

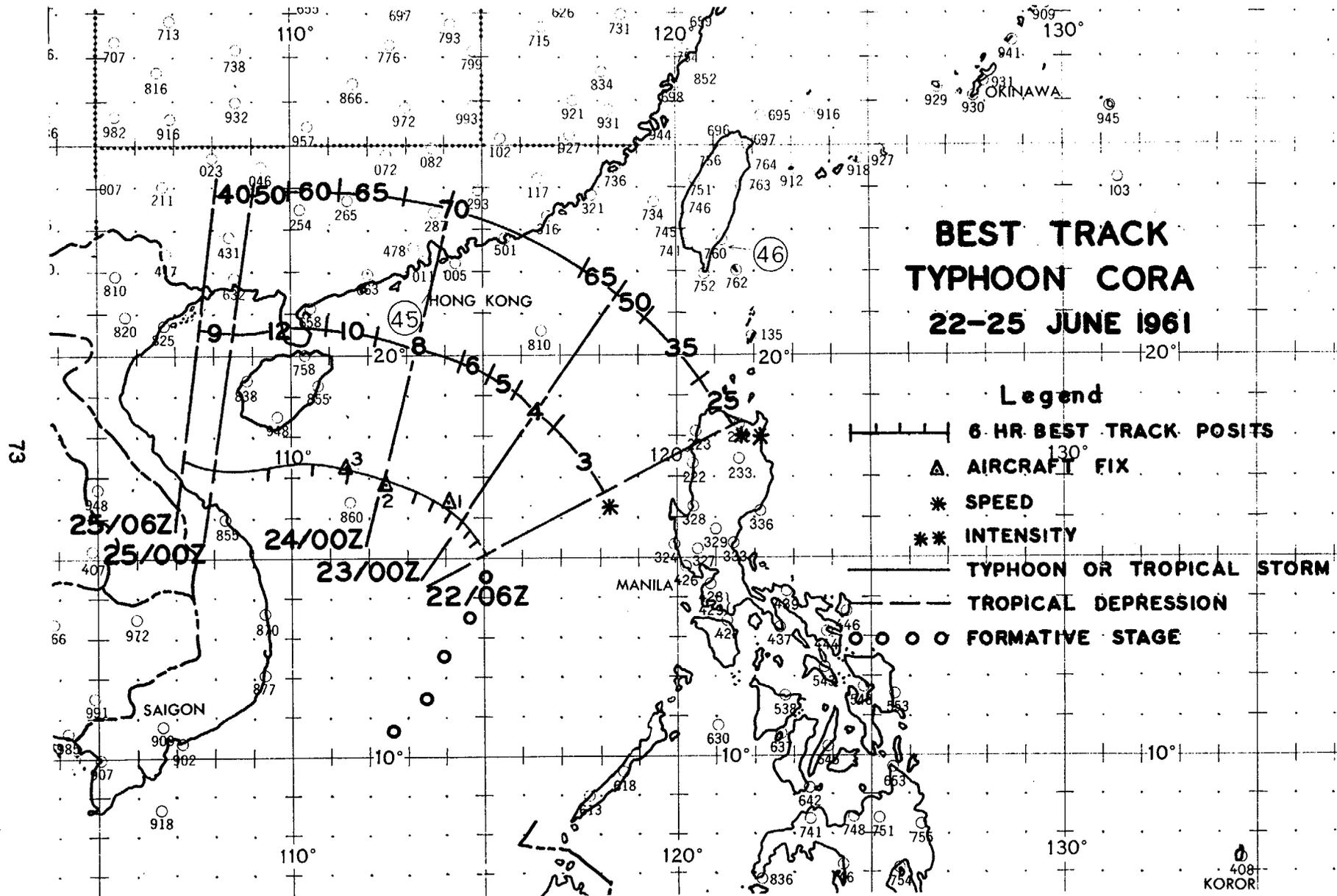
D. TYPHOON CORA (220600Z-250600Z JUNE 1961)

CORA DEVELOPED FROM THE WESTERNMOST OF A SERIES OF 1006 MB LOWS THAT FORMED A TROUGH FROM ABOUT 300 MI E OF SAIGON TO THE ISLAND OF MAJURO ON THE 190600Z SURFACE CHART. AT THIS TIME THE SURFACE PRESSURES ALONG THIS TROUGH BEGAN A SLOW DECREASE THAT RESULTED IN AN AVERAGE PRESSURE OF 1003 MB BY 220600Z, TIME OF THE FIRST WARNING AS A TROPICAL DEPRESSION TO BE LATER KNOWN AS TYPHOON CORA. THE CENTER PRESSURE OF CORA WAS APPROXIMATELY 995 MB AND THE SURFACE WINDS WERE 25 KTS AT THAT TIME.

