TROPICAL CYCLONE 35 - 10/12/0600Z TO 10/20/0000Z

I. DATA

A. STATISTICS

1. NUMBER OF WARNINGS ISSUED - 32
2. NUMBER OF WARNINGS WITH TYPHOON INTENSITY - 20
3. TOTAL DISTANCE TRAVELED DURING TROPICAL WARNING PERIOD - 2046 MI

B. CHARACTERISTICS AS A TYPHOON

1. MINIMUM OBSERVED SLP - 901MBS AT 142138Z
2. MINIMUM OBSERVED 700MB HEIGHT - 2170M. AT 142138Z
3. MAXIMUM SURFACE WIND - 160 KTS (FROM BEST TRACK)
4. MAXIMUM RADIUS OF SURFACE CIRCULATION - 675 MI

II. DEVELOPMENT

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

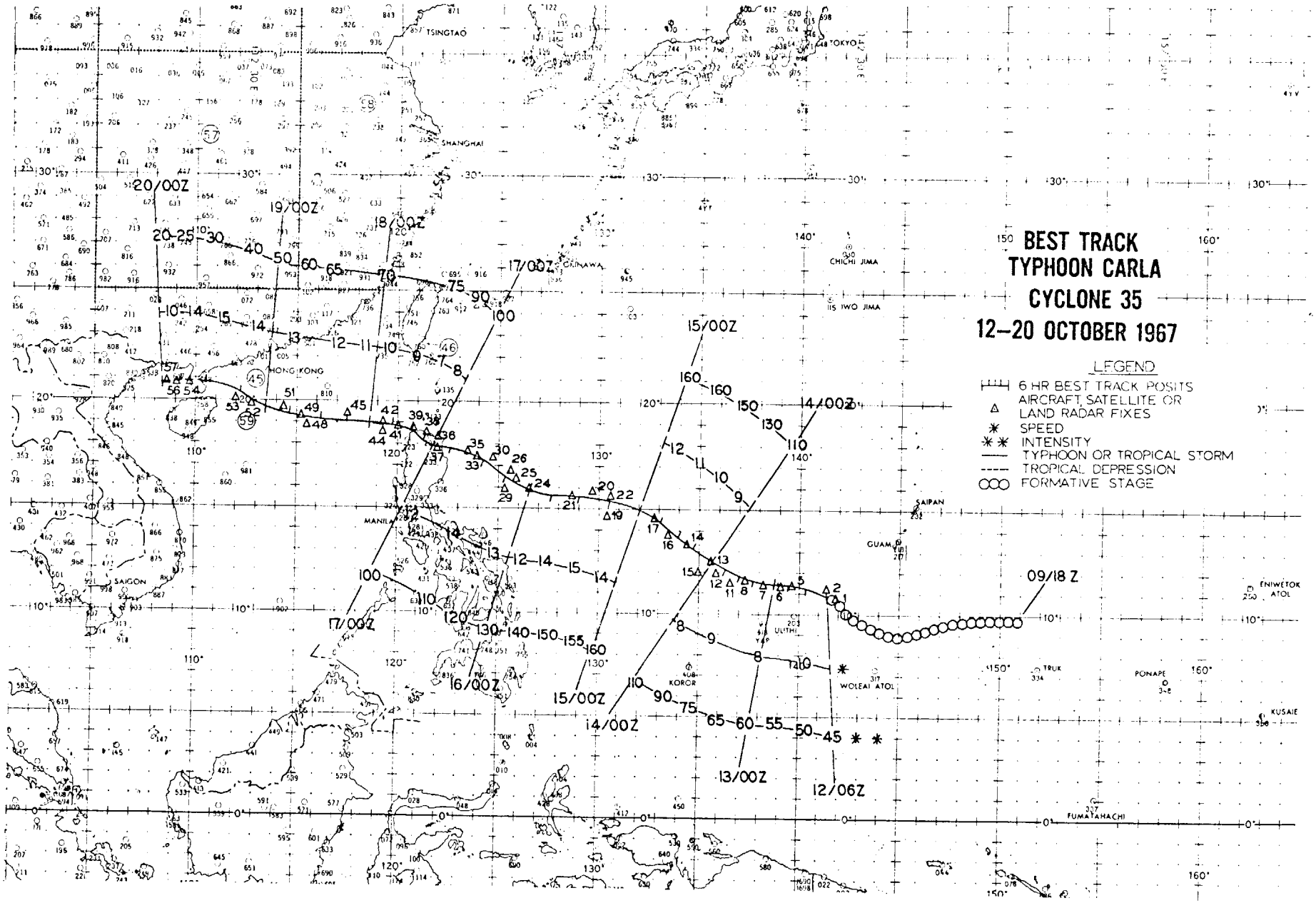
B. INITIAL SURFACE VORTEX

1. JUNCTION VORTEX AT 091800Z
2. SURFACE PRESSURE LESS THAN 1006MB

C. 200MB FLOW ABOVE SURFACE VORTEX

1. INITIAL - SOUTHEAST
2. UPON REACHING TYPHOON INTENSITY - EAST

III. FINAL DISPOSITION - DISSIPATED OVER WATER


BEST TRACK
TYPHOON CARLA
CYCLONE 35
12–20 OCTOBER 1967
LEGEND
6 HR BEST TRACK POSITS
AIRCRAFT, SATELLITE OR LAND RADAR FIXES
SPEED
INTENSITY
TYPHOON OR TROPICAL STORM
TROPICAL DEPRESSION
FORMATIVE STAGE
TSINGTAO
TOKYO
SHANGHAI
OKINAWA
CHICHI JIMA
IWO JIMA
HONG KONG
MANILA
SAIGON
SAIPAN
GUAM
ULITHI
KOROR
WOLEAI ATOL
TRUK
PONAPE
ENIWETOK ATOL
KUSAIE
FUMATAHACHI
20/00Z
19/00Z
18/00Z
17/00Z
16/00Z
15/00Z
14/00Z
13/00Z
12/06Z
09/18 Z

