TYPHOON KIT - 050600Z to 111800Z OCTOBER

I. DATA

A. Statistics

1. Calendar days of tropical warning - 6 3/4

2. Calendar days of typhoon intensity - 5¼

3. Total distance traveled during tropical warning period - 1674 mi.

B. Characteristics as a typhoon

1. Minimum observed SLP - 929mb, 100400Z

2. Minimum observed 700mb height 2451m, 100400Z

3. Max radius of SFC circulation - 700 mi.

4. Max surface winds - 135 kts

II. DEVELOPMENT

A. Initial impetus - Fracture of polar trough with subsequent formation of outdraft at 200mb level

B. Initial surface vortex

1. Junction vortex at 031200Z

2. Surface pressure less than 1008mb

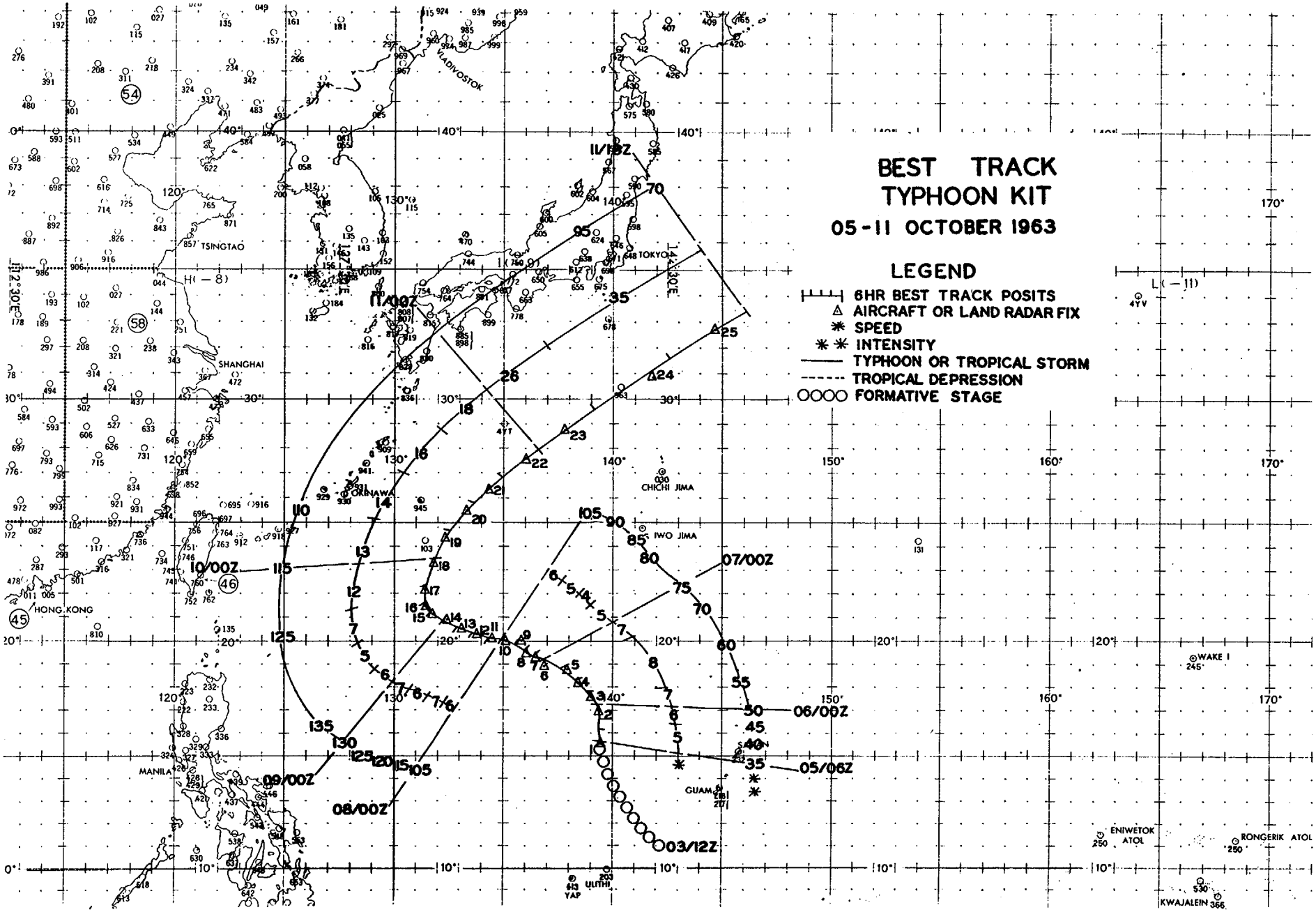
C. Zenith flow at 200 mb

1. Relative position surface vortex SE quadrant of anticyclone

2. Wind direction over vortex ENE

III. FINAL DISPOSITION

A. Became extratropical


BEST TRACK
TYPHOON KIT
05-11 OCTOBER 1963
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
GUAM
WAKE I
ENIWETOK ATOL
RONGERIK ATOL
KWAJALEIN
ULITHI
YAP
11/18Z
11/00Z
10/00Z
09/00Z
08/00Z
07/00Z
06/00Z
05/06Z
03/12Z

LAND RADAR AND AIRCRAFT FIXES - TYPHOON KIT

FIX NO/TIME	LAT.	LONG.	UNIT METHOD & ACCY	MAX SFC WND	MAX 700MB WND	MIN 700MB HGT	RECON MIN SLP MBS	JTWC MIN SLP *MBS	700MB T/Td (°C)	EYE CHARACTERISTICS
