TROPICAL CYCLONE 23 - 10/02/0500Z TO 10/09/1700Z
(FAYE)

I. DATA

A. STATISTICS
1. NUMBER OF WARNINGS ISSUED - 31
2. NUMBER OF WARNINGS WITH TYPHOON INTENSITY - 21
3. TOTAL DISTANCE TRAVELED DURING TROPICAL WARNING PERIOD - 1500 MI

B. CHARACTERISTICS AS A TYPHOON
1. MINIMUM OBSERVED SLP - 911MBS AT 050200Z
2. MINIMUM OBSERVED 700MB HEIGHT - 2298M. AT 050200Z
3. MAXIMUM SURFACE WIND - 145 KTS (FROM BEST TRACK)
4. MAXIMUM RADIUS OF SURFACE CIRCULATION - 600 MI

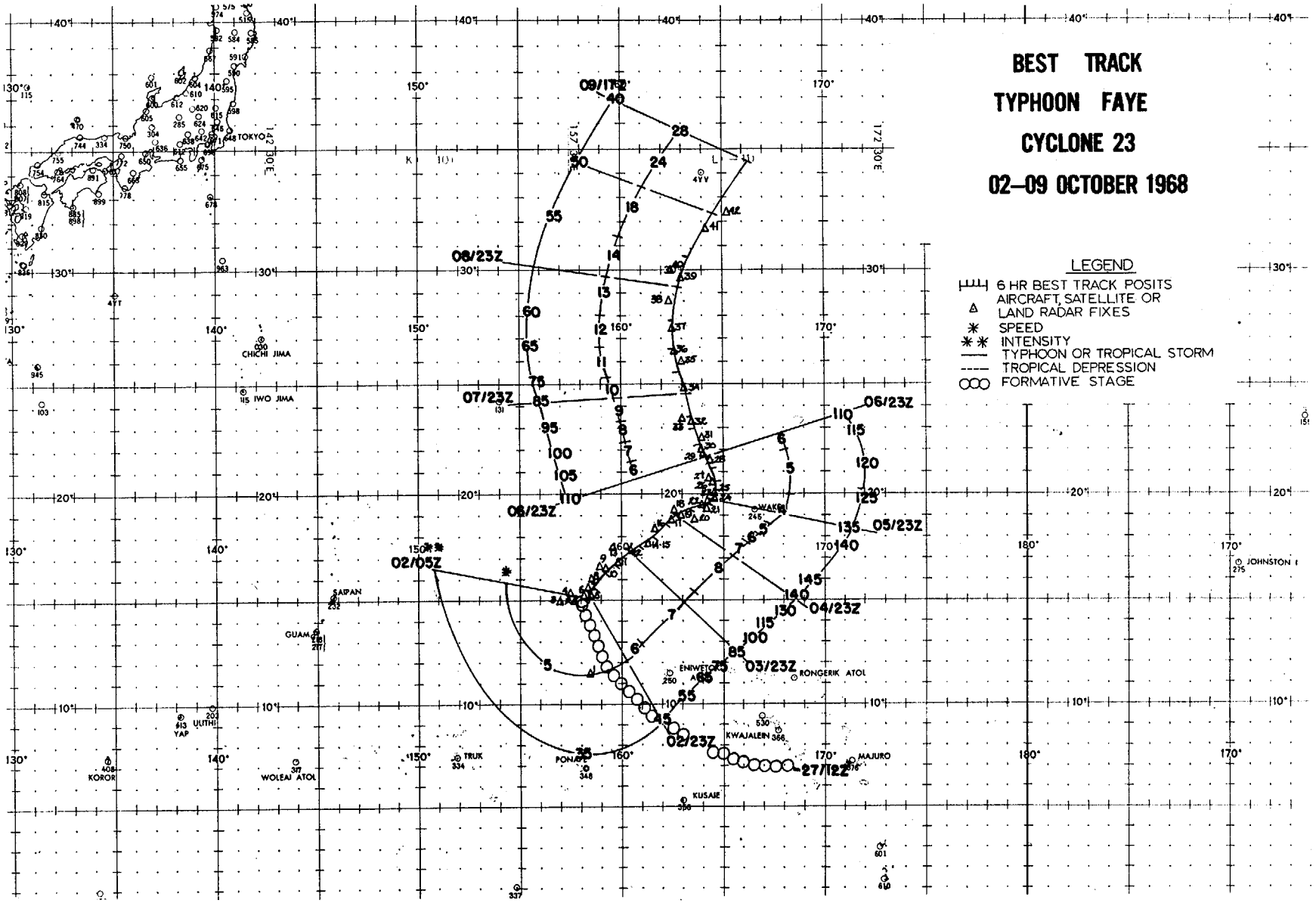
II. DEVELOPMENT

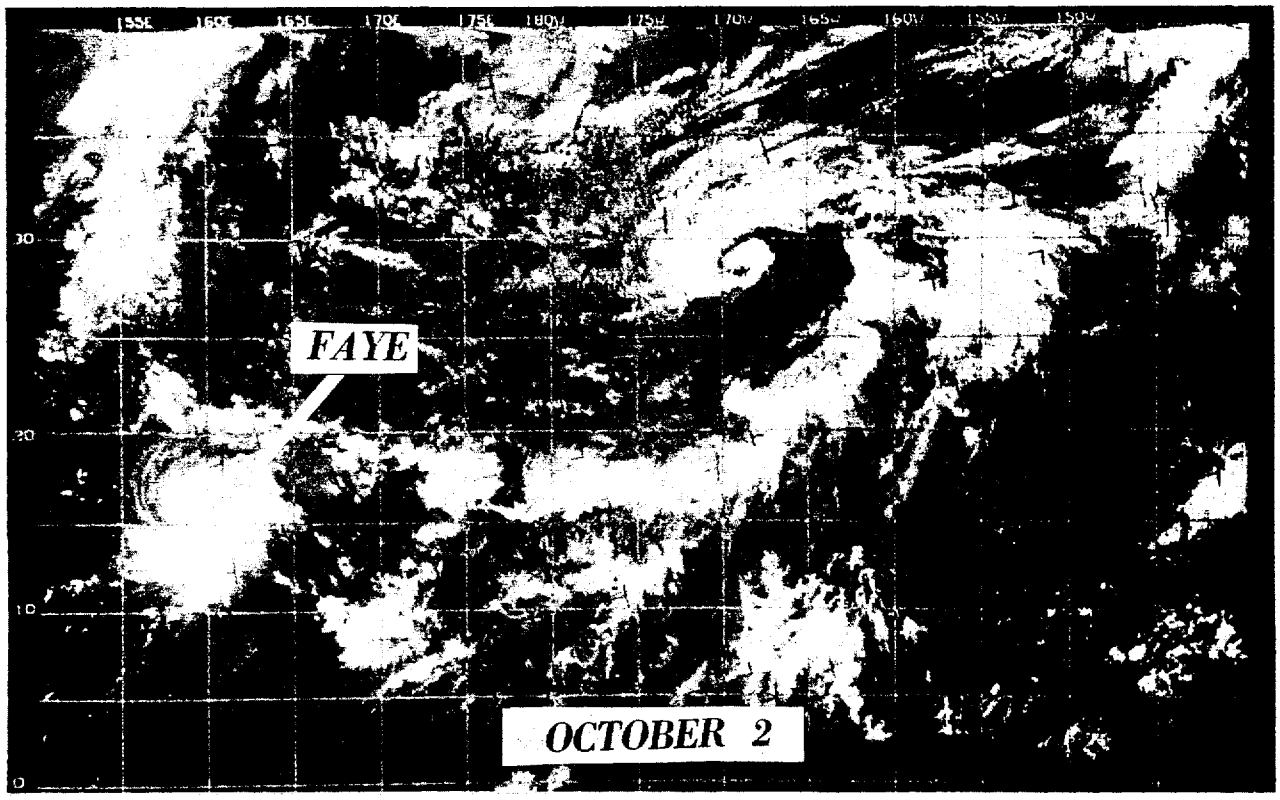
A. INITIAL IMPETUS - DEVELOPMENT OF DIVERGENCE AT 200MB LEVEL OVER SURFACE CYCLONIC CIRCULATION