EYE FIXES CYCLONE 35

| FIX NO. | TIME | POSIT | UNIT-METHOD -ACCY | FLT LVL | FLT LVL WND | OBS SFC WND | OBS MIN SLP | MIN 700MB HGT | FLT LVL T/TD | EYE FORM | ORIEN-TATION | EYE DIA | THKNS WALL CLOUD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 120400Z | 10.6N 141.7E | 54-P-P03 | 0400M | 036 | 040 | 993 | --- | --/-- | ---- | | | -- |
| 2 | 120410Z | 10.5N 141.5E | SLTLS | STG X | DIA 05 BNDS 1 | | | | | | | | |
| 3 | 120745Z | 11.1N 141.3E | VW-R-P15 | 0410M | --- | --- | --- | --- | --/-- | CIRC | ---- | 17 | -- |
| 4 | 120903Z | 11.0N 141.2E | VW-P-P05 | 0300M | 045 | 040 | 993 | 3033 | 12/05 | CIRC | ---- | 20 | 09 |
| 5 | 121536Z | 11.3N 139.7E | VW-P-P05 | 700MB | --- | --- | 991 | 3022 | 15/-- | CIRC | ---- | 15 | -- |
| 6 | 122114Z | 11.3N 139.1E | 54-P-P02 | 700MB | 045 | 040 | 989 | 2989 | 13/-- | CIRC | ---- | 20 | -- |
| 7 | 130306Z | 11.5N 138.0E | SLTLS | STG X | DIA 02 BNDS 3 | | | | | | | | |
| 8 | 130405Z | 11.3N 138.2E | 54-P-P02 | 0310M | 045 | 045 | 981 | --- | --/-- | CIRC | ---- | 10 | -- |
| 9 | 130900Z | 11.5N 137.3E | VW-R-F-- | 0340M | --- | --- | --- | --- | --/-- | ---- | | | -- |
| 10 | 131000Z | 11.5N 137.3E | VW-P-P05 | 700MB | 040 | --- | 979 | 2901 | 14/12 | CIRC | ---- | 25 | -- |
| 11 | 131532Z | 11.8N 136.6E | VW-P-P05 | 700MB | 045 | --- | 979 | 2895 | 13/-- | CIRC | ---- | 20 | 05 |
| 12 | 132148Z | 11.9N 135.9E | 54-P-P02 | 700MB | 060 | 060 | 963 | 2774 | 15/-- | CIRC | ---- | 15 | -- |
| 13 | 140344Z | 12.6N 135.5E | 54-P-P02 | 700MB | 065 | 100 | 938 | 2573 | 19/-- | CIRC | ---- | 10 | 10 |
| 14 | 140356Z | 12.0N 135.0E | SLTLS | STG X | DIA 03 BNDS 2 | | | | | | | | |
| 15 | 140930Z | 13.3N 134.4E | VW-R-P10 | 0270M | 055 | 040 | --- | --- | --/-- | CIRC | ---- | 08 | 05 |
| 16 | 141520Z | 13.8N 133.4E | VW-R-P10 | 700MB | 100 | --- | --- | --- | --/-- | CIRC | ---- | 20 | 05 |
| 17 | 141815Z | 14.3N 132.8E | ACFT RDR | 500MB | --- | --- | --- | --- | --/-- | ---- | | | -- |
| 18 | 142138Z | 14.2N 132.3E | 54-P-P02 | 700MB | 125 | 110 | 901 | 3170 | 20/13 | CIRC | ---- | 02 | -- |
| 19 | 150347Z | 14.7N 130.4E | 54-P-P02 | 700MB | 100 | 120 | 908 | 2283 | 19/12 | CONC | | 15-05 | -- |
| 20 | 150447Z | 15.5N 130.5E | SLTLS | STG X | DIA 05 BNDS 3 | | | | | | | | |
| 21 | 150900Z | 15.8N 129.7E | VW-R-P10 | 0310M | --- | --- | --- | --- | --/-- | ---- | | | -- |
| 22 | 151015Z | 15.5N 128.8E | VW-R-P10 | 700MB | --- | 050 | --- | --- | --/-- | CONC | | 23-03 | 09 |
| 23 | 151528Z | 15.8N 128.2E | VW-R-P02 | 700MB | --- | --- | --- | --- | --/-- | ELIP | NW-SE | 08X04 | 05 |
| 24 | 152232Z | 15.9N 127.1E | SLTLS | STG - | DIA -- BNDS - | | | | | | | | |

