TYPHOON BESS - 270600Z SEPTEMBER TO 041200Z OCTOBER

I. DATA

A. Statistics

1. Number of warnings issued - 30
2. Number of warnings with typhoon intensity - 29
3. Total distance traveled during tropical warning period - 1775 mi

B. Characteristics as a typhoon

1. Minimum observed SLP - 901mbs at 300300Z
2. Minimum observed 700mb height - 2265m. at 302100Z
3. Maximum surface wind - 150 kts (From Best Track)
4. Maximum radius of surface circulation - 850 mi

II. DEVELOPMENT

A. Initial impetus - Moderate easterly wave intensified under the southwesterly quadrant of an upper level anticyclone. Surge in Southern Hemisphere trades in the low levels intensified low.

B. Initial surface vortex

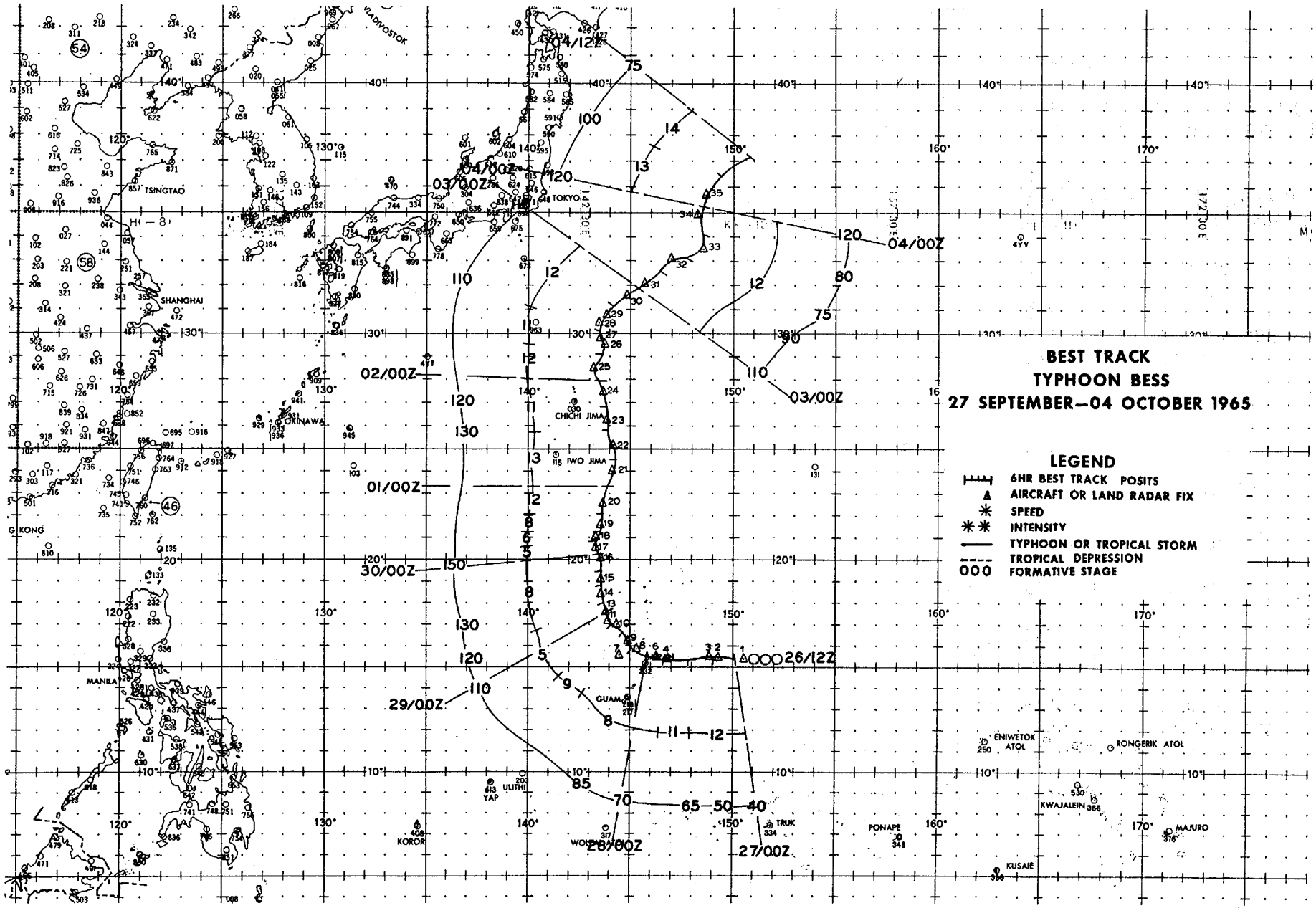
1. Imbedded vortex at 261200Z
2. Surface pressure less than 1008mbs

