TYPHOON PHYLLIS - 01/17/0500Z TO 01/22/2300Z

I. DATA

A. STATISTICS
1. NUMBER OF WARNINGS ISSUED - 24
2. NUMBER OF WARNINGS WITH TYPHOON INTENSITY - 15
3. DISTANCE TRAVELED DURING WARNING PERIOD - 1968 MI

B. CHARACTERISTICS AS A TYPHOON
1. MINIMUM OBSERVED SLP - 966 MBS AT 182100Z
2. MINIMUM OBSERVED 700 MB HEIGHT - 2819 M AT 182100Z
3. MAXIMUM SURFACE WIND - 085 KTS (FROM BEST TRACK)
4. MAXIMUM RADIUS OF SURFACE CIRCULATION - 240 MI

II. DEVELOPMENT

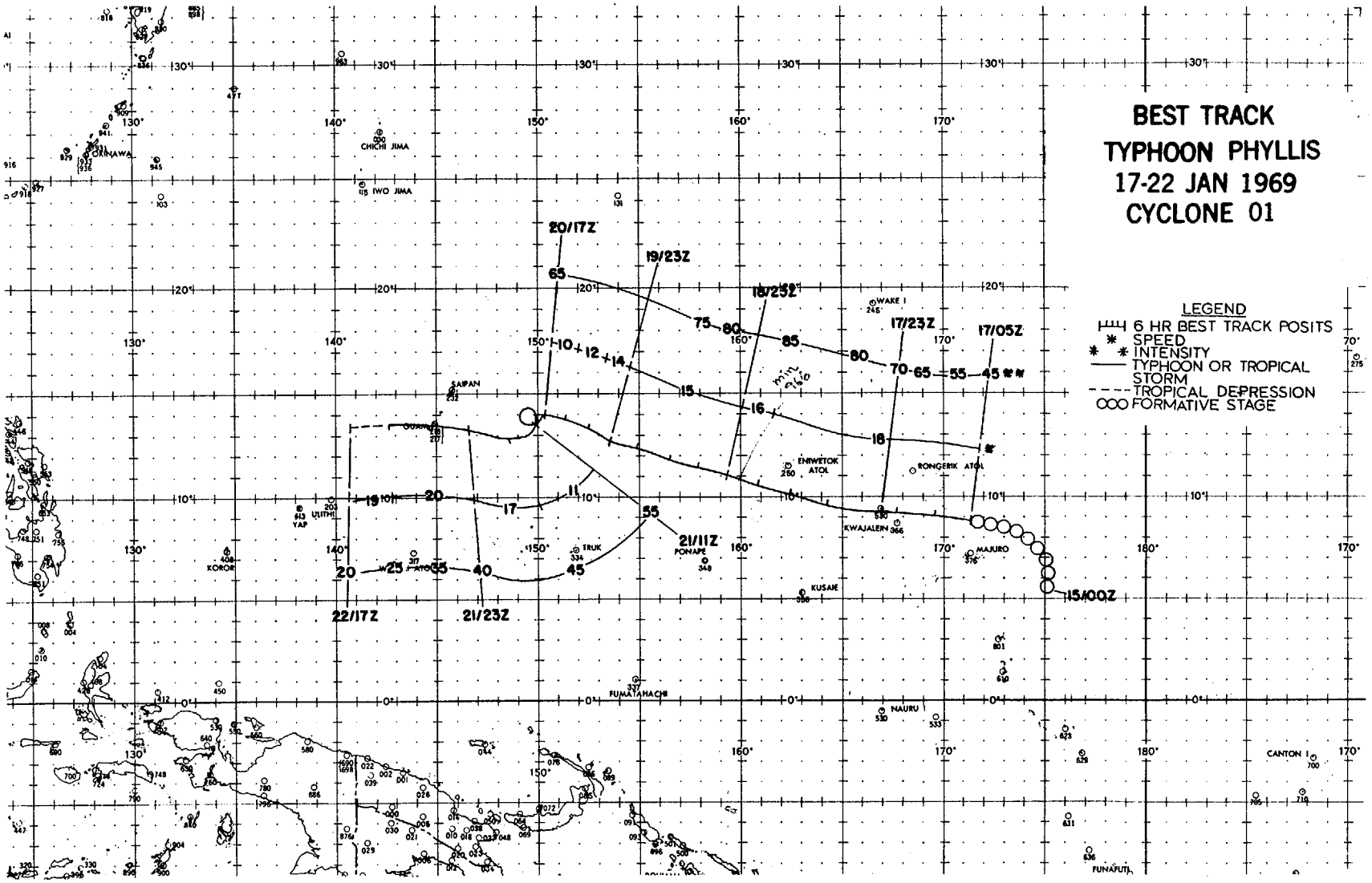
A. INITIAL IMPETUS - LOW LEVEL SURGE INTO CYCLONIC CIRCULATION FROM THE SOUTH WITH SUBSEQUENT DIVERGENCE AT 200 MB LEVEL.

