TYPHOON PHYLLIS - 120600Z to 140000Z DECEMBER

I. DATA

A. Statistics

1. Calendar days of tropical warning - 2
2. Calendar days of typhoon intensity - 1¼
3. Total distance traveled during tropical warning period - 486 mi.

B. Characteristics as a typhoon

1. Minimum observed SLP - 986mb, 122245Z
2. Minimum observed 700mb height - 2940m, 122245Z
3. Max radius of SFC circulation - 210 mi
4. Max surface winds - 75 kts

II. DEVELOPMENT

A. Initial impetus - Juxtaposition of long wave trough with subsequent fracture. Outdraft at 200mb level moved over surface vortex.

B. Initial surface vortex

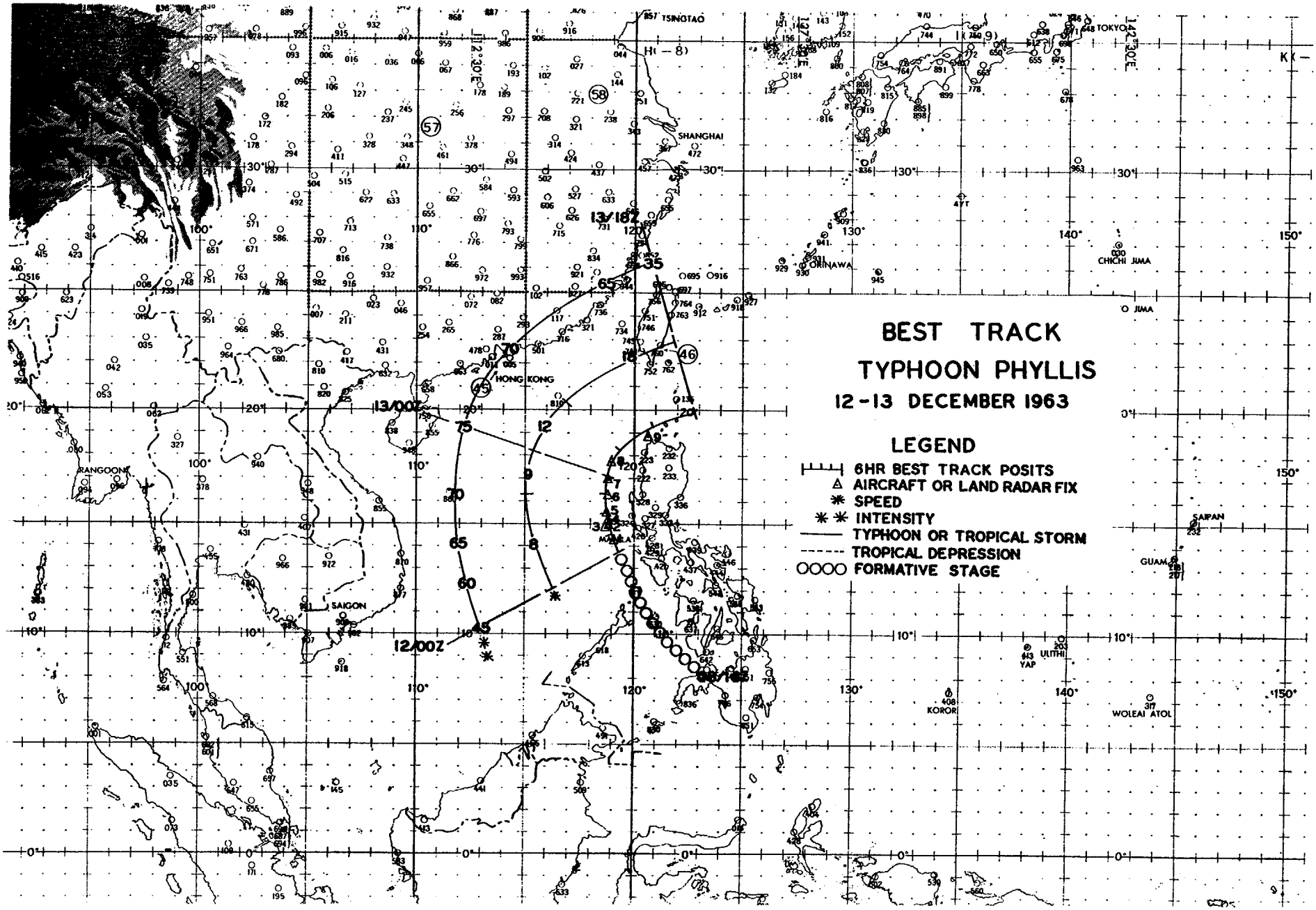
1. Junction vortex at 081800Z
2. Surface pressure less than 1010mb

