TYPHOON FAYE - 140000Z TO 260000Z NOVEMBER

I. DATA

A. Statistics

1. Number of warnings issued - 49
2. Number of warnings with typhoon intensity - 21
3. Total distance traveled during tropical warning period - 4001 mi

B. Characteristics as a typhoon

1. Minimum observed SLP - 925mbs at 232142Z
2. Minimum observed 700mb height - 2324m. at 230945Z
3. Maximum surface wind - 135 kts (From Best Track)
4. Maximum radius of surface circulation - 700 mi

II. DEVELOPMENT

A. Initial impetus - Low level inflow of Southern Hemisphere air with divergence aloft behind MPT

B. Initial surface vortex

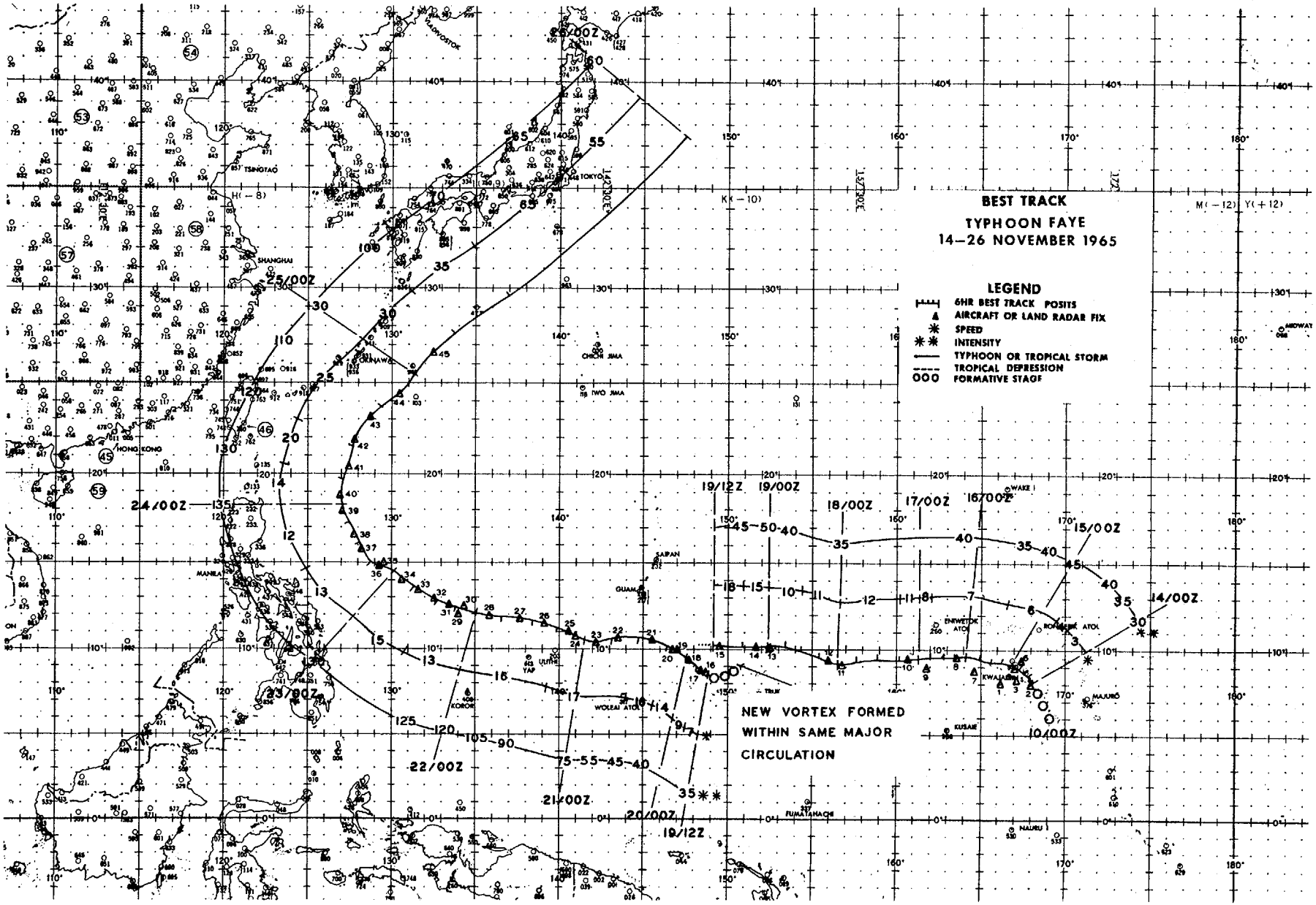
1. Junction vortex at 100000Z
2. Surface pressure less than 1008mbs