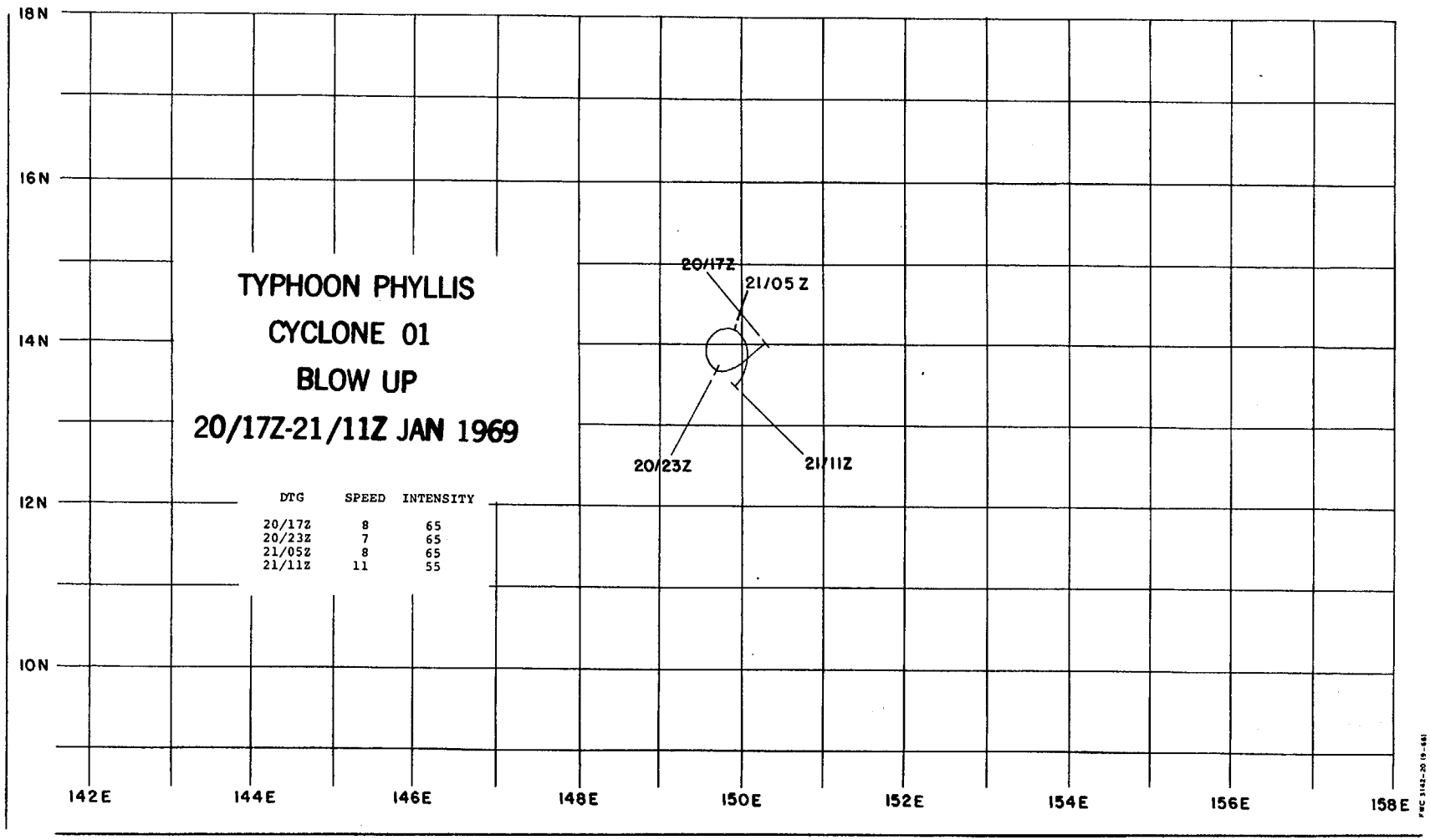
B. INITIAL SURFACE VORTEX
1. EMBEDDED VORTEX AT 140000Z
2. SURFACE PRESSURE LESS THAN 1006 MBS

