TROPICAL CYCLONE 14 - 08/19/0000Z TO 08/22/1800Z

I. DATA

A. STATISTICS

1. NUMBER OF WARNINGS ISSUED - 16
2. NUMBER OF WARNINGS WITH TYPHOON INTENSITY - 09
3. TOTAL DISTANCE TRAVELED DURING TROPICAL WARNING PERIOD - 1404 MI

B. CHARACTERISTICS AS A TYPHOON

1. MINIMUM OBSERVED SLP - 975MBS AT 200304Z
2. MINIMUM OBSERVED 700MB HEIGHT - 2908M. AT 200304Z
3. MAXIMUM SURFACE WIND - 090 KTS (FROM BEST TRACK)
4. MAXIMUM RADIUS OF SURFACE CIRCULATION - 275 MI

II. DEVELOPMENT

A. INITIAL IMPETUS - FRACTURE OF A POLAR TROUGH AND AN EASTERLY WAVE

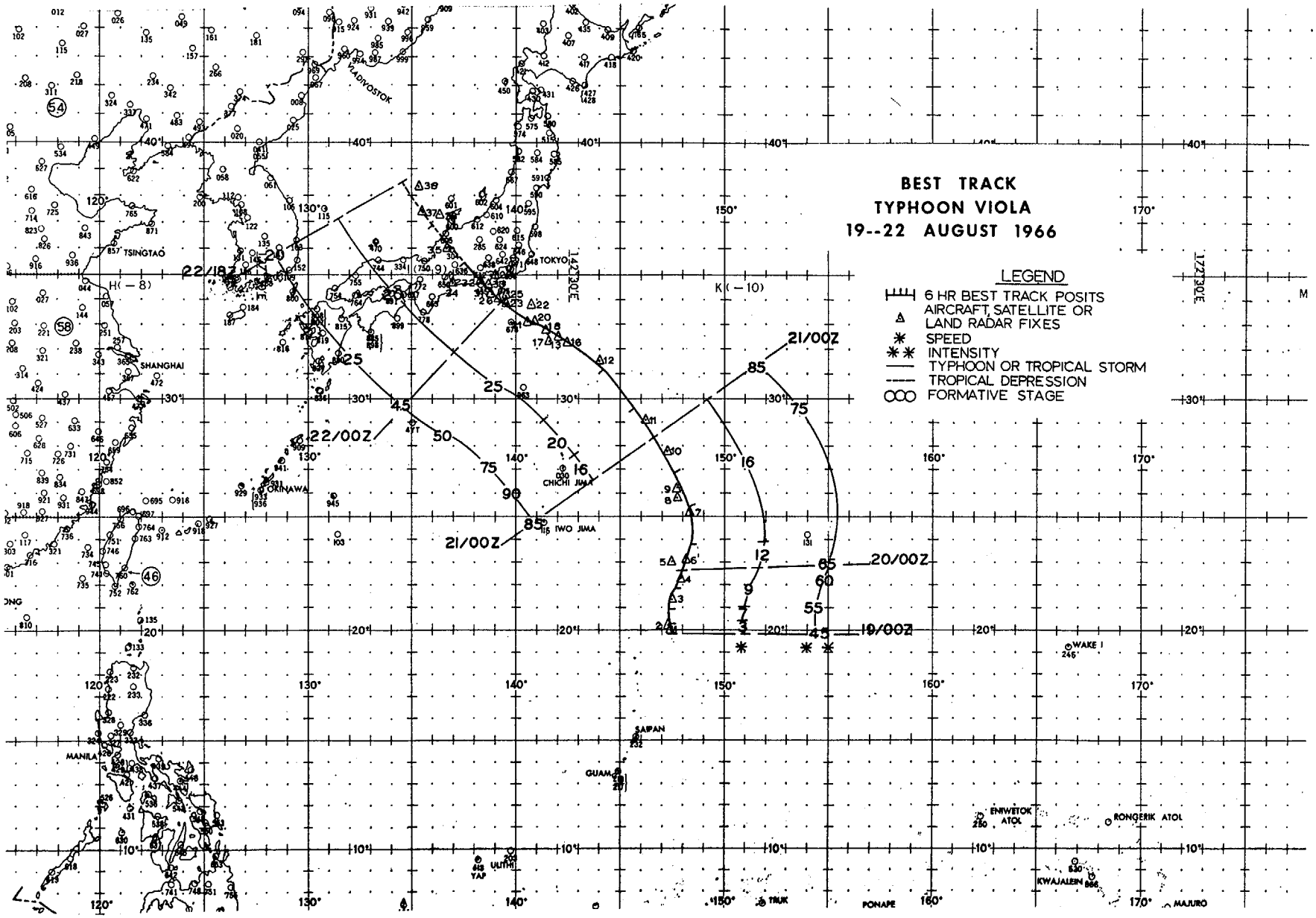
B. INITIAL SURFACE VORTEX

1. EMBEDDED VORTEX AT 181200Z
2. SURFACE PRESSURE LESS THAN 1006MB

C. 200MB FLOW ABOVE SURFACE VORTEX

1. INITIAL - NORTH
2. UPON REACHING TYPHOON INTENSITY - ANTICYCLONIC

III. FINAL DISPOSITION - BECAME EXTRATROPICAL


BEST TRACK
TYPHOON VIOLA
19--22 AUGUST 1966
LEGEND
6 HR BEST TRACK POSITS
AIRCRAFT, SATELLITE OR LAND RADAR FIXES
SPEED
INTENSITY
TYPHOON OR TROPICAL STORM
TROPICAL DEPRESSION
FORMATIVE STAGE
22/18Z
22/00Z
21/00Z
20/00Z
19/00Z
TSINGTAO
SHANGHAI
VLADIVOSTOK
TOKYO
CHICHI JIMA
IWO JIMA
OKINAWA
MANILA
SAIPAN
GUAM
YAP
ULITHI
TRUK
PONAPE
KWAJALEIN
MAJURO
ENIWETOK ATOL
RONGERIK ATOL
WAKE I
142°30'E
172°30'E

EYE FIXES CYCLONE 14

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	EYE FORM	ORIEN-TATION	EYE DIA	THKNS WALL CLOUD
1	190045Z	20.0N 147.4E	54-P-P20	0460M	045	050	996	---	--/--	CIRC	----	05	F.B.
2	190545Z	20.2N 147.3E	54-P-P07	700MB	040	055	986	2954	12/--	CIRC	----	05	10