C. 200mb flow above surface vortex

1. Initial - north
2. Upon reaching typhoon intensity - northeast

III. FINAL DISPOSITION

A. Became extratropical


BEST TRACK
TYPHOON FAYE
14–26 NOVEMBER 1965
LEGEND
6HR BEST TRACK POSITS
AIRCRAFT OR LAND RADAR FIX
SPEED
INTENSITY
TYPHOON OR TROPICAL STORM
TROPICAL DEPRESSION
FORMATIVE STAGE
NEW VORTEX FORMED
WITHIN SAME MAJOR
CIRCULATION
14/00Z
15/00Z
16/00Z
17/00Z
18/00Z
19/12Z
19/00Z
20/00Z
21/00Z
22/00Z
23/00Z
24/00Z
25/00Z
26/00Z
10/00Z
VLADIVOSTOK
TSINGTAO
SHANGHAI
TOKYO
OKINAWA
CHICHI JIMA
IWO JIMA
HONG KONG
MANILA
SAIPAN
GUAM
YAP
ULITHI
KOROR
WOLEAI ATOL
TRUK
ENIWETOK ATOL
ROI NAMUR ATOL
KWAJALEIN
WAKE I
MAJURO
KUSAIE
NAURU I
FUMATAHAQHI
MIDWAY

EYE FIXES TYPHOON FAYE

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	120208Z	08.0N 166.2E	SA-16	--	--	25	--	---	--/--	TRUST TERRITORIES ACFT
2	130445Z	07.9N 168.0E	54-P-P1	950mb	15	30	1001	---	24/--	MAX WND IN BND 20 TO 25 MI WIDE S QUAD
3	132315Z	08.2N 167.2E	54-P-P1	950mb	30	35	1003	---	--/--	CIRCN WEAK E & W, STRONG N & S
4	140300Z	08.1N 167.9E	54-P-P1	700mb	20	40	1001	3085	12/--	MAX WND TO S IN SHARP BND
5	142100Z	08.9N 167.0E	54-P-P3	1500ft	--	30	1002	---	24/--	FDR BNDS W & S. CNTR CIRC 10 MI DIA
6	150225Z	09.3N 167.4E	54-P-FØ	1500ft	--	25	998	---	25/--	CNTR CIRC 30 MI DIA
7	152100Z	08.7N 164.6E	54-P-F3	1500ft	30	25	1004	---	24/--	LARGE CIRCN. MAX WNDS 100 MI N OF CNTR. CNTR CIRC 40 MI DIA
8	160321Z	09.5N 163.6E	54-P-P3	1500ft	40	40	1004	---	24/--	CNTR OVAL NE-SW 40 X 100 MI
9	162130Z	08.9N 161.8E	54-P-F7	1500ft	32	32	1007	---	24/--	PRESS CNTR IN S EDGE OF LARGE CIRCN
10	170208Z	09.4N 160.7E	54-P-P3	1500ft	38	38	1004	---	25/--	CURVING BND OF BUILD-UP S & W CNTR CIRC 8 MI DIA
11	172130Z	09.1N 156.7E	54-P-F5	1500ft	10	30	1006	---	23/--	CNTR CIRC 100 MI DIA
12	180250Z	09.3N 156.0E	54-P-P3	1500ft	25	25	1003	---	24/--	CNTR CIRC 75 MI DIA
13	182125Z	10.1N 152.5E	54-P-P5	1500ft	30	35	1004	---	25/--	NO FDR BNDS