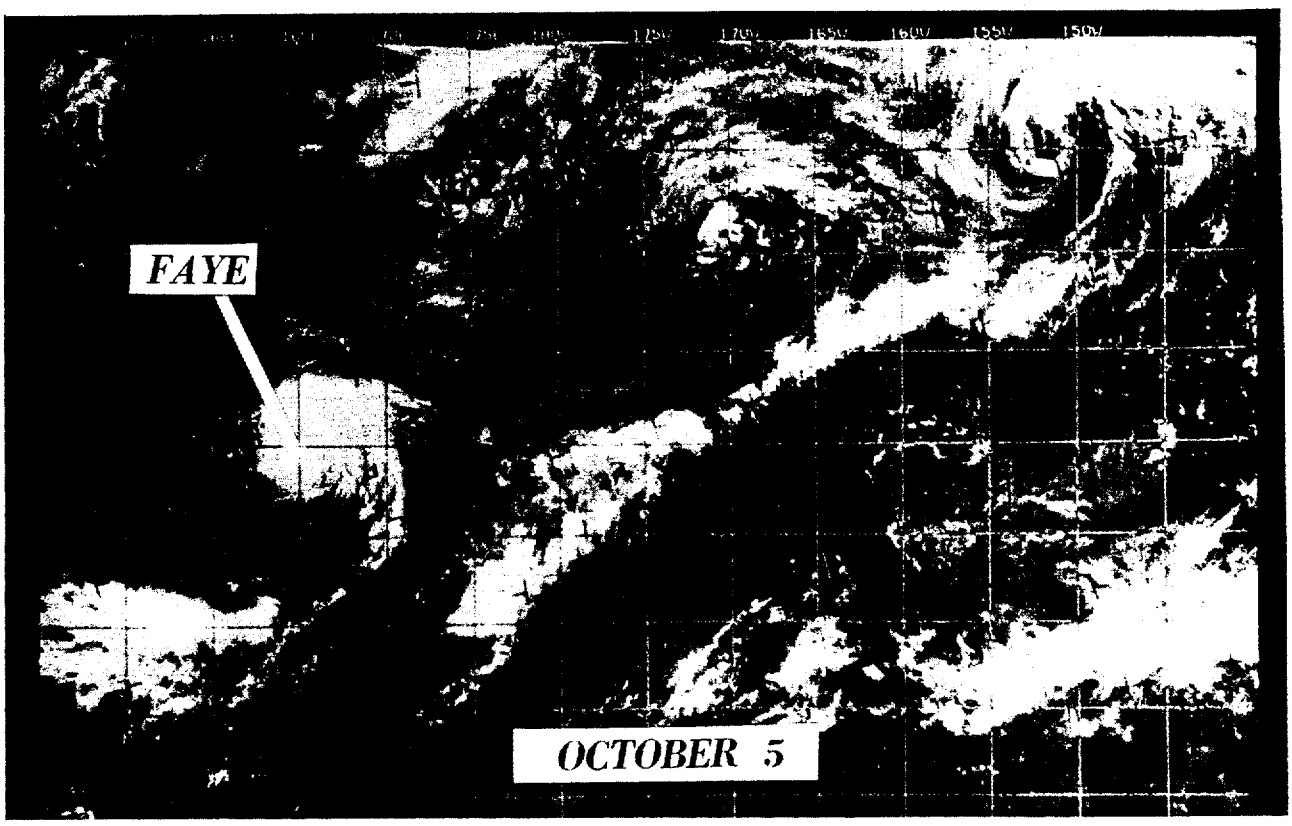
B. INITIAL SURFACE VORTEX
1. JUNCTION VORTEX AT 271200Z
2. SURFACE PRESSURE LESS THAN 1007MB