C. 200mb flow above surface vortex

1. Initial - southeasterly
2. Upon reaching typhoon intensity - east-northeasterly

III. FINAL DISPOSITION

A. Became extratropical


BEST TRACK
TYPHOON BESS
27 SEPTEMBER–04 OCTOBER 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
GUAM
MANILA
YAP
ULITHI
KOROR
TRUK
PONAPE
ENIWETOK ATOL
RONGERIK ATOL
KWAJALEIN
MAJURO
KUSAIE
04/12Z
04/00Z
03/00Z
02/00Z
01/00Z
30/00Z
29/00Z
28/00Z
27/00Z
26/12Z

EYE FIXES TYPHOON BESS

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	262250Z	15.3N 150.5E	707 Jet	31000ft	--	--	---	---	--/--	EYE 40 MI DIA. CURVED FDR BNDS. FIX MADE BY WORLD AIRWAYS 707 JET
2	270340Z	15.4N 149.3E	54-P-P5	1500ft	--	40	995	---	25/--	EYE CIRC 30 MI DIA. FDR BNDS ALL QUADS
3	270800Z	15.5N 148.8E	54-P-P7	700mb	40	70	995	3060	15/--	EYE CIRC 25 MI DIA
4	271500Z	15.3N 146.8E	54-P-P2	700mb	30	--	994	3042	19/--	EYE CIRC 40 MI DIA
5	271714Z	15.4N 146.5E	54-R-P5	700mb	--	--	---	---	--/--	EYE CIRC 25 MI DIA
6	272015Z	15.4N 146.3E	54-R-P3	700mb	41	65	989	3011	16/--	EYE OVAL 30 X 20 N-S
7	280128Z	15.5N 144.5E	TIROS	--	--	--	---	---	--/--	STAGE X, DIA 5, BNDS 2
8	280300Z	15.8N 145.3E	54-P-P1	700mb	48	95	966	2871	14/--	EYE CIRC 10 MI DIA. CNTR APPRS IN CONSTANT CHANGE
9	280825Z	16.2N 144.9E	VW1-P-P2	947mb	40	65	978	---	26/21	EYE CIRC 17 MI DIA
10	281433Z	17.0N 144.3E	VW1-P-P3	702mb	40	--	---	2877	17/11	EYE CIRC 23 MI DIA. RDR EYE 220 DEG 8 MI FM PRES TEMP EYE
11	282125Z	17.2N 143.9E	54-P-P5	850mb	75	130	---	---	--/--	SFC EYE CIRC 10 MI DIA. WALL CLD INNER DIA 20 MI
12	282210Z	17.3N 143.8E	54-P-P5	700mb	75	130	968	2838	18/--	EYE CIRC 8 MI DIA

