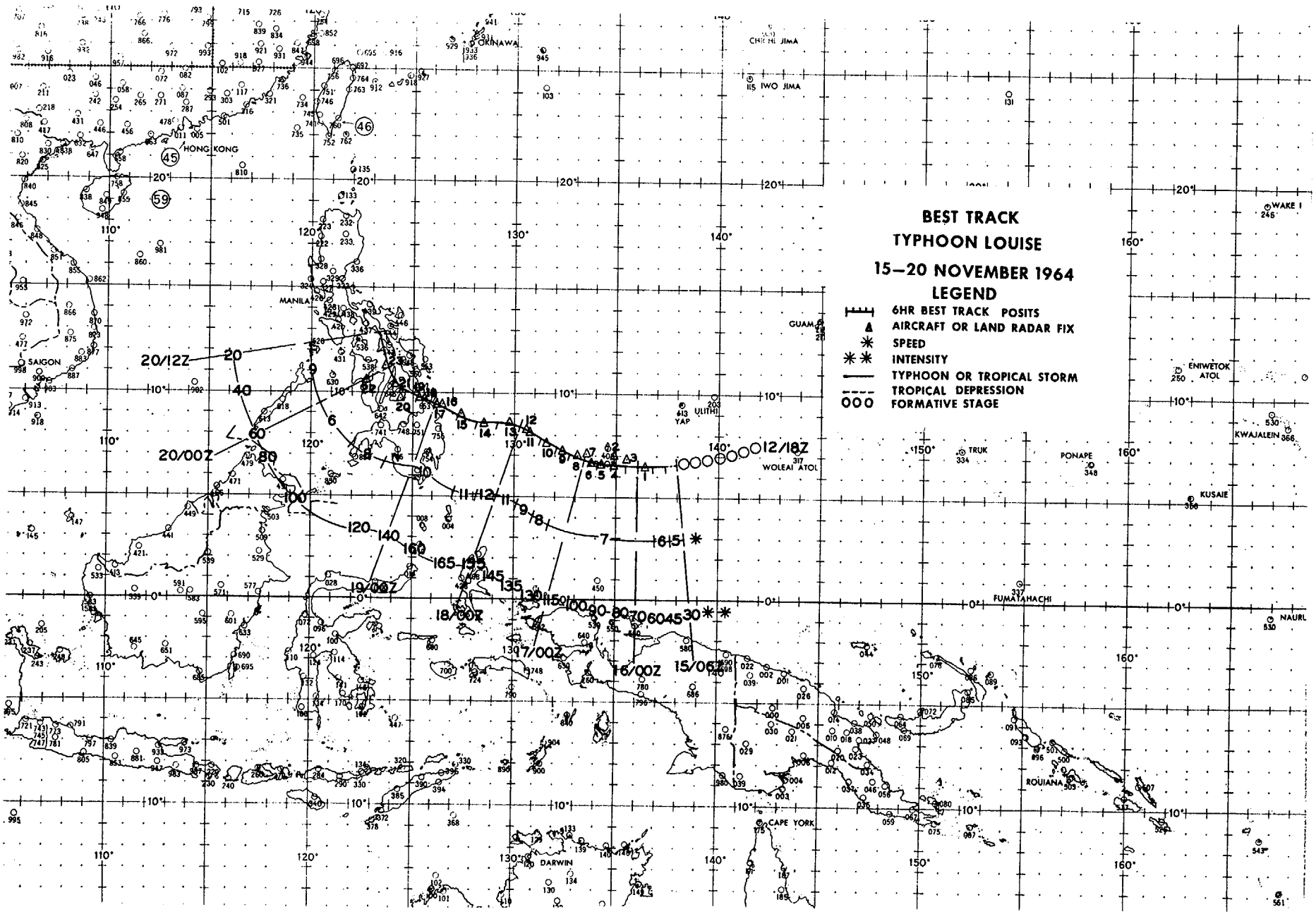
1. Junction vortex at 121800Z
2. Surface pressure less than 1004mb

C. 200mb flow above surface vortex

1. Initial - E quadrant of anticyclone
2. Upon reaching typhoon intensity - S of E-W ridge

III. FINAL DISPOSITION

A. Dissipated over land


BEST TRACK
TYPHOON LOUISE
15–20 NOVEMBER 1964
LEGEND
6HR BEST TRACK POSITS
AIRCRAFT OR LAND RADAR FIX
SPEED
INTENSITY
TYPHOON OR TROPICAL STORM
TROPICAL DEPRESSION
FORMATIVE STAGE
HONG KONG
MANILA
SAIGON
OKINAWA
CHICHI JIMA
IWO JIMA
GUAM
YAP
ULITHI
WOLEAI ATOL
TRUK
PONAPE
KUSAIE
ENIWETOK ATOL
KWAJALEIN
WAKE I
NAURU
FUMATAHACHI
ROUIANA
CAPE YORK
DARWIN
20/12Z
20/00Z
19/00Z
18/00Z
17/00Z
16/00Z
15/06Z
12/18Z