C. Zenith flow at 200mb

1. Relative position surface vortex - Center of outdraft.
2. Wind direction over vortex - variable

III. FINAL DISPOSITION

A. Dissipated over water.


BEST TRACK
TYPHOON PHYLLIS
12-13 DECEMBER 1963
LEGEND
6HR BEST TRACK POSITS
AIRCRAFT OR LAND RADAR FIX
SPEED
INTENSITY
TYPHOON OR TROPICAL STORM
TROPICAL DEPRESSION
FORMATIVE STAGE
TSINGTAO
SHANGHAI
HONG KONG
TOKYO
OKINAWA
CHICHI JIMA
JIMA
RANGOON
SAIGON
MANILA
SAIPAN
GUAM
YAP
ULITHI
KOROR
WOLEAI ATOL
13/00Z
12/00Z
13/18Z

## LAND RADAR AND AIRCRAFT FIXES - TYPHOON PHYLLIS

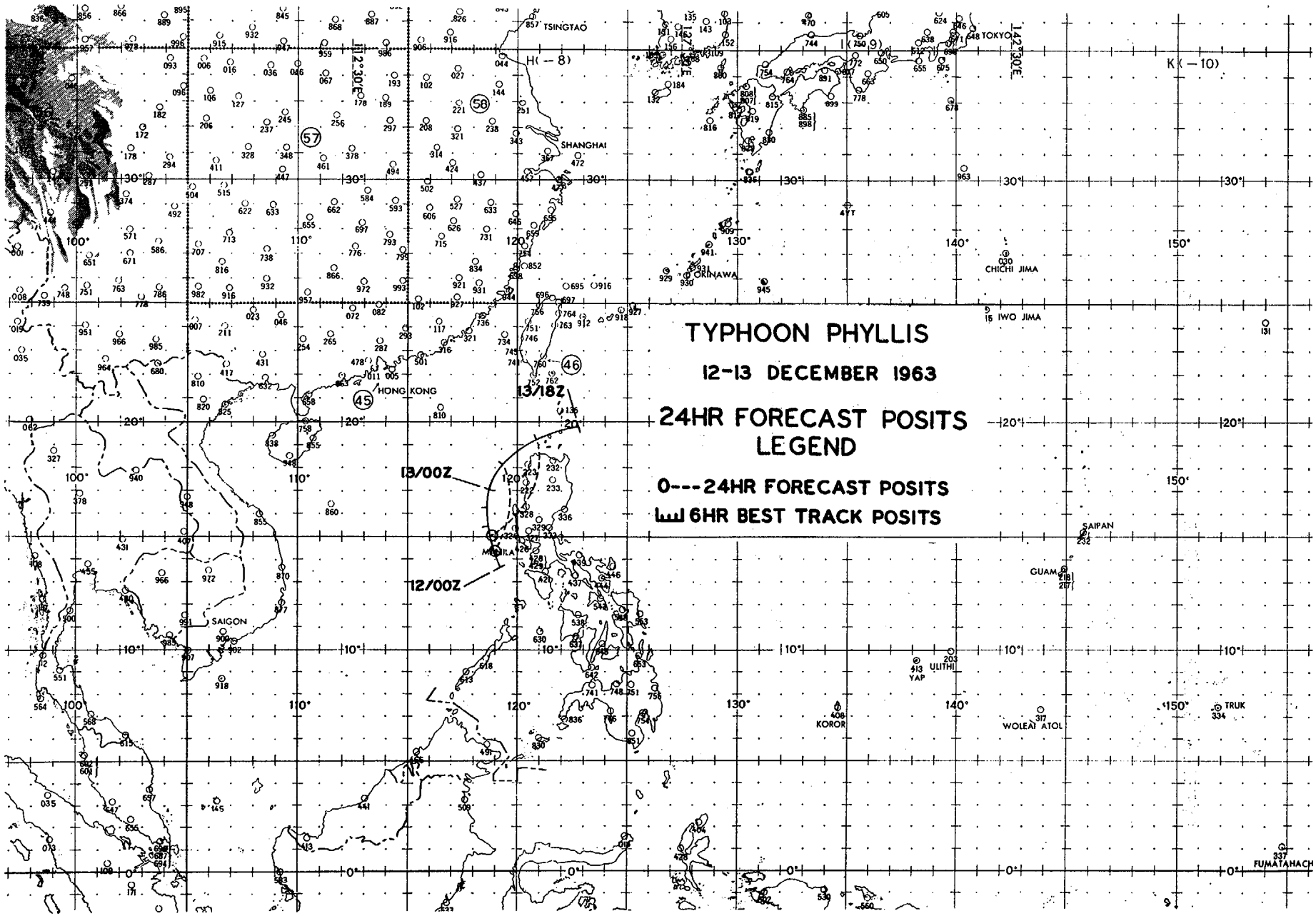
| FIX NO/TIME | | LAT. | LONG. | UNIT METHOD & ACCY | MAX SFC WND | MAX 700MB WND | MIN 700MB HGT | RECON MIN SLP MBS | JTWC MIN SLP *MBS | 700MB T/Td (°C) | EYE CHARACTERISTICS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 120315Z | 14.2N | 119.2E | SHP/RDR | - | - | - | - | - | - - | 80 MI DIA |
| 2 | 120640Z | 15.0N | 118.9E | SHP/RDR | - | - | - | - | - | - - | --- |
| 3 | 120815Z | 14.9N | 118.8E | LND/RDR | - | - | - | - | - | - - | --- |
| 4 | 121000Z | 15.1N | 118.8E | LND/RDR | - | - | - | - | - | - - | --- |
| 5 | 121500Z | 15.4N | 118.7E | SHP/RDR | - | - | - | - | - | - - | --- |
| 6 | 121805Z | 16.3N | 118.9E | LND/RDR | - | - | - | - | - | - - | --- |
| 7 | 122245Z | 16.8N | 118.9E | VW1-P-02 | 75 | - | 2940 | 992 | 986 | 15/09 | 30 MI DIA,OPEN E-N,WALL CLD 5-10 MI THICK |
| 8 | 130400Z | 17.7N | 118.9E | 56-P-½ | 50 | 50 | 3060 | 996 | 998 | 13/09 | FLT LVL WND AT 500MB, CIRC 30 MI DIA,WALL CLD 15 MI THICK |
| 9 | 131045Z | 18.8N | 120.5E | LND/RDR | 75 | - | - | - | - | - - | --- |