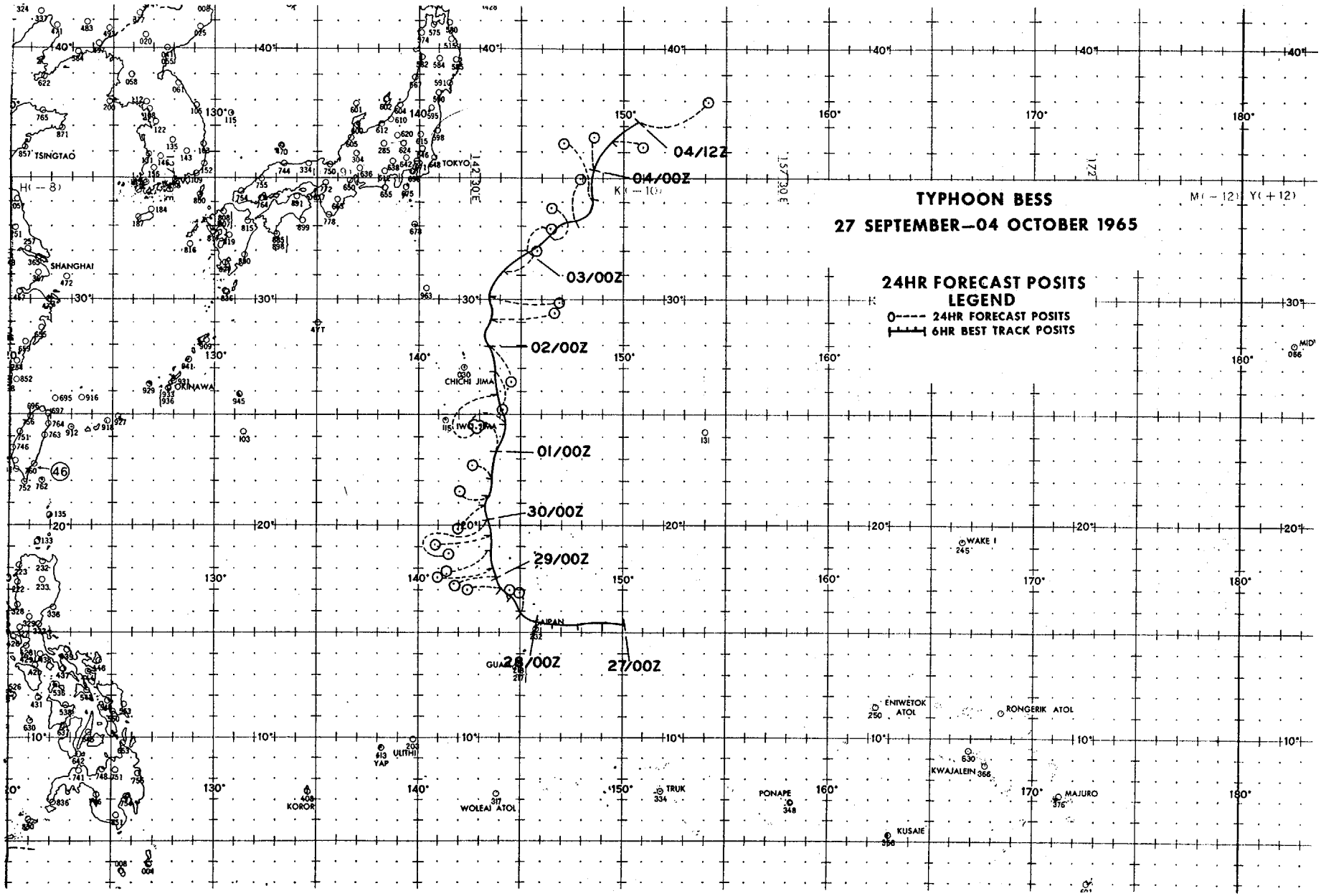
FIX NO.	TIME	POSIT	UNIT-METHOD-ACCY	FLT LVL	FLT LVL WND	OBS SFC WND	OBS MIN SLP	MIN 700MB HGT	FLT LVL TT/TD	REMARKS
13	290252Z	17.6N 143.8E	54-P-P5	700mb	75	85	967	2792	15/--	EYE CIRC 8 MI DIA
14	290830Z	18.4N 143.6E	VW1-R-P3	897mb	--	--	---	---	--/--	EYE CIRC 8 MI DIA
15	291440Z	19.1N 143.5E	VW1-R-P5	700mb	--	--	---	---	--/--	EYE CIRC 12 MI DIA
16	292125Z	20.1N 143.6E	54-P-P1	700mb	--	--	932	2506	17/--	EYE CIRC 15 MI DIA
17	300300Z	20.6N 143.3E	54-P-P1	700mb	130	--	901	2295	24/--	EYE CIRC 20 MI DIA
18	300830Z	21.0N 143.3E	VW1-R-P5	935mb	--	--	---	---	--/--	EYE CIRC 18 MI DIA
19	301430Z	21.6N 143.5E	VW1-R-P5	680mb	--	--	---	---	--/--	EYE CIRC 20 MI DIA
20	302100Z	22.6N 143.7E	54-P-P2	700mb	100	150	906	2265	23/--	EYE CIRC 20 MI DIA. SKY CLR ABOVE EYE
21	010330Z	24.0N 144.1E	54-P-PØ	700mb	73	150	924	2426	18/--	EYE CIRC 17 MI DIA
22	010900Z	25.2N 144.2E	VW1-R-P5	938mb	--	--	---	---	--/--	EYE CIRC 18 MI DIA
23	011440Z	26.3N 143.8E	VW1-R-P3	700mb	--	--	---	---	--/--	EYE CIRC 17 MI DIA
24	012110Z	27.5N 143.7E	54-P-P5	700mb	85	100	936	2560	22/--	EYE CIRC 20 MI DIA
25	020300Z	28.5N 143.2E	54-P-P4	700mb	85	150	943	---	21/--	EYE APPRS TO BE FILLING
26	020845Z	29.6N 143.8E	VW1-R-P2	700mb	--	--	---	---	--/--	EYE CIRC 13 MI DIA
27	021100Z	29.8N 143.6E	VW1-R-U	--	--	--	---	---	--/--	
28	021300Z	30.4N 143.5E	VW1-R-U	--	--	--	---	---	--/--	
29	021445Z	30.7N 143.8E	VW1-R-P2	700mb	--	--	---	---	--/--	EYE CIRC 10 MI DIA
30	022130Z	31.6N 144.8E	54-P-P4	700mb	60	150	962	2746	16/--	EYE CIRC 5 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
31	030247Z	32.1N 145.7E	54-P-P2	700mb	55	110	972	2777	21/--	CNTR CIRC 4 MI DIA. NEG WALL CLDS
32	030915Z	33.1N 147.0E	VW1-P-P10	700mb	--	70	---	2816	16/15	EYE CIRC 9 MI DIA. POOR RDR EYE
33	031230Z	33.5N 148.6E	VW1-P-F10	700mb	--	--	---	2834	16/08	
34	032158Z	34.9N 148.3E	54-P-P5	700mb	55	75	969	2841	18/--	NO APPARENT EYE
35	040215Z	35.7N 148.7E	54-P-P5	700mb	70	140	969	2844	18/--	NEG EYE OR FDR BNDS