C. 200 MB FLOW ABOVE SURFACE VORTEX
1. INITIAL - SOUTHEAST
2. UPON REACHING TYPHOON INTENSITY - SOUTHEAST

III. FINAL DISPOSITION

A. DISSIPATED OVER WATER


BEST TRACK
TYPHOON PHYLLIS
17-22 JAN 1969
CYCLONE 01
LEGEND
6 HR BEST TRACK POSITS
SPEED
INTENSITY
TYPHOON OR TROPICAL STORM
TROPICAL DEPRESSION
FORMATIVE STAGE
20/17Z
19/23Z
18/23Z
17/23Z
17/05Z
21/11Z
22/17Z
21/23Z
15/00Z
OKINAWA
CHICHI JIMA
IWO JIMA
SAIPAN
GUAM
YAP
ULITHI
KOROR
TRUK
PONAPE
WAKE I
ENIWETOK ATOL
RONGERIK ATOL
KWAJALEIN
MAJURO
KUSAIE
FUMATAHACHI
NAURU
CANTON I
FUNAFUTI



TYPHOON PHYLLIS
CYCLONE 01
BLOW UP
20/17Z-21/11Z JAN 1969

DTG	SPEED	INTENSITY
20/17Z	8	65
20/23Z	7	65
21/05Z	8	65
21/11Z	11	55

EYE FIXES CYCLONE 01

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	160314Z	08.0N 176.0E	SLTLS	STG X	D1A 02	BNDS 3							
2	170409Z	09.0N 170.5E	SLTLS	STG X	D1A 03	BNDS 3		918					
3	170605Z	08.7N 171.1E	54-P-03-05	700MB	080	055	980	2899	17/12	----			--
4	170900Z	09.1N 170.0E	LND RDR		---	---	---	---	--/--	----			--
5	171200Z	09.0N 168.8E	LND RDR		---	---	---	---	--/--	CIRC	----	25	--
6	171400Z	09.0N 168.5E	LND RDR		---	---	---	---	--/--	CIRC	----	25	--
7	171503Z	09.0N 168.2E	LND RDR		---	---	---	---	--/--	CIRC	----	24	--
8	171600Z	09.2N 167.9E	LND RDR		---	---	---	---	--/--	CIRC	----	26	--
9	171652Z	09.1N 167.8E	LND RDR		---	---	---	981 ---	--/--	----			--
10	172100Z	09.1N 166.6E	54-P-01-03	700MB	060	080	977	2920	17/08	CIRC	----	20	--
11	180015Z	09.5N 165.6E	LND RDR		---	---	---	---	--/--	CIRC	----	42	--
12	180120Z	09.2N 165.2E	LND RDR		---	---	---	---	--/--	----			--
13	180142Z	09.3N 165.1E	54-P------		---	---	---	2850	10/--	----			--
14	180215Z	09.2N 165.2E	LND RDR		---	---	---	---	--/--	CIRC	----	36	--
15	180250Z	09.3N 164.9E	54-P-05-03	700MB	080	090	972	2850	10/10	CIRC	----	25	--
16	180309Z	10.0N 163.0E	SLTLS	STG X	D1A 06	BNDS 3							
17	180900Z	10.0N 162.9E	VW-R----20		---	---	---	---	--/--	----			--
18	180930Z	10.0N 162.8E	VW-R-16-10		---	---	---	---	--/--	CIRC	----	25	--
19	181100Z	09.4N 162.3E	LND RDR		---	---	---	---	--/--	CIRC	----	40	--
20	181155Z	09.9N 162.1E	LND RDR		---	---	---	---	--/--	CIRC	----	40	--
21	181255Z	10.0N 161.4E	LND RDR		---	---	---	---	--/--	CIRC	----	44	--
22	181455Z	10.8N 160.7E	LND RDR		---	---	---	---	--/--	CIRC	----	55	--
23	181545Z	10.7N 160.9E	VW-R-05-10		---	---	---	---	--/--	CIRC	----	30	--
24	182100Z	11.0N 159.7E	54-P-03-03	700MB	090	085	966	2819	22/12	CIRC	----	20	--
25	190230Z	11.3N 158.5E	54-P-05-03	700MB	090	080	973	2868	18/12	CIRC	----	20	--
26	190404Z	11.5N 157.5E	SLTLS	STG X	D1A 03	BNDS 4							
27	190905Z	11.6N 157.3E	VW-P-05-05	0450M	---	065	968	---	26/22	CIRC	----	20	--