*Computed

TYPHOON PHYLLIS 12 DEC-14 DEC 1963
POSITION AND FORECAST VERIFICATION DATA

| DTG | STORM POSITION LAT. | LONG. | 24 HOUR ERROR DEG. | DISTANCE | 48 HOUR ERROR DEG. | DISTANCE |
|---|---|---|---|---|---|---|
| 120000Z | 13.8N | 119.3E | ------ | | ------ | |
| 120600Z | 14.6N | 119.0E | ------ | | ------ | |
| 121200Z | 15.4N | 118.8E | ------ | | ------ | |
| 121800Z | 16.2N | 118.8E | ------ | | ------ | |
| 130000Z | 17.0N | 118.8E | ------ | | ------ | |
| 130600Z | 18.1N | 119.3E | 184-219 | | ------ | |
| 131200Z | 19.1N | 120.9E | 206-264 | | ------ | |
| 131800Z | 19.8N | 122.7E | ------ | | ------ | |

AVERAGE 24 HOUR ERROR 242 MI


TYPHOON PHYLLIS
12-13 DECEMBER 1963
24HR FORECAST POSITS
LEGEND
0---24HR FORECAST POSITS
6HR BEST TRACK POSITS
13/18Z
13/00Z
12/00Z
TSINGTAO
SHANGHAI
HONG KONG
MANILA
SAIGON
OKINAWA
TOKYO
CHICHI JIMA
IWO JIMA
SAIPAN
GUAM
YAP
ULITHI
KOROR
WOLEAI ATOL
TRUK
FUMATAHACH
H(-8)
I(-9)
K(-10)
142°30'E
112°30'E