THE 500 MB PATTERN AT TIME OF THE FIRST WARNING INDICATED THAT CORA EXISTED BETWEEN A WESTERLY FLOW NEAR THE EQUATOR AND AN ANTI-CYCLONE CENTERED NEAR 30N THAT SLOWLY MOVED S TO 27N DURING THE LIFE CYCLE OF CORA. MOVEMENT OF CORA NORTHWARD ACROSS THIS TROUGH ADDED AN EASTWARD COMPONENT TO THE NORTHERLY MOVEMENT OF THE LOW AT FIRST, AND LATER A WESTERLY COMPONENT THAT FINALLY BECAME THE PREDOMINANT DIRECTION OF MOVEMENT OF CORA AS IT INTENSIFIED TO TYPHOON STRENGTH AND MOVED TOWARD NORTH VIETNAM.

CORA WAS A WEAK TYPHOON WITH AN EYE VARYING FROM 40 TO 80 MI IN DIAMETER, AND HAD POORLY DEFINED WALL CLOUDS. THE FINAL WARNING WAS ISSUED WHEN CORA WAS 45 MI FROM THE POINT AT WHICH IT MOVED INLAND, 75 MI S OF VINH ALONG THE COAST OF VIETNAM.

CORA TRAVELED 500 MI DURING THE 3 DAYS THAT WARNINGS WERE ISSUED AT AN AVERAGE SPEED OF 6.9 KTS OR AT AN AVERAGE MOVEMENT OF 167 MI PER DAY. THE CYCLONE MOVED AT A MINIMUM SPEED OF 3 KTS BETWEEN 220600Z AND 221800Z; AT A MAXIMUM SPEED OF 12 KTS BETWEEN 241200Z AND 250000Z, AND HAD MAXIMUM SURFACE WIND SPEEDS OF 70 KTS BETWEEN 230600Z AND 240600Z. DAMAGE REPORTS WERE NOT RECEIVED BY JTWC, HOWEVER POSSIBLE DAMAGE COULD HAVE OCCURRED TO SHIPPING OR SMALL ISLANDS.



LAND RADAR AND AIRCRAFT FIXES - TYPHOON CORA

| FIX NO. | TIME | LAT. | LONG. | UNIT METHOD & ACCY | MAX SFC WND | MAX 700MB WND | MIN 700MB HGT | MIN SLP MBS | 700MB T/T _D (°C) | EYE CHARACTERISTICS |
|------------|---------|-------|--------|--------------------------|-------------------|---------------------|---------------------|-------------------|-----------------------------------|---|
| 1 | 230705Z | 16.3N | 114.1 | 56-P-05 | 80 | 42 | 9910 | 991 | 13/09 | POORLY DEFINED WALL CLD W QUAD CIRC DIA 40MI |
| 2 | 232355Z | 16.9N | 112.4E | 56-P-01 | 65 | 30 | 9830 | 989 | 14/09 | CIRC DIA 80MI POORLY DEFINED |
| 3 | 240315Z | 17.1N | 111.5E | 56-P-1/2 | 75 | 45 | 9800 | 987 | 15/08 | CIRC DIA 80MI WALL CLDS S & W QUADS OPEN E & N |

TYPHOON CORA 22-25 JUNE 1961
 POSITION AND FORECAST VERIFICATION DATA

| DTG | STORM POSITION | | 24 HR. ERROR | 48 HR. ERROR |
|-----------------------|----------------|--------|---------------|---------------|
| | LAT. | LONG. | DEG. DISTANCE | DEG. DISTANCE |
| 220600Z | 15.2N | 115.1E | ----- | ----- |
| 221200Z | 15.5N | 114.9E | ----- | ----- |
| 221800Z | 15.8N | 114.8E | ----- | ----- |
| 230000Z | 16.0N | 114.6E | ----- | ----- |
| 230600Z | 16.3N | 114.2E | ----- | ----- |
| 231200Z | 16.4N | 113.8E | ----- | ----- |
| 231800Z | 16.7N | 113.2E | ----- | ----- |
| 240000Z | 16.9N | 112.3E | ----- | ----- |
| 240600Z | 17.2N | 111.6E | 065-115 | ----- |
| 241200Z | 17.3N | 110.6E | 062-153 | ----- |
| 241800Z | 17.2N | 109.3E | 048-131 | ----- |
| 250000Z | 17.1N | 108.0E | 042-141 | ----- |
| 250600Z | 17.4N | 107.1E | 122-26 | 054-278 |
| AVERAGE 24 HOUR ERROR | | 113 MI | | |
| AVERAGE 48 HOUR ERROR | | 278 MI | | |

