TYPHOON TRIX - 101200Z TO 181200Z SEPTEMBER

I. DATA

A. Statistics

1. Number of warnings issued - 33
2. Number of warnings with typhoon intensity - 27
3. Total distance traveled during tropical warning period - 2497 mi

B. Characteristics as a typhoon

1. Minimum observed SLP - 930mbs at 150200Z
2. Minimum observed 700mb height - 2508m. at 142100Z
3. Maximum surface wind - 130 kts (From Best Track)
4. Maximum radius of surface circulation - 850 mi

II. DEVELOPMENT

A. Initial impetus - Divergence aloft and surge of low and mid level inflow from Southern Hemisphere

B. Initial surface vortex

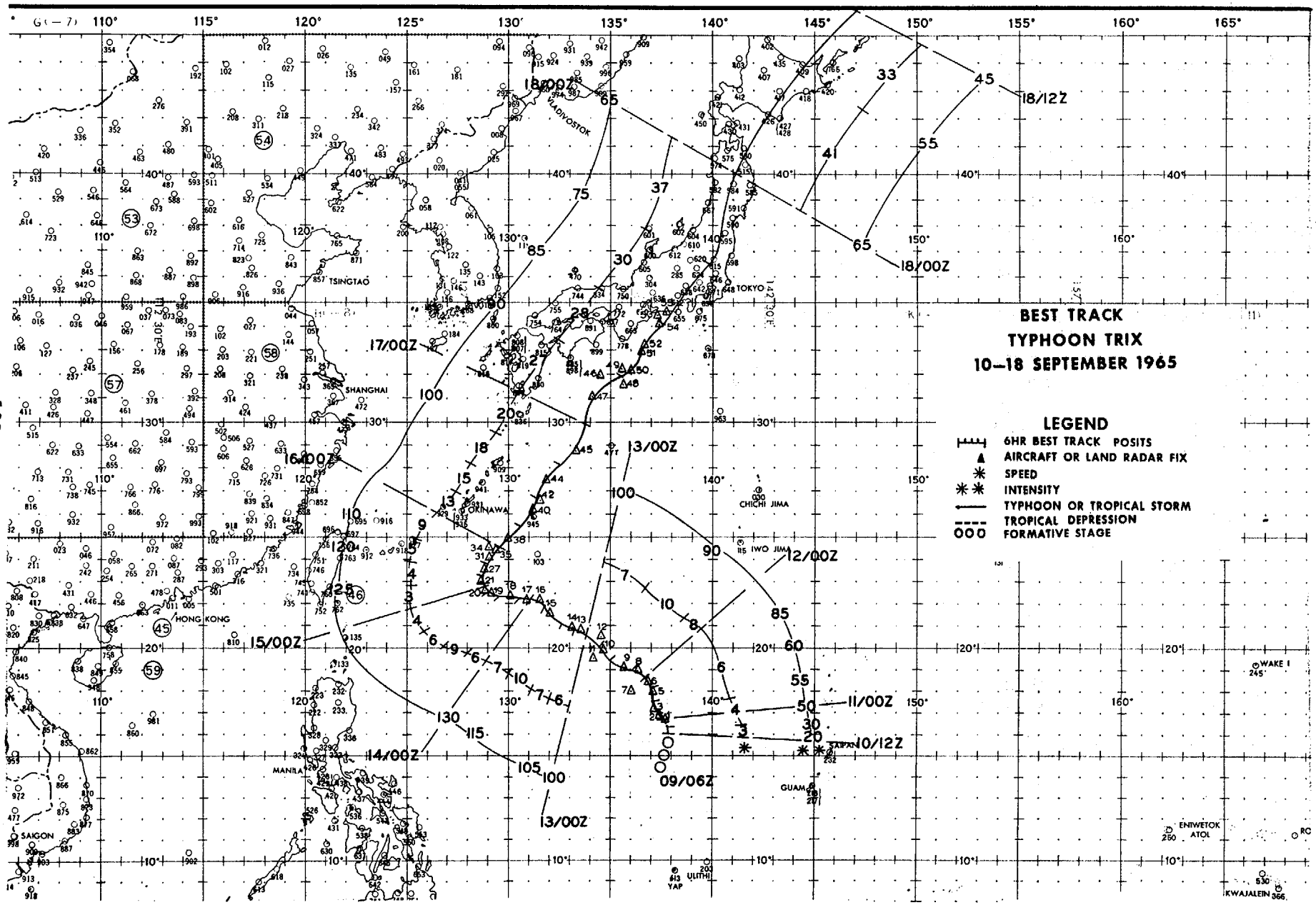
1. Junction vortex at 090600Z
2. Surface pressure less than 1005mbs