EYE FIXES TYPHOON LOUISE

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	152204Z	06.5N 136.4E	VW1-P-10	1000ft	--	45	985	--	26/18	ELLIP 25 MI N/S 20 MI E/W OPEN NW
2	152334Z	07.0N 135.0E	TIROS	--	--	--	--	--	--	--
3	160400Z	06.9N 135.5E	54-R-1	30000ft	35	50	--	--	-25/--	OVAL 50X40 MI WALL CLD 10 MI THICK OPEN S & SW QUAD
4	161000Z	06.5N 135.0E	VW1-R-2	1500ft	--	--	--	--	--	CIRC 35 MI DIA WALL CLD 9 MI THICK
5	161545Z	06.6N 134.3E	VW1-R-1	10000ft	--	--	--	--	--	CIRC 25 MI DIA WALL CLD 7 MI THICK
6	162200Z	06.7N 133.9E	54-R-5	31000ft	--	50	--	--	-31/--	CIRC 40 MI DIA WALL CLD 5 MI THICK
7	162230Z	07.1N 133.6E	56-P-3	700MB	90	55	954	2731	20/15	CIRC 17 MI DIA WALL CLDS MOD ALL QUADS
8	170300Z	07.0N 133.1E	56-P-4	700MB	105	125	943	2606	22/16	--
9	171000Z	07.2N 132.4E	VW1-R-10	1500ft	--	--	--	--	--	CIRC 13 MI DIA WALL CLD 10 MI THICK TAPERS TO 4 MI NE
10	171540Z	07.5N 131.6E	VW1-R-5	3000ft	--	--	--	--	--	CIRC 13 MI DIA WALL CLD 11 MI THICK
11	172149Z	08.1N 130.8E	54-R-5	30000ft	--	--	--	--	-22/--	OVAL 12 MI N/S 18 MI E/W WALL CLD 3 MI THICK

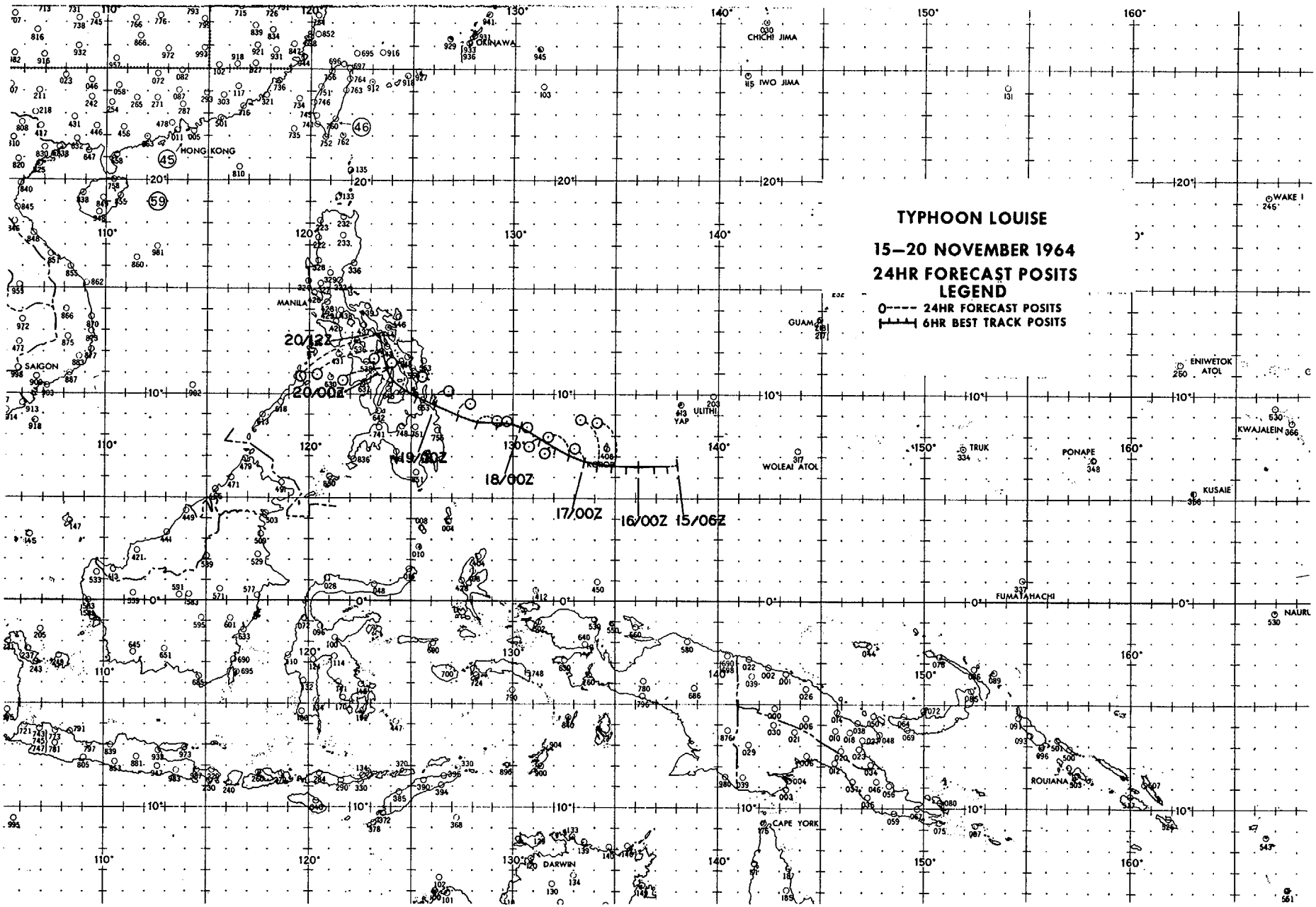
FIX NO.	TIME	POSIT	UNIT-METHOD-ACCY	FLT LVL	FLT LVL WND	OBS SFC WND	OBS MIN SLP	MIN 700MB HGT	FLT LVL TT/TD	REMARKS
12	172200Z	08.2N 130.7E	56-P-3	700MB	110	130	934	2499	16/15	ELLIPT 18 MI NE/SW 15 MI NW/SE
13	180300Z	08.6N 129.8E	56-P-3	700MB	150	160	914	2350	22/18	CIRC 12 MI DIA
14	180945Z	08.5N 128.4E	VW1-R-2	10000ft	--	--	--	--	--	CIRC 11 MI DIA WALL CLD 6 MI THICK
15	181545Z	09.0N 127.4E	VW1-R-3	10000ft	--	--	--	--	--	CIRC 11 MI DIA WALL CLD 5 MI THICK
16	182300Z	09.5N 126.5E	TIROS	--	--	--	--	--	--	EYE VSBL
17	182310Z	09.4N 126.3E	56-R-3	500MB	--	--	--	--	--	CIRC 8 MI DIA WALL CLD 5-8 MI THICK. CONCENTRIC STRONG FEEDER BANDS ALL QUADS
18	190340Z	09.8N 125.5E	56-R-3	500MB	--	--	--	--	--	CIRC 5 MI DIA WALL CLD 5-8 MI THICK. CONCENTRIC STRONG FEEDER BANDS ALL QUADS
19	190400Z	09.8N 125.4E	54-R-1	30000ft	--	--	--	--	--	CIRC 7 MI DIA WALL CLD 3 MI THICK
20	190935Z	09.8N 124.5E	VW1-R-2	9000ft	--	--	--	--	--	CIRC 10 MI DIA WALL CLD 5-8 MI THICK
21	191600Z	10.4N 124.1E	VW1-R-5	9000ft	--	--	--	--	--	CIRC 15 MI DIA WALL CLDS BRKN UP IN N SEMI