1 050320Z	15.5N	139.5E	VW1-P-U	32	-	-	1003	-	- -	POORLY ORGANIZED
2 052200Z	17.0N	139.3E	56-P-15	18	30	3027	-	-	15/12	NO VISUAL EYE
3 060400Z	17.7N	139.0E	56-P-03	55	45	3072	1001	1001	11/05	CIRC 30 MI DIA,CLSD,WALL CLDS 5 MI THICK
4 060930Z	18.2N	138.4E	VW1-P-03	45	-	2926	991	994	14/05	CIRC 36 MI DIA,CLSD
5 061635Z	18.8N	137.9E	VW1-R-15	-	-	2990	1008	993	- -	NO DEFINITE RDR CNTR
6 062200Z	18.9N	136.9E	56-P-05	50	52	2975	992	989	13/12	HVY RDR RETURNS NE QUAD
7 070400Z	19.4N	136.4E	56-P-03	50	60	2932	991	984	15/10	ELLIP 40 MI N-S,35 MI E-W,CLSD WALL CLDS 10 MI THICK
8 071030Z	19.6N	136.2E	VW1-R-10	-	-	-	-	-	- -	CIRC 40 MI DIA,CLSD
9 071530Z	20.0N	135.8E	VW1-R-05	-	-	-	-	-	- -	OVAL 42 MI NW-SE,35 MI NE-SW,OPEN S,CLDS 10 MI THICK
10 072200Z	20.0N	135.1E	56-P-01	130	90	2749	957	961	18/05	CIRC 50 MI DIA,CLSD
11 080400Z	20.1N	134.4E	56-P-05	130	90	2688	953	955	18/08	CIRC 30 MI DIA,CLSD, STRONG E
12 081000Z	20.3N	133.7E	VW1-R-05	-	-	-	-	-	- -	CIRC 31 MI DIA,CLSD,EXTREMELY STRONG FEEDER BANDS
13 081530Z	20.6N	133.1E	VW1-R-05	-	-	-	-	-	- -	CIRC 27 MI DIA,WELL DEVELOP
14 082200Z	20.9N	132.4E	56-P-01	120	115	2533	939	940	16/14	CIRC 25 MI DIA,CLSD
15 090400Z	21.2N	131.6E	56-P-03	130	110	2509	937	936	18/17	CIRC 20 MI DIA,CLSD