3	191541Z	21.4N 147.5E	VW-P-P05	0440M	030	---	990	---	--/--	CIRC	----	04	--
4	192240Z	22.4N 147.9E	54-P-P03	700MB	050	065	988	3005	16/--	CIRC	----	10	F.B.
5	192255Z	23.0N 147.5E	TIROS	STG X	DIA 03	BNDS 2							
6	200304Z	23.1N 148.1E	54-P-P03	700MB	055	065	975	2908	17/--	CIRC	----	10	F.B.
7	201024Z	25.2N 148.3E	VW-P-P05	0340M	037	060	988	---	--/--	CIRC	----	05	05
8	201500Z	25.8N 147.8E	VW-UNK10		---	---	---	---	--/--	----			--
9	201530Z	26.2N 147.8E	VW-P-P05	0370M	057	---	987	---	--/--	CIRC	----	15	08
10	202130Z	27.8N 147.2E	54-P-P03	700MB	075	100	978	2954	18/03	CIRC	----	20	--
11	210325Z	29.1N 146.2E	54-P-P03	700MB	080	125	978	2938	19/--	CIRC	----	20	15
12	211115Z	31.5N 144.0E	VW-P-P05	3450M	---	---	986	3054	--/--	CIRC	----	15	--
13	211458Z	32.3N 142.3E	VW-P-P05	700MB	045	---	---	3045	--/--	CIRC	----	20	--
14	211500Z	32.1N 142.6E	LND RDR		---	---	---	---	--/--	----			--
15	211645Z	32.3N 141.6E	VW-UNK--		---	---	---	---	--/--	----			--
16	211700Z	32.5N 142.0E	LND RDR		---	---	---	---	--/--	----			--
17	211800Z	32.4N 141.6E	LND RDR		---	---	---	---	--/--	----			--
18	211900Z	32.7N 141.4E	LND RDR		---	---	---	---	--/--	----			--
19	212000Z	32.9N 141.2E	LND RDR		---	---	---	---	--/--	----			--
20	212100Z	33.2N 140.9E	LND RDR		---	---	---	---	--/--	----			--
21	212141Z	33.1N 140.5E	54-P-P03	700MB	060	100	993	3021	12/--	CIRC	----	20	F.B.
22	212200Z	33.7N 140.7E	LND RDR		---	---	---	---	--/--	----			--
23	212315Z	33.8N 139.6E	LND RDR		---	---	---	---	--/--	----			--
24	212330Z	33.7N 139.8E	LND RDR		---	---	---	---	--/--	----			--