C. 200mb flow above surface vortex

1. Initial - northerly
2. Upon reaching typhoon intensity - near center of anticyclonic outdraft

III. FINAL DISPOSITION

A. Became extratropical


BEST TRACK
TYPHOON TRIX
10–18 SEPTEMBER 1965
LEGEND
6HR BEST TRACK POSITS
AIRCRAFT OR LAND RADAR FIX
SPEED
INTENSITY
TYPHOON OR TROPICAL STORM
TROPICAL DEPRESSION
FORMATIVE STAGE
VLADIVOSTOK
TSINGTAO
SHANGHAI
TOKYO
OKINAWA
CHICHI JIMA
IWO JIMA
HONG KONG
MANILA
SAIGON
GUAM
WAKE I
ENIWETOK ATOL
KWAJALEIN
ULITHI
YAP
18/00Z
18/12Z
17/00Z
16/00Z
15/00Z
14/00Z
13/00Z
12/00Z
11/00Z
10/12Z
09/06Z

EYE FIXES TYPHOON TRIX

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	102230Z	16.7N 137.7E	54-P-P3	700mb	--	45	986	2978	10/--	CNTR APPRS COLDER THAN ENVIRONMENT
2	110300Z	16.8N 137.3E	54-P-P5	700mb	42	55	980	2957	17/--	EYE CIRC 15 MI DIA WELL DEFINED
3	110900Z	17.2N 137.1E	VW1-P-P5	944mb	35	40	974	---	26/19	EYE CIRC 18 MI DIA CLASSIC FDR BNDS DVLPG
4	111240Z	17.3N 137.2E	VW1-R-U	700mb	--	--	--	---	--/--	
5	111440Z	17.9N 137.1E	VW1-P-P5	723mb	--	55	--	2954	15/09	EYE CIRC 20 MI DIA FDR BNDS TO 300 MI SW QUAD
6	1 250Z	18.4N 136.8E	54-P-P1	700mb	--	85	960	2859	16/--	EYE CIRC 20 MI DIA CLASSIC FDR BNDS ALL QUADS
7	120035Z	18.0N 136.0E	TIROS	--	--	--	--	---	--/--	STAGE X, DIA 7, BNDS 3
8	120330Z	19.0N 136.3E	54-P-P1	700mb	--	85	944	2844	17/--	EYE CIRC 20 MI DIA
9	120900Z	19.1N 135.6E	VW1-R-P5	1000 ft	--	60	--	---	--/--	EYE CIRC 10 MI DIA TOPS ABOVE 40,000 FT
10	121445Z	19.9N 134.6E	VW1-R-P5	1200 ft	--	--	--	---	--/--	EYE CIRC 5 MI DIA
11	122100Z	19.6N 134.1E	54-P-P3	700mb	35	65	969	2844	15/--	
12	130058Z	20.5N 134.5E	TIROS	--	--	--	--	---	--/--	STAGE X, DIA 5, BNDS 3