*Computed

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

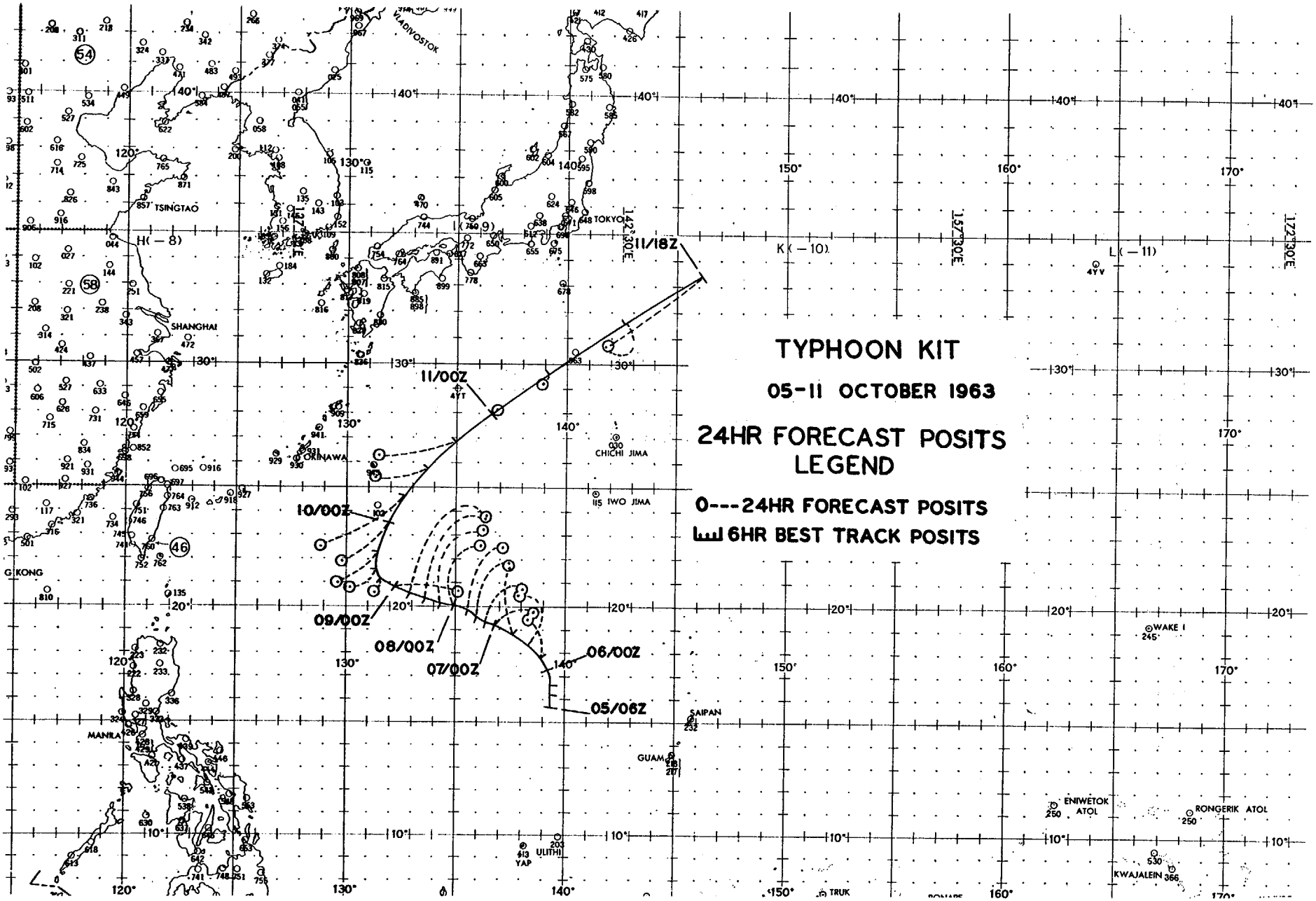
FIX NO/TIME	LAT.	LONG.	UNIT METHOD & ACCY	MAX SFC WND	MAX 700MB WND	MIN 700MB HGT	RECON MIN SLP MBS	JTWC MIN SLP *MBS	700MB T/Td (°C)	EYE CHARACTERISTICS
16 090930Z	21.5N	131.4E	VW1-R-10	-	-	-	-	-	- -	CIRC 26 MI DIA,CLSD,WALL CLDS 9 MI THICK
17 091540Z	22.2N	131.5E	VW1-R-05	-	-	-	-	-	- -	CIRC 31 MI DIA,CLSD,WALL CLDS 10 MI THICK
18 092245Z	23.3N	131.9E	56-R-05	60	83	2545	944	940	17/13	CIRC 40 MI DIA,CLSD,WALL CLDS 7 MI THICK
19 100400Z	24.4N	132.5E	56-P-05	75	85	2451	930	929	18/14	CIRC 30 MI DIA,CLSD,WALL CLDS 7 MI THICK
20 101000Z	25.5N	133.3E	VW1-R-05	-	-	-	-	-	- -	CIRC 32 MI DIA,CLSD,WALL CLDS 6 MI THICK
21 101545Z	26.5N	134.3E	VW1-R-05	-	-	-	-	-	- -	CIRC 24 MI DIA,CLSD,WALL CLDS 5 MI THICK
22 102200Z	27.5N	136.0E	56-P-03	130	120	2637	949	950	18/13	CIRC 30 MI DIA,CLSD,WALL CLDS 10 MI THICK
23 110400Z	28.7N	137.8E	56-P-05	150	90	2661	954	953	19/13	CIRC 35 MI DIA,CLSD,WALL CLDS 10 MI THICK
24 111000Z	30.8N	141.8E	VW1-R-10	-	-	-	-	-	- -	OPEN ALL QUADS,DISORG
25 111600Z	32.6N	144.7E	VW1-R-20	-	-	-	-	-	- -	CNTR COMPLETELY DIFFUSED