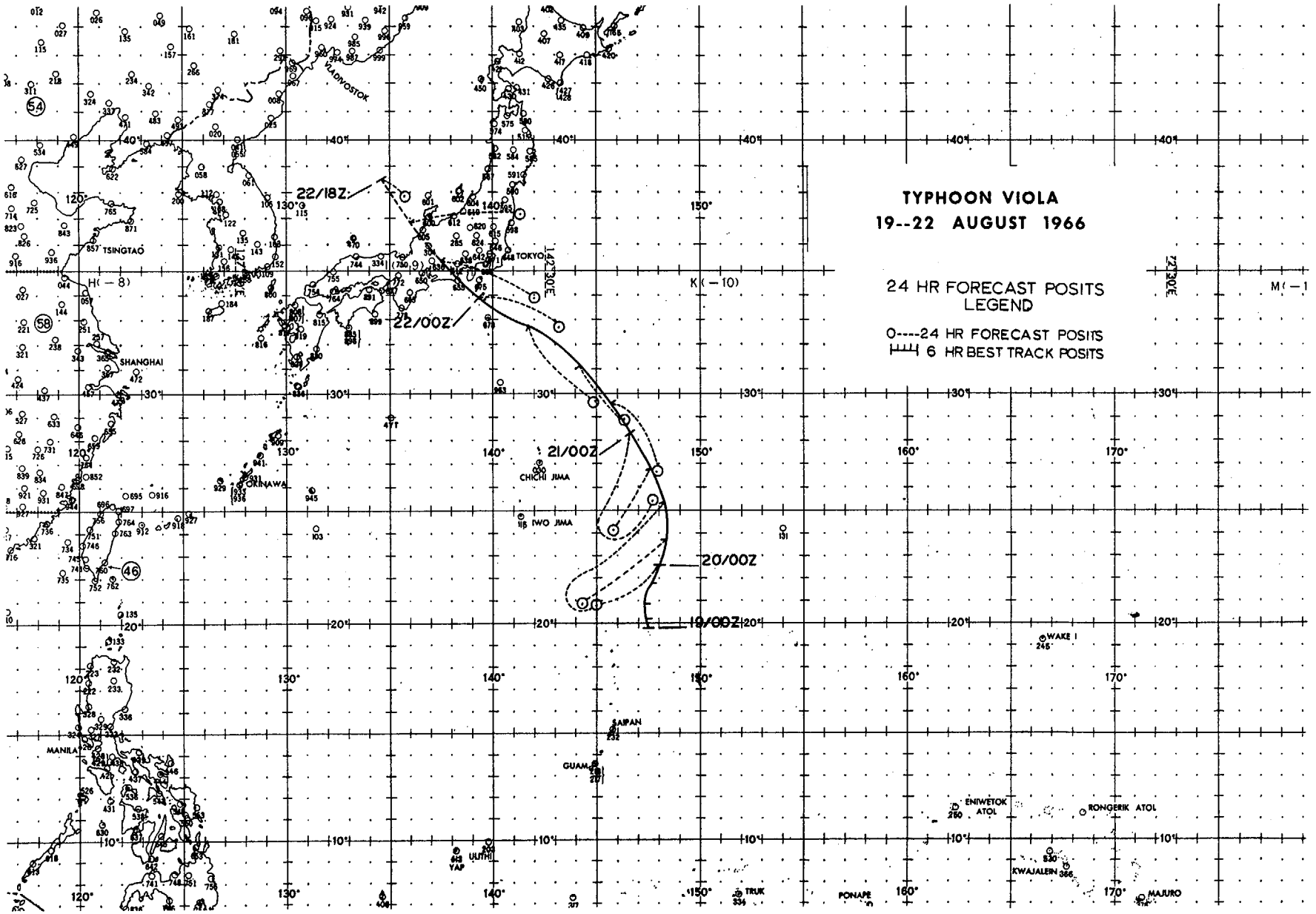
EYE FIXES CYCLONE 14

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	EYE FORM	ORIEN-TATION	EYE DIA	THKNS WALL CLOUD
25	220000Z	34.2N 139.6E	LND RDR		---	---	---	---	--/--	----			--
26	220030Z	34.0N 139.1E	LND RDR		---	---	---	---	--/--	----			--
27	220032Z	35.0N 139.0E	TIROS	STG X	DIA 02	BNDS 2							
28	220100Z	34.2N 139.3E	LND RDR		---	---	---	---	--/--	----			--
29	220130Z	34.1N 138.9E	LND RDR		---	---	---	---	--/--	----			--
30	220145Z	34.3N 138.8E	LND RDR		---	---	---	---	--/--	----			--
31	220205Z	34.2N 138.9E	54-P-P01	700MB	075	100	992	3042	13/--	CIRC	----	20	F.B.
32	220330Z	34.7N 138.3E	LND RDR		---	---	---	---	--/--	----			--
33	220400Z	34.5N 138.6E	LND RDR		---	---	---	---	--/--	ELIP	N-S	--X--	--
34	220730Z	34.7N 137.0E	LND RDR		---	---	---	---	--/--	----			--
35	220900Z	36.0N 136.8E	VW-P-L--	700MB	---	---	---	---	--/--	----			N.F.B.
36	221130Z	37.4N 136.3E	VW-P-L--	700MB	---	---	---	3115	--/--	----			--
37	221430Z	37.5N 135.4E	VW-P-L20	700MB	---	---	---	3151	12/--	----			--
38	221500Z	38.4N 135.3E	VW-R-L--	700MB	---	---	---	---	--/--	CIRC	----	75	--

TROPICAL CYCLONE 14 - 08/19/0000Z TO 08/22/1800Z
POSITION AND FORECAST VERIFICATION DATA