EYE FIXES CYCLONE 35

| 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 | 160038Z | 15.9N 126.5E | 54-P-P03 | 700MB | 090 | 100 | 944 | 2594 | 17/-- | CONC | | 35-05 | -- |
| 26 | 160207Z | 16.3N 125.9E | 54-R-P-- | 500MB | 108 | --- | --- | --- | --/-- | ---- | | | -- |
| 27 | 160235Z | 15.7N 125.6E | LND RDR | | --- | --- | --- | --- | --/-- | ---- | | | -- |
| 28 | 160347Z | 16.0N 125.5E | SLTLS | STG X | DIA 04 | BNDS 4 | | | | | | | |
| 29 | 160400Z | 16.3N 125.6E | 54-P-P03 | 700MB | 095 | 070 | 935 | 2560 | 20/-- | CONC | | 60-20 | -- |
| 30 | 160510Z | 15.7N 125.3E | LND RDR | | --- | --- | --- | --- | --/-- | ---- | | | -- |
| 31 | 160830Z | 17.0N 124.9E | ACFT RDR | | --- | --- | --- | --- | --/-- | ---- | | | -- |
| 32 | 160904Z | 17.2N 124.8E | VW-UNK-- | | --- | --- | --- | --- | --/-- | ---- | | | -- |
| 33 | 161015Z | 17.3N 124.2E | VW-P-P01 | 700MB | 100 | 095 | --- | 2667 | 18/-- | CIRC | ---- | 40 | 15 |
| 34 | 161215Z | 17.4N 124.0E | VW-R-P-- | 700MB | 095 | --- | --- | 2595 | --/-- | ---- | | | -- |
| 35 | 161600Z | 17.7N 123.5E | VW-P-P02 | 700MB | 080 | --- | --- | 2607 | 20/-- | CIRC | ---- | 40 | -- |
| 36 | 162125Z | 18.1N 122.0E | LND RDR | | --- | --- | --- | --- | --/-- | ---- | | | -- |
| 37 | 162144Z | 17.8N 122.0E | 54-P-P03 | 500MB | 065 | 050 | --- | --- | --/-- | CIRC | ---- | 25 | -- |
| 38 | 170400Z | 18.1N 121.3E | 54-P-P10 | 500MB | 080 | 100 | --- | --- | --/-- | CIRC | ---- | 20 | -- |
| 39 | 170945Z | 18.5N 120.8E | VW-R-P03 | 0300M | 070 | 080 | --- | --- | --/-- | ---- | | | -- |
| 40 | 171200Z | 18.8N 120.7E | VW-R-P03 | 700MB | 050 | --- | --- | 2957 | --/-- | CIRC | ---- | 18 | -- |
| 41 | 171527Z | 18.8N 120.0E | VW-P-P05 | 700MB | --- | --- | 978 | 2908 | 16/-- | ---- | | | -- |
| 42 | 172045Z | 19.0N 119.2E | VW-P-P05 | 0310M | 050 | 045 | 979 | --- | --/-- | CIRC | ---- | 80 | -- |
| 43 | 180001Z | 18.7N 118.5E | VW-P-P05 | 0400M | 085 | 070 | 982 | --- | --/-- | CIRC | ---- | 80 | -- |
| 44 | 180300Z | 18.6N 118.1E | 54-P-P03 | 700MB | 060 | 060 | 979 | 2917 | 14/-- | CIRC | ---- | 40 | -- |
| 45 | 180527Z | 19.0N 117.5E | SLTLS | STG C | DIA -- | BNDS - | | | | | | | |
| 46 | 180646Z | 19.3N 117.6E | 54-P-P-- | 700MB | 030 | 040 | --- | 2923 | 13/-- | ---- | | | -- |
| 47 | 180940Z | 19.5N 117.1E | 54-P-P08 | 700MB | 072 | --- | 983 | 2938 | 12/-- | CIRC | ---- | 15 | -- |
| 48 | 181500Z | 18.9N 115.5E | VW-P-P05 | 700MB | --- | 060 | 982 | 2990 | --/-- | CIRC | ---- | 10 | -- |