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
14	190255Z	10.1N 151.7 E	54-P-P5	1500ft	50	40	1001	---	26/--	ALL SFC WNDS CONVERGE ON CONFUSED CNTR NO CALM AREA
15	190915Z	10.2N 149.5E	VW1-P-F10	964mb	48	40	1000	---	22/18	RDR CNTR 30 MI S RPTD CNTR CNTR CIRC 55 MI DIA
16	191145Z	08.6N 148.7E	VW1-R-U	---	--	--	---	---	--/--	TIGHT RDR EYE FRMG
17	191445Z	08.7N 148.4E	VW1-P-P10	962mb	--	--	999	---	24/22	HVY BNDG SSE THRU NE CNTR TO N FLG
18	192120Z	09.3N 147.7E	54-P-F5	1500ft	35	35	1003	---	23/--	CNTR IS BROAD CALM AREA 55 MI NW-SE
19	200144Z	10.0N 147.0E	TIROS	---	--	--	---	---	--/--	STAGE X, DIA 3, BNDS 1
20	200315Z	09.9N 146.7E	54-P-P3	1500ft	40	40	999	---	24/--	CNTR CIRC 20 MI DIA
21	200900Z	10.5N 145.5E	VW1-P-P10	1500ft	--	45	998	---	--/--	STM WK BUT FDR BNDS ALL QUADS
22	201508Z	10.6N 143.5E	VW1-P-P5	700mb	55	--	995	3063	11/4	CNTR CIRC 13 MI DIA
23	202110Z	10.3N 142.2E	54-P-P5	700mb	75	65	987	2984	13/--	FDR BNDS ALL QUADS CNTR CIRC 5 MI DIA
24	210215Z	10.8N 141.0E	TIROS	---	--	--	---	---	--/--	STAGE X, DIA 2½, BNDS 3
25	210325Z	11.0N 140.5E	54-P-P5	700mb	75	75	986	2966	13/--	CNTR CIRC 5 MI DIA. WALL CLDS BLDG E & S
26	210819Z	11.4N 139.1E	VW1-P-P5	944mb	--	55	975	---	24/22	CNTR CIRC 5 MI DIA NO WALL CLDS

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
27	211440Z	11.7N 137.6E	VW1-R-P5	700mb	--	--	---	---	--/--	CNTR CIRC 10 MI DIA
28	212121Z	11.9N 135.8E	54-P-P3	700mb	75	120	952	2691	19/--	EYE CIRC 10 MI DIA WALL CLD ALL QUADS
29	220237Z	12.0N 134.0E	TIROS	---	--	--	--	---	--/--	STAGE X, DIA 6, BNDS 4
30	220322Z	12.4N 134.3E	54-P-P3	700mb	62	130	951	2698	23/--	EYE CIRC 18 MI DIA
31	220835Z	12.6N 133.4E	VW1-P-P5	684mb	92	130	--	2573	15/13	EYE CIRC 10 MI DIA
32	221225Z	12.9N 132.5E	VW1-R-U	---	--	--	--	---	--/--	
33	221420Z	13.4N 131.6E	VW1-R-P5	700mb	--	--	--	---	--/--	EYE CIRC 10 MI DIA
34	222100Z	14.0N 130.6E	54-P-P5	700mb	115	--	936	2579	16/--	EYE CIRC 30 MI DIA SMALL INNER EYE FRMG
35	230157Z	15.0N 129.5E	TIROS	---	--	--	--	---	--/--	STAGE X, DIA 7, BNDS 4 EYE VSBL
36	230235Z	14.8N 129.3E	54-P-P5	700mb	110	130	932	2521	20/--	EYE CIRC 20 MI DIA RDR EYE 8 MI N SFC CNTR
37	230945Z	15.8N 128.2E	VW1-P-P5	714mb	54	90	--	2324	23/17	EYE CIRC 20 MI DIA
38	231430Z	16.6N 127.8E	VW1-P-P5	713mb	95	--	--	2395	22/16	COUNTER-CLOCKWISE LOOP BTN 1100Z AND 1330Z
39	232142Z	17.9N 127.1E	54-P-P2	700mb	--	140	925	2445	17/--	EYE OVAL NNE-SSW 25 X 20
40	240217Z	18.8N 126.9E	54-P-P4	700mb	--	150	932	2506	19/--	EYE CIRC 20 MI DIA
41	240850Z	20.4N 127.4E	VW1-P-P5	711mb	80	130	--	2579	20/13	RDR EYE CIRC 35 MI DIA WND EYE 12 MI DIA