*Computed

TYPHOON KIT 05 OCT-11 OCT 1963
POSITION AND FORECAST VERIFICATION DATA

DTG	STORM POSITION LAT.	LONG.	24 HOUR ERROR DEG. DISTANCE	48 HOUR ERROR DEG. DISTANCE
050600Z	15.7N	139.4E	------	------
051200Z	16.2N	139.3E	------	------
051800Z	16.7N	139.3E	------	------
060000Z	17.3N	139.2E	------	------
060600Z	17.9N	138.8E	339-97	------
061200Z	18.4N	138.1E	352-120	------
061800Z	18.8N	137.4E	360-173	------
070000Z	19.2N	136.8E	075-98	------
070600Z	19.4N	136.3E	050-121	012-292
071200Z	19.7N	136.0E	030-150	015-336
071800Z	19.9N	135.5E	030-175	014-392
080000Z	20.0N	134.9E	024-170	036-215
080600Z	20.2N	134.3E	030-210	029-304
081200Z	20.3N	133.5E	039-250	034-450
081800Z	20.6N	132.9E	043-268	038-492
090000Z	20.9N	132.1E	097-167	043-542
090600Z	21.2N	131.5E	208-47	047-567
091200Z	21.7N	131.4E	231-89	066-293
091800Z	22.4N	131.5E	231-137	049-623
100000Z	23.5N	132.0E	233-163	116-124
100600Z	24.7N	132.7E	239-252	230-304
101200Z	25.8N	133.7E	257-137	237-360
101800Z	26.9N	135.0E	256-140	236-455
110000Z	28.0N	136.6E	053-15	239-517
110600Z	29.6N	139.1E	030-18	239-618
111200Z	31.4N	142.6E	230-67	250-310
111800Z	33.3N	146.0E	235-250	246-405

AVERAGE 24 HOUR ERROR 144 MI
AVERAGE 48 HOUR ERROR 400 MI


TYPHOON KIT
05-11 OCTOBER 1963
24HR FORECAST POSITS
LEGEND
0---24HR FORECAST POSITS
6HR BEST TRACK POSITS
05/06Z
06/00Z
07/00Z
08/00Z
09/00Z
10/00Z
11/00Z
11/18Z
VLADIVOSTOK
TSINGTAO
SHANGHAI
TOKYO
OKINAWA
CHICHI JIMA
IWO JIMA
SAIPAN
GUAM
MANILA
YAP
ULITHI
TRUK
ENIWETOK ATOL
RONGERIK ATOL
KWAJALEIN
WAKE I
H(-8)
I(-9)
K(-10)
L(-11)
157°30'E
172°30'E
142°30'E