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
13	130300Z	20.8N 133.5E	54-P-P3	700mb	55	70	959	2752	17/--	EYE CIRC 5 MI DIA STM WKR THAN AT LAST FIX
14	130844Z	20.9N 133.1E	VW1-R-P5	870 ft	--	75	--	---	--/--	EYE CIRC 8 MI DIA CON-CENTRIC OUTER EYE 65 MI DIA
15	131445Z	21.5N 132.0E	VW1-R-P10	1450 ft	55	--	--	---	--/--	EYE CIRC 10 MI DIA CON-CENTRIC OUTER EYE 50 MI DIA
16	132100Z	22.2N 131.5E	54-P-P2	700mb	--	40	945	2634	21/--	EYE CIRC 50 MI DIA
17	140200Z	22.2N 130.9E	54-P-P2	700mb	95	130	950	2670	20/--	RDR EYE CIRC 50 MI DIA WND EYE 20 MI DIA
18	140845Z	22.3N 130.1E	VW1-R-P10	955ft	80	95	--	---	--/--	RDR EYE CIRC 50 MI DIA
19	141445Z	22.4N 129.1E	VW1-R-P10	4190ft	--	--	--	---	--/--	EYE CIRC 50 MI DIA
20	142100Z	22.6N 128.8E	54-P-P3	700mb	100	80	933	2508	21/--	EYE CIRC 60 MI DIA FDR BNDS ALL QUADS
21	150200Z	23.0N 128.7E	54-P-P3	700mb	100	130	930	2508	20/--	EYE CIRC 60 MI DIA WALL CLD ALL QUAD 10 MI THICK
22	150430Z	23.1N 128.5E	LND RDR	--	--	--	--	---	--/--	
23	150800Z	23.1N 128.5E	LND RDR	--	--	--	--	---	--/--	STM STATIONARY
24	150900Z	23.1N 128.8E	VW1-R-P5	1000ft	--	80	--	---	--/--	
25	150900Z	23.5N 128.6E	LND RDR	--	--	--	--	---	--/--	
26	151400Z	23.8N 128.8E	LND RDR	--	--	--	--	---	--/--	NAHA RDR STM STATIONARY EYE 81 MI DIA
27	151500Z	23.6N 128.8E	VW1-R-P2	700mb	75	--	--	---	--/--	EYE ELIP N-S