28	191415Z	12.1N 155.7E	VW-R-05-10		---	---	---	---	--/--	ELIP	N-S	25X20	--
29	192100Z	12.6N 154.0E	54-P-03-05	700MB	070	075	971	2880	20/12	CIRC	----	13	--
30	200300Z	13.1N 152.5E	54-P-05-06	700MB	---	080	976	2883	21/10	CIRC	----	14	10
31	200459Z	13.0N 152.0E	SLTLS	STG X	D1A 03	BNDS 4							
32	200848Z	13.5N 152.0E	VW-R-16-05		---	---	---	---	--/--	CIRC	----	30	--
33	201158Z	13.8N 151.2E	VW-P-16-05	700MB	---	---	---	2903	14/09	CIRC	----	15	--
34	201501Z	14.2N 150.5E	VW-P-16-03	700MB	---	---	---	2870	15/15	ELIP	NW-SE	14X09	--
35	202000Z	13.7N 150.3E	54-R------		---	---	---	---	--/--	----			--
36	202115Z	13.7N 150.0E	54-P-05-03	700MB	090	065	977	2938	20/12	CIRC	----	20	--
37	210000Z	13.8N 149.8E	54-P-05-03	700MB	055	065	980	2951	20/12	CIRC	----	20	--
38	210310Z	13.7N 149.6E	54-P-05-03	700MB	065	070	975	2920	18/12	CIRC	----	20	--
39	210359Z	13.5N 149.5E	SLTLS	STG X	D1A 02	BNDS 3							
40	210900Z	14.2N 149.8E	VW-R-03-05		---	---	---	---	--/--	CIRC	----	20	10
41	211226Z	13.7N 150.0E	VW-R-16-03		---	---	---	---	--/--	CIRC	----	22	--
42	211515Z	13.1N 149.6E	VW-P-05-02	0450M	---	055	987	3063	27/24	CIRC	----	20	--
43	211805Z	12.8N 148.5E	VW-R-16-05		---	---	---	---	--/--	CIRC	----	20	--
44	212100Z	13.2N 147.1E	54-P-02-03	700MB	030	040	997	3075	16/11	----			--
45	212245Z	13.4N 146.5E	LND RDR		---	---	---	---	--/--	----			--
46	212350Z	13.5N 146.2E	LND RDR		---	---	---	---	--/--	----			--
47	220100Z	13.5N 145.8E	LND RDR		---	---	---	---	--/--	----			--
48	220130Z	13.5N 145.7E	LND RDR		---	---	---	---	--/--	----			--

EYE FIXES CYCLONE 01

FIX NO.	TIME	POSIT	UNIT-METHOD -ACCY	FLT LVL	FLT LVL WND	OBS SFC WND	OBS MIN SLP	MIN 700MB HGT	FLT LVL IT/IO	EYE FORM	ORIEN-TATION	EYE DIA	TRANS WALL CLOUD
49	220200Z	13.5N 145.5E	LND RDR		---	---	---	---	--/--	----			--
50	220230Z	13.5N 145.3E	LND RDR		---	---	---	---	--/--	----			--
51	220300Z	13.7N 145.3E	LND RDR		---	---	---	---	--/--	----			--
52	220315Z	13.5N 145.3E	54-P-02-10	0450M	023	020	995	---	25/25	----			F.B.
53	220330Z	13.5N 145.0E	LND RDR		---	---	---	---	--/--	----			--
54	220430Z	13.5N 144.7E	LND RDR		---	---	---	---	--/--	----			--
55	220454Z	13.0N 144.5E	SLTLS	STG C	D1A -- BNDS -								
56	220530Z	13.5N 144.5E	LND RDR		---	---	---	---	--/--	----			--
57	220725Z	13.4N 144.0E	LND RDR		---	---	---	---	--/--	----			--
58	220905Z	13.6N 143.4E	VW-P-03-05	0450M	033	030	998	---	26/24	----			F.M.
59	220920Z	13.4N 143.6E	LND RDR		---	---	---	---	--/--	----			--
60	221447Z	13.6N 141.2E	VW-P-05-05	0450M	050	035	001	---	25/23	----			--
61	222130Z	13.0N 139.8E	54-P-03-15	0470M	020	015	---	---	--/--	----			--