TYPHOON BESS 27 SEPT-04 OCT 1965
POSITION AND FORECAST VERIFICATION DATA

DTG	STORM POSITION LAT.	LONG.	24 HOUR ERROR DEG. DISTANCE	48 HOUR ERROR DEG. DISTANCE
270000Z	15.3N	150.2E	------	------
270600Z	15.4N	149.0E	------	------
271200Z	15.4N	147.8E	------	------
271800Z	15.4N	146.6E	------	------
280000Z	15.5N	145.8E	------	------
280600Z	15.9N	145.0E	357-58	------
281200Z	16.6N	144.6E	346-28	------
281800Z	17.0N	144.1E	270-97	------
290000Z	17.5N	143.8E	266-114	------
290600Z	18.0N	143.7E	260-153	274-143
291200Z	18.8N	143.6E	242-142	262-165
291800Z	19.5N	143.6E	260-155	264-329
300000Z	20.3N	143.4E	227-146	254-311
300600Z	20.8N	143.3E	230-92	255-348
301200Z	21.3N	143.5E	276-77	246-297
301800Z	22.1N	143.6E	304-62	258-304
010000Z	23.3N	143.9E	326-91	231-314
010600Z	24.5N	144.3E	271-87	231-275
011200Z	25.8N	143.9E	218-101	232-201
011800Z	26.8N	143.8E	168-100	227-106
020000Z	27.9N	143.4E	145-110	043-133
020600Z	29.1N	143.5E	083-172	075-84
021200Z	30.1N	143.5E	95-178	154-110
021800Z	31.2N	144.2E	058-97	128-140
030000Z	31.9N	145.3E	042-80	94-122
030600Z	32.6N	146.4E	004-65	58-418
031200Z	33.2N	147.7E	007-94	63-253
031800Z	34.2N	148.4E	335-145	44-360
040000Z	35.3N	148.5E	004-77	51-368
040600Z	36.4N	149.5E	98-77	55-330
041200Z	37.2N	150.8E	74-170	59-510

AVERAGE 24 HOUR ERROR 106 MI
AVERAGE 48 HOUR ERROR 256 MI


TYPHOON BESS
27 SEPTEMBER—04 OCTOBER 1965
24HR FORECAST POSITS
LEGEND
0---- 24HR FORECAST POSITS
6HR BEST TRACK POSITS
04/12Z
04/00Z
03/00Z
02/00Z
01/00Z
30/00Z
29/00Z
28/00Z
27/00Z
TSINGTAO
SHANGHAI
TOKYO
OKINAWA
CHICHI JIMA
IWO JIMA
SAIPAN
GUAM
YAP
ULITHI
KOROR
WOLEAI ATOL
TRUK
PONAPE
KUSAIE
ENIWETOK ATOL
RONGERIK ATOL
KWAJALEIN
MAJURO
WAKE I
H(-8)
K(-10)
M(-12)
Y(+12)
142°30'E
157°30'E
172°