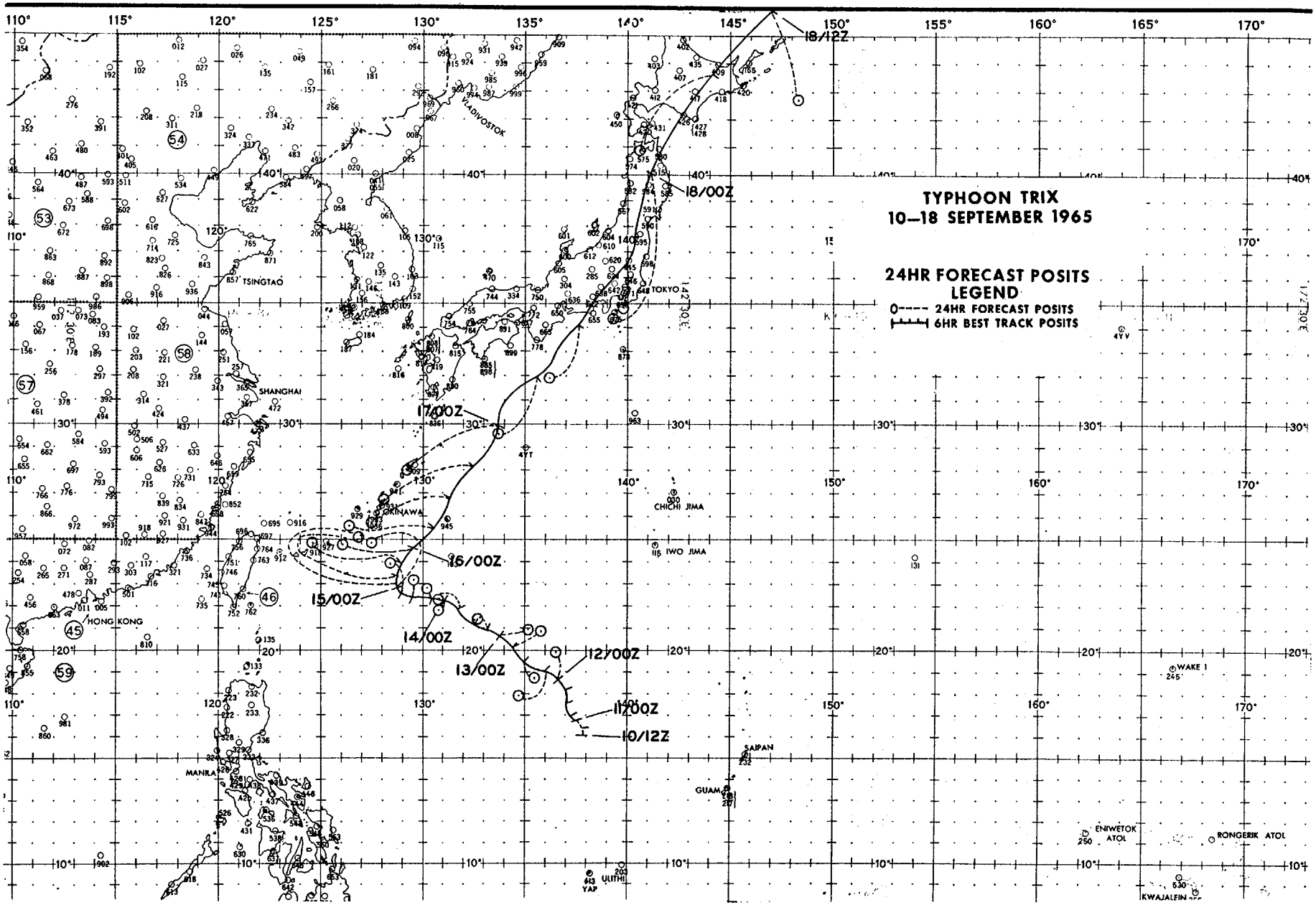
FIX NO.	TIME	POSIT	UNIT-METHOD -ACCY	FLT LVL	FLT LVL WND	OBS SFC WND	OBS MIN SLP	MIN 700MB HGT	FLT LVL TT/TD	REMARKS
28	151500Z	24.1N 128.1E	LND RDR	--	--	--	--	---	--/--	MIYAKO JIMA RDR
29	151615Z	23.8N 129.0E	LND RDR	--	--	--	--	---	--/--	NAHA RDR EYE 74 MI DIA
30	152040Z	24.3N 129.0E	LND RDR	--	--	--	--	---	--/--	KADENA RDR
31	152100Z	24.1N 129.0E	54-P-P5	700mb	65	--	947	2637	17/--	EYE CIRC 20 MI DIA NO WALL CLDS SOLID MASS CLDS 80 MI DIA
32	152100Z	24.4N 129.2E	LND RDR	--	--	--	--	---	--/--	NAHA RDR STM MVG 030 DEG 08 KTS
33	152300Z	24.5N 129.5E	LND RDR	--	--	--	--	---	--/--	NAHA RDR
34	160035Z	24.5N 129.0E	TIROS	--	--	--	--	---	--/--	STAGE X, BNDS 4
35	160039Z	24.4N 129.3E	LND RDR	--	--	--	--	---	--/--	KADENA RDR
36	160143Z	24.8N 129.5E	LND RDR	--	--	--	--	---	--/--	KADENA RDR
37	160228Z	25.2N 129.8E	TIROS	--	--	--	--	---	--/--	STAGE X, DIA 6, BNDS 4 WELL DVLPD EYE VSBL
38	160300Z	24.9N 129.9E	54-P-P3	700mb	80	70	950	2643	17/--	EYE CIRC 20 MI DIA FDR BNDS ALL QUADS
39	160945Z	26.3N 131.3E	LND RDR	--	--	--	--	---	--/--	NAHA RDR
40	161000Z	26.2N 131.2E	VW1-P-P2	1300ft	78	90	946	---	25/11	EYE CIRC 80 MI DIA
41	161200Z	26.7N 131.4E	VW1-R-U	1500ft	--	--	--	---	--/--	EYE OPEN SW QUAD
42	161210Z	26.5N 131.5E	LND RDR	--	--	--	--	---	--/--	KADENA RDR
43	161300Z	26.7N 131.7E	LND RDR	--	--	--	--	---	--/--	NAHA 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
44	161430Z	27.4N 131.8E	VW1-P-P3	1300ft	90	--	949	---	25/20	EYE CIRC 140 MI DIA. FDR BNDS ALL QUADS XCP SW
45	162100Z	28.7N 133.3E	54-P-P3	700mb	65	--	951	2685	17/--	EYE CIRC 100 MI DIA. EYE FILLED WITH CLDS
46	170200Z	32.0N 134.5E	TIROS	--	--	--	--	---	--/--	STAGE X, DIA 4.5, BNDS 3
47	170300Z	31.1N 134.1E	54-P-P3	700mb	100	130	956	2722	17/--	EYE CIRC 100 MI DIA
48	170600Z	31.6N 135.6E	LND RDR	--	--	--	--	---	--/--	FUJI RDR
49	170630Z	32.3N 135.5E	LND RDR	--	--	--	--	---	--/--	
50	170700Z	32.2N 136.0E	LND RDR	--	--	--	--	---	--/--	FUJI RDR
51	170830Z	33.0N 136.4E	VW1-R-P10	1100ft	65	60	979	---	21/18	EYE CIRC 12 MI DIA
52	170900Z	33.3N 136.6E	LND RDR	--	--	--	--	---	--/--	FUJI RDR
53	171200Z	34.4N 137.3E	LND RDR	--	--	--	--	---	--/--	FUJI RDR
54	171200Z	34.1N 137.3E	LND RDR	--	--	--	--	---	--/--	NAGOYA RDR
55	171300Z	34.6N 137.7E	LND RDR	--	--	--	--	---	--/--	FUJI RDR