TYPHOON PHYLLIS

TROPICAL CYCLONE 01 -- 01/17/1100Z TO 01/22/1700Z
POSITION AND FORECAST VERIFICATION DATA

WARN NO.	DTG	WARNING POSIT LAT	WARNING POSIT LONG	BEST TRACK LAT	BEST TRACK LONG	24 HR FCST LAT	24 HR FCST LONG	24 HR ERROR DEG DIST	48 HR FCST LAT	48 HR FCST LONG	48 HR ERROR DEG DIST	72 HR FCST LAT	72 HR FCST LONG	72 HR ERROR DEG DIST
01	170500Z	08.7N	171.0E	08.9N	171.3E	09.5N	165.4E	--------	10.1N	160.4E	--------	10.8N	156.0E	--------
02	171100Z	08.9N	169.8E	09.1N	169.5E	09.7N	163.8E	--------	10.5N	157.9E	--------	-	-	--------
03	171700Z	09.2N	167.7E	09.2N	167.7E	10.0N	161.4E	--------	10.5N	155.4E	--------	11.5N	149.6E	--------
04	172300Z	09.3N	166.0E	09.3N	165.9E	09.7N	159.8E	--------	10.0N	154.2E	--------	-	-	--------
05	180500Z	09.5N	164.3E	09.7N	164.1E	10.2N	157.6E	--------	10.7N	151.5E	--------	11.6N	146.4E	--------
06	181100Z	09.7N	162.5E	10.1N	162.4E	10.3N	155.7E	107-0078	10.9N	149.7E	--------	-	-	--------
07	181700Z	10.7N	160.5E	10.7N	160.8E	12.8N	154.1E	144-0048	15.0N	149.4E	--------	18.0N	145.0E	--------
08	182300Z	11.1N	159.2E	11.1N	159.3E	13.0N	153.8E	164-0084	14.6N	150.2E	--------	-	-	--------
09	190500Z	11.5N	158.0E	11.5N	157.9E	12.9N	152.9E	189-0078	14.2N	148.3E	--------	15.3N	144.7E	--------
10	191100Z	11.8N	156.9E	11.9N	156.4E	13.1N	152.1E	201-0102	14.4N	147.9E	134-0114	-	-	--------
11	191700Z	12.3N	155.2E	12.4N	154.9E	13.6N	150.5E	299-0048	14.9N	146.2E	168-0114	16.2N	142.0E	--------
12	192300Z	12.8N	153.6E	12.8N	153.6E	14.5N	147.8E	046-0012	15.8N	143.0E	169-0168	-	-	--------
13	200500Z	13.4N	152.0E	13.3N	152.4E	14.9N	147.0E	134-0030	14.6N	142.4E	198-0162	14.2N	137.7E	--------
14	201100Z	13.6N	151.4E	13.8N	151.3E	14.8N	147.5E	134-0054	14.8N	144.2E	208-0192	-	-	--------
15	201700Z	14.1N	150.0E	14.0N	150.3E	14.9N	146.0E	153-0024	14.7N	142.7E	321-0072	14.3N	139.5E	194-0150
16	202300Z	13.8N	149.8E	13.7N	149.7E	14.9N	146.2E	293-0114	15.3N	142.4E	024-0054	-	-	--------
17	210500Z	13.8N	149.4E	14.2N	149.9E	14.3N	147.7E	284-0168	14.5N	145.9E	270-0090	14.4N	144.2E	233-0252
18	211100Z	14.2N	149.8E	13.5N	149.9E	14.2N	149.8E	300-0150	14.5N	148.5E	295-0126	-	-	--------
19	211700Z	12.9N	148.9E	12.8N	148.7E	12.3N	142.5E	308-0198	12.0N	137.0E	311-0186	12.0N	132.0E	326-0372
20	212300Z	13.4N	146.4E	13.3N	146.7E	13.5N	140.5E	345-0096	12.9N	135.4E	305-0258	-	-	--------

AVERAGE 24 HOUR ERROR - 0091 MI.
AVERAGE 48 HOUR ERROR - 0140 MI.
AVERAGE 72 HOUR ERROR - 0220 MI.