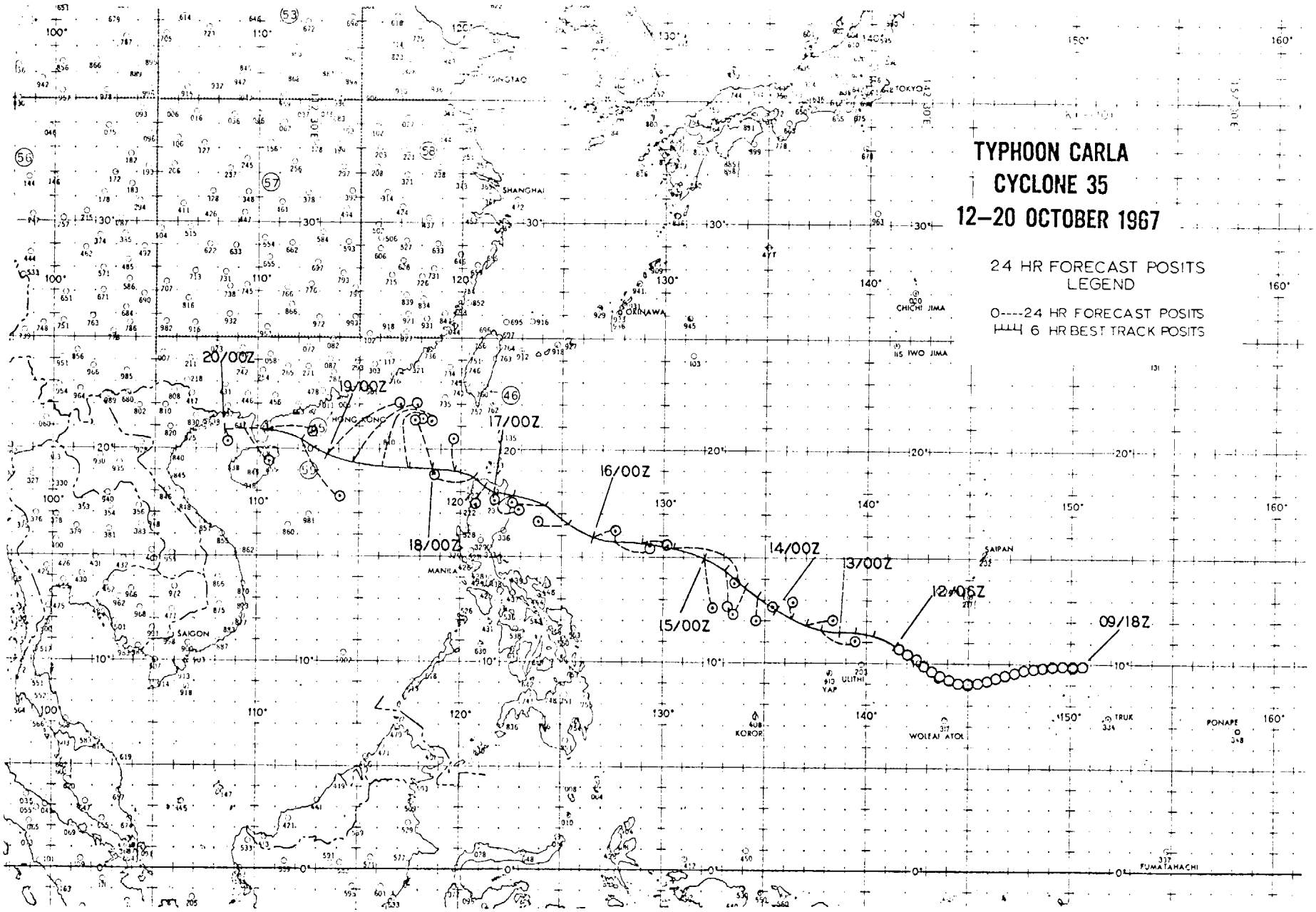
EYE FIXES CYCLONE 35

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 49 | 181640Z | 19.2N 115.1E | VW-R-P02 | 700MB | --- | --- | --- | --- | --/-- | ---- | | | -- |
| 50 | 181807Z | 19.3N 115.0E | VW-R-P-- | 700MB | --- | --- | --- | --- | --/-- | ---- | | | -- |
| 51 | 182030Z | 19.6N 114.3E | VW-P-P03 | 700MB | 060 | --- | 986 | 2981 | 16/-- | CIRC | ---- | 10 | -- |
| 52 | 190301Z | 19.8N 112.7E | S4-P-F03 | 700MB | 070 | 040 | 984 | 2960 | 15/-- | ELIP | NE-SW | 30X20 | -- |
| 53 | 190423Z | 20.0N 112.0E | SLTLS | STG X | DIA 03 | BNDS 3 | | | | | | | |
| 54 | 191330Z | 20.7N 109.9E | VW-R-P05 | 1420M | --- | --- | --- | --- | --/-- | CIRC | ---- | 05 | -- |
| 55 | 191600Z | 20.9N 109.5E | VW-R-P05 | 1420M | --- | --- | --- | --- | --/-- | ---- | | | -- |
| 56 | 191900Z | 20.7N 109.0E | VW-R-P05 | 1390M | --- | --- | --- | --- | --/-- | ---- | | | -- |
| 57 | 192100Z | 20.7N 108.9E | VW-R-F05 | | --- | --- | --- | --- | --/-- | ---- | | | -- |