TYPHOON TRIX 10 SEPT-18 SEPT 1965
POSITION AND FORECAST VERIFICATION DATA

DTG	STORM POSITION LAT.	LONG.	24 HOUR ERROR DEG. DISTANCE	48 HOUR ERROR DEG. DISTANCE
101200Z	16.0N	137.9E	------	------
101800Z	16.4N	137.8E	------	------
110000Z	16.7N	137.4E	------	------
110600Z	16.9N	137.2E	------	------
111200Z	17.6N	137.2E	------	------
111800Z	18.2N	137.0E	------	------
120000Z	18.6N	136.6E	352-74	------
120600Z	19.0N	136.0E	226-100	------
121200Z	19.4N	135.0E	151-44	------
121800Z	20.1N	134.4E	063-90	------
130000Z	20.6N	133.8E	079-79	032-161
130600Z	20.8N	133.2E	325-40	232-90
131200Z	21.1N	132.5E	341-10	128-100
131800Z	21.8N	131.7E	294-55	021-87
140000Z	22.2N	136.0E	221-24	050-70
140600Z	22.2N	130.4E	346-40	312-145
141200Z	22.3N	129.5E	007-55	335-77
141800Z	22.4N	128.9E	341-95	326-160
150000Z	22.7N	128.5E	333-138	319-114
150600Z	23.0N	128.7E	325-157	323-115
151200Z	23.3N	128.7E	314-145	314-197
151800Z	23.8N	128.9E	285-247	312-265
160000Z	24.5N	129.5E	275-180	318-340
160600Z	25.4N	130.5E	273-224	310-373
161200Z	26.7N	131.3E	254-216	290-355
161800Z	28.1N	132.5E	251-250	271-488
170000Z	29.9N	133.7E	244-256	255-497
170600Z	31.9N	135.5E	215-164	253-545
171200Z	34.2N	137.4E	203-153	242-560
171800Z	36.5N	139.8E	180-97	238-615
180000Z	40.1N	141.2E	194-350	230-528
180600Z	43.6N	144.2E	224-233	200-537
181200Z	45.9N	147.1E	165-205	191-524

AVERAGE 24 HOUR ERROR 138 MI
AVERAGE 48 HOUR ERROR 302 MI


TYPHOON TRIX
10–18 SEPTEMBER 1965
24HR FORECAST POSITS
LEGEND
0---- 24HR FORECAST POSITS
6HR BEST TRACK POSITS
18/12Z
18/00Z
17/00Z
16/00Z
15/00Z
14/00Z
13/00Z
12/00Z
11/00Z
10/12Z
VLADIVOSTOK
TSINGTAO
SHANGHAI
TOKYO
OKINAWA
CHICHI JIMA
IWO JIMA
HONG KONG
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SAIPAN
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ENIWETOK ATOL
RONGERIK ATOL
KWAJALEIN
ULITHI
YAP