DTG	STORM POSITION LAT.	LONG.	24 HR. ERROR DEG.	DIST.	48 HR. ERROR DEG.	DIST.	72 HR. ERROR DEG.	DIST.
190000Z	19.9N	147.5E	--------		--------		--------	
190600Z	20.2N	147.3E	--------		--------		--------	
191200Z	20.9N	147.3E	--------		--------		--------	
191800Z	21.7N	147.6E	--------		--------		--------	
200000Z	22.6N	148.0E	235	0198	--------		--------	
200600Z	23.8N	148.3E	231	0270	--------		--------	
201200Z	25.4N	148.2E	212	0330	--------		--------	
201800Z	26.9N	147.6E	209	0186	--------		--------	
210000Z	28.3N	146.7E	165	0186	209	0432	--------	
210600Z	29.6N	145.7E	149	0204	202	0468	--------	
211200Z	31.1N	144.1E	142	0162	184	0570	--------	
211800Z	32.6N	141.7E	136	0228	162	0420	--------	
220000Z	33.9N	139.2E	110	0204	137	0492	--------	

AVERAGE 24 HOUR ERROR - 0218 MI.
AVERAGE 48 HOUR ERROR - 0476 MI.
AVERAGE 72 HOUR ERROR - ---- MI.


TYPHOON VIOLA
19--22 AUGUST 1966
24 HR FORECAST POSITS
LEGEND
0----24 HR FORECAST POSITS
6 HR BEST TRACK POSITS
22/18Z
22/00Z
21/00Z
20/00Z
19/00Z
VLADIVOSTOK
TSINGTAO
SHANGHAI
OKINAWA
TOKYO
CHICHI JIMA
IWO JIMA
SAIPAN
GUAM
MANILA
ULITHI
YAP
TRUK
PONAPE
ENIWETOK ATOL
RONGERIK ATOL
KWAJALEIN
MAJURO
WAKE I
H(-8)
K(-10)
M(-1