TROPICAL CYCLONE 35 -- 10/12/0600Z TO 10/20/0000Z
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. |
|---|---|---|---|---|---|
| 120600Z | 10.9N | 141.3E | -------- | -------- | -------- |
| 121200Z | 11.2N | 140.3E | -------- | -------- | -------- |
| 121800Z | 11.3N | 139.4E | -------- | -------- | -------- |
| 130000Z | 11.2N | 138.7E | -------- | -------- | -------- |
| 130600Z | 11.3N | 137.8E | 098-0078 | -------- | -------- |
| 131200Z | 11.7N | 137.0E | 080-0066 | -------- | -------- |
| 131800Z | 12.0N | 136.2E | 010-0036 | -------- | -------- |
| 140000Z | 12.4N | 135.6E | 333-0012 | -------- | -------- |
| 140600Z | 13.0N | 134.8E | 200-0066 | -------- | -------- |
| 141200Z | 13.5N | 134.0E | 204-0090 | 113-0090 | -------- |
| 141800Z | 14.1N | 133.0E | 176-0108 | 158-0030 | -------- |
| 150000Z | 14.6N | 131.8E | 167-0132 | 153-0048 | -------- |
| 150600Z | 15.3N | 130.5E | 122-0174 | 177-0168 | -------- |
| 151200Z | 15.6N | 129.0E | 107-0078 | 168-0174 | -------- |
| 151800Z | 15.6N | 127.8E | 094-0072 | 146-0192 | 106-0150 |
| 160000Z | 15.8N | 126.6E | 080-0066 | 137-0228 | -------- |
| 160600Z | 16.5N | 125.3E | 270-0078 | 109-0336 | 154-0216 |
| 161200Z | 17.3N | 124.1E | 273-0090 | 109-0180 | -------- |
| 161800Z | 17.8N | 122.7E | 158-0030 | 109-0192 | 143-0330 |
| 170000Z | 17.9N | 121.7E | 180-0018 | 110-0102 | -------- |
| 170600Z | 18.2N | 121.2E | 201-0048 | 270-0108 | 110-0450 |
| 171200Z | 18.7N | 120.6E | 276-0108 | 266-0168 | -------- |
| 171800Z | 18.9N | 119.6E | 000-0084 | 251-0084 | 116-0144 |
| 180000Z | 18.9N | 118.6E | 342-0138 | 261-0108 | -------- |
| 180600Z | 19.0N | 117.4E | 016-0132 | 240-0066 | 274-0168 |
| 181200Z | 19.1N | 116.1E | 047-0180 | 313-0126 | -------- |
| 181800Z | 19.2N | 114.7E | 050-0228 | 025-0270 | 273-0090 |
| 190000Z | 19.6N | 113.4E | 056-0240 | 026-0324 | -------- |
| 190600Z | 20.3N | 112.1E | 145-0186 | 042-0360 | 193-0054 |

AVERAGE 24 HOUR ERROR - 0101 MI.
AVERAGE 48 HOUR ERROR - 0167 MI.
AVERAGE 72 HOUR ERROR - 0200 MI.


TYPHOON CARLA
CYCLONE 35
12–20 OCTOBER 1967
24 HR FORECAST POSITS
LEGEND
0----24 HR FORECAST POSITS
6 HR BEST TRACK POSITS
20/00Z
19/00Z
17/00Z
16/00Z
18/00Z
15/00Z
14/00Z
13/00Z
12/06Z
09/18Z
HONG KONG
MANILA
SAIGON
SHANGHAI
TSINGTAO
TOKYO
OKINAWA
CHICHI JIMA
IWO JIMA
SAIPAN
YAP
ULITHI
KOROR
WOLEAI ATOL
TRUK
PONAPE
FUMATAMACHI