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
42	241230Z	21.9N 127.8E	VW1-R-U	--	--	--	--	---	--/--	EYE DIA 45 MI
43	241645Z	23.2N 128.7E	VW1-R-P15	--	--	--	--	---	--/--	EYE CIRC 28 MI DIA
44	242100Z	24.4N 130.4E	54-P-P3	700mb	75	--	950	2640	16/--	EYE CIRC 20 MI DIA
45	250330Z	26.6N 132.5E	54-P-P5	700mb	100	130	960	2731	21/--	NO FDR BNDS, WALL CLD WK N QUAD ONLY

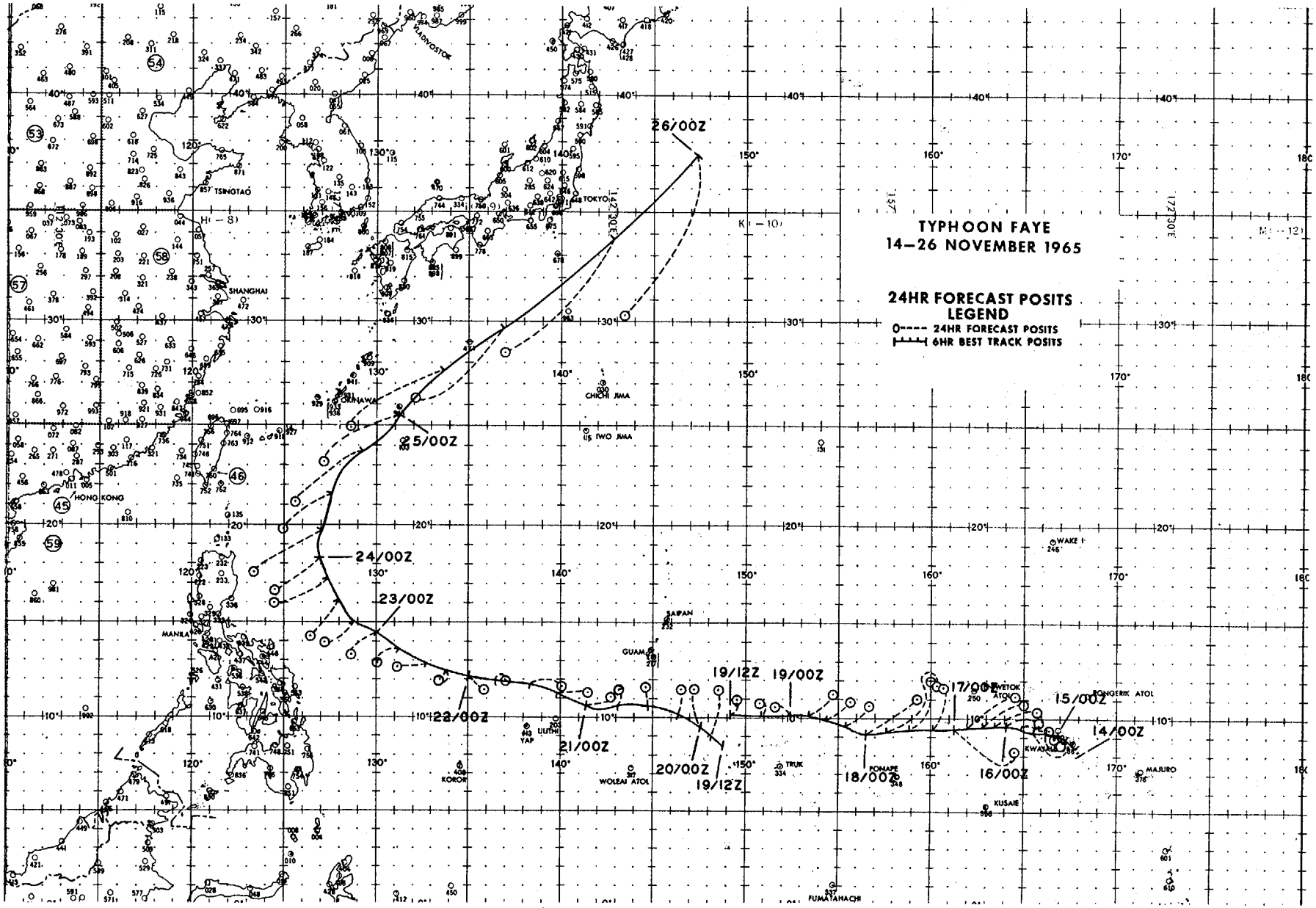
TYPHOON FAYE 14 NOV-26 NOV 1965
POSITION AND FORECAST VERIFICATION DATA

DTG	STORM POSITION LAT.	LONG.	24 HOUR ERROR DEG. DISTANCE	48 HOUR ERROR DEG. DISTANCE
140000Z	08.1N	168.1E	------	------
140600Z	08.4N	167.8E	------	------
141200Z	08.6N	167.6E	------	------
141800Z	08.8N	167.3E	------	------
150000Z	09.1N	166.8E	------	------
150600Z	09.2N	166.2E	117-60	------
151200Z	09.2N	165.5E	102-72	------
151800Z	09.4N	164.9E	98-86	------
160000Z	09.5N	164.2E	87-103	------
160600Z	09.6N	163.5E	73-147	042-75
161200Z	09.5N	162.8E	59-153	073-128
161800Z	09.4N	162.0E	54-180	075-165
170000Z	09.4N	161.3E	112-205	068-195
170600Z	09.4N	160.1E	16-135	065-274
171200Z	09.4N	158.9E	23-166	048-275
171800Z	09.2N	157.7E	45-222	048-307
180000Z	09.2N	156.5E	56-195	083-393
180600Z	09.5N	155.4E	50-105	035-244
181200Z	09.8N	154.3E	53-106	039-251
181800Z	10.1N	153.4E	53-106	047-271
190000Z	10.1N	152.4E	295-58	053-235
190600Z	10.1N	150.9E	345-33	048-148
191200Z	10.2N	149.2E	27-55	055-201
191800Z	08.9N	148.1E	09-151	041-265
200000Z	09.4N	147.5E	352-118	346-143
200600Z	10.2N	146.3E	09-78	358-108