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
22	192307Z	10.5N 122.8E	56-R-2	577MB	--	--	--	--	--	CIRC 10 MI DIA WEAK S SFC WND 330/60 KTS 60 MI WSW OF EYE
23	200455Z	11.3N 123.7E	56-P-1	500MB	--	50	990	--	-3/-9	CIRC 30 MI DIA

TYPHOON LOUISE 15 NOV-20 NOV 1964
POSITION AND FORECAST VERIFICATION DATA

DTG	STORM POSITION LAT.	LONG.	24 HOUR ERROR DEG. DISTANCE	48 HOUR ERROR DEG. DISTANCE
150600Z	06.6N	138.0E	------	------
151200Z	06.5N	137.5E	------	------
151800Z	06.5N	136.9E	------	------
160000Z	06.5N	136.2E	------	------
160600Z	06.5N	135.4E	------	------
161200Z	06.6N	134.8E	341-129	------
161800Z	06.7N	134.1E	340-129	------
170000Z	06.8N	133.4E	311-38	------
170600Z	07.1N	132.8E	306-86	------
171200Z	07.4N	132.1E	244-34	------
171800Z	07.8N	131.3E	232-30	------
180000Z	08.4N	130.3E	074-17	278-69
180600Z	08.6N	129.2E	079-30	303-108
181200Z	08.6N	128.1E	087-73	003-18
181800Z	09.0N	127.2E	064-52	033-30
190000Z	09.5N	126.2E	051-62	053-63
190600Z	09.8N	125.2E	022-60	056-68
191200Z	10.1N	124.4E	345-85	070-78
191800Z	10.6N	124.0E	322-84	021-40
200000Z	11.1N	123.8E	256-138	307-67
200600Z	12.0N	123.6E	253-216	274-134
201200Z	12.9N	123.3E	------	------

AVERAGE 24 HOUR ERROR - 79MI
AVERAGE 48 HOUR ERROR - 68MI


TYPHOON LOUISE
15–20 NOVEMBER 1964
24HR FORECAST POSITS
LEGEND
24HR FORECAST POSITS
6HR BEST TRACK POSITS
20/12Z
20/00Z
19/00Z
18/00Z
17/00Z
16/00Z
15/06Z
HONG KONG
MANILA
SAIGON
OKINAWA
CHICHI JIMA
IWO JIMA
GUAM
YAP
ULITHI
WOLEAI ATOL
TRUK
PONAPE
KUSAIE
ENIWETOK ATOL
KWAJALEIN
WAKE I
NAURU
FUMATAHACHI
ROUIANA
CAPE YORK
DARWIN