201200Z	10.6N	144.8E	357-60	009-98
201800Z	10.5N	143.1E	02-57	019-136
210000Z	10.5N	141.4E	70-92	030-135
210600Z	11.3N	139.9E	90-99	055-135
211200Z	11.6N	138.4E	92-106	056-111
211800Z	11.8N	136.7E	083-24	070-105
220000Z	12.1N	135.1E	130-67	095-168
220600Z	12.5N	133.9E	225-39	100-165
221200Z	12.7N	132.7E	263-85	102-159
221800Z	13.5N	131.3E	240-78	061-21

TYPHOON FAYE 14 NOV-26 NOV 1965
POSITION AND FORECAST VERIFICATION DATA

DTG	STORM POSITION LAT.	LONG.	24 HOUR ERROR DEG. DISTANCE	48 HOUR ERROR DEG. DISTANCE
230000Z	14.4N	130.1E	229-106	168-105
230600Z	15.0N	128.8E	234-119	228-89
231200Z	16.1N	128.1E	218-145	240-130
231800Z	17.2N	127.5E	248-186	237-168
240000Z	18.3N	127.0E	233-170	242-258
240600Z	19.7N	127.1E	238-247	243-327
241200Z	21.6N	127.8E	234-191	234-415
241800Z	23.6N	129.4E	234-261	245-540
250000Z	25.5N	131.3E	238-267	238-630
250600Z	27.6N	133.8E	240-322	240-780
251200Z	29.6N	137.0E	232-325	241-604
251800Z	33.7N	142.9E	224-430	236-829
260000Z	37.4N	147.6E	206-490	231-935

AVERAGE 24 HOUR ERROR 148 MI
AVERAGE 48 HOUR ERROR 268 MI


TYPHOON FAYE
14–26 NOVEMBER 1965
24HR FORECAST POSITS
LEGEND
24HR FORECAST POSITS
6HR BEST TRACK POSITS
26/00Z
25/00Z
24/00Z
23/00Z
22/00Z
21/00Z
20/00Z
19/12Z
19/00Z
18/00Z
17/00Z
16/00Z
15/00Z
14/00Z
VLADIVOSTOK
TSINGTAO
SHANGHAI
TOKYO
OKINAWA
CHICHI JIMA
IWO JIMA
HONG KONG
MANILA
SAIPAN
GUAM
YAP
ULITHI
KOROR
WOLEAI ATOL
TRUK
PONAPE
KUSAIE
FUMATAHACHI
WAKE I
WETOK ATOL
KWAJALEIN
MAJURO
157°
172°30'E
142°30'E