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

III. FINAL DISPOSITION - BECAME EXTRATROPICAL


BEST TRACK
TYPHOON FAYE
CYCLONE 23
02–09 OCTOBER 1968
LEGEND
6 HR BEST TRACK POSITS
AIRCRAFT, SATELLITE OR LAND RADAR FIXES
SPEED
INTENSITY
TYPHOON OR TROPICAL STORM
TROPICAL DEPRESSION
FORMATIVE STAGE
09/17Z
08/23Z
07/23Z
06/23Z
05/23Z
04/23Z
03/23Z
02/23Z
02/05Z
27/12Z
TOKYO
CHICHI JIMA
IWO JIMA
SAIPAN
GUAM
YAP
ULITHI
KOROR
WOLEAI ATOL
TRUK
PONAPE
KUSAIE
KWAJALEIN
MAJURO
RONGERIK ATOL
ENIWETOK
WAKE
JOHNSTON I


FAYE
OCTOBER 2


FAYE
OCTOBER 5

EYE FIXES CYCLONE 23

| FIX NO. | TIME | POSIT | UNIT-METHOD -ACCY | FLT LVL | FLT LVL WND | OBS SFC WND | OBS MIN SLP | MIN 700MB HGT | FLT LVL TT/TO | EYE FORM | ORIEN-TATION | EYE DIA | THKNS WALL CLOUD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 010301Z | 11.5N 158.5E | SLTLS | STG C | DIA -- | BNDS - | | | | | | | |
| 2 | 020350Z | 15.0N 157.8E | 54-P-10-03 | 0470M | 035 | 035 | 996 | --- | 28/25 | CIRC | ---- | 03 | F.B. |
| 3 | 020352Z | 15.0N 157.0E | SLTLS | STG B | DIA -- | BNDS - | | | | | | | |
| 4 | 021006Z | 15.2N 157.5E | VW-P-05-01 | 0410M | --- | 030 | 000 | --- | 27/24 | CIRC | ---- | 03 | F.B. |
| 5 | 021450Z | 15.2N 158.4E | VW-P-10-01 | 0510M | --- | 035 | 998 | 3087 | 27/24 | CIRC | ---- | 03 | F.B. |
| 6 | 022130Z | 15.2N 158.1E | 54-P-06-02 | 700MB | 050 | 055 | 982 | 2951 | 17/-- | CIRC | ---- | 20 | -- |
| 7 | 030230Z | 15.5N 158.3E | 54-P-06-02 | 700MB | 041 | 070 | 976 | 2883 | 18/12 | CIRC | ---- | 20 | -- |
| 8 | 030447Z | 16.0N 158.5E | SLTLS | STG X | DIA 03 | BNDS 2 | | | | | | | |
| 9 | 030850Z | 15.8N 159.0E | VW-R-05-05 | | --- | --- | --- | --- | --/-- | CIRC | ---- | 14 | -- |
| 10 | 031400Z | 16.5N 159.1E | VW-R-05-02 | | --- | --- | --- | --- | --/-- | CIRC | ---- | 14 | -- |
| 11 | 032125Z | 16.9N 159.9E | 54-P-12-02 | 700MB | 050 | 075 | 952 | 2688 | 17/12 | CIRC | ---- | 14 | -- |
| 12 | 040215Z | 17.3N 160.4E | 54-P-05-01 | 700MB | 085 | 080 | 933 | 2530 | 21/13 | CIRC | ---- | 15 | -- |
| 13 | 040351Z | 17.5N 160.5E | SLTLS | STG X | DIA 03 | BNDS 3 | | | | | | | |
| 14 | 040820Z | 17.8N 161.4E | VW-R----15 | | --- | --- | --- | --- | --/-- | ---- | | | -- |
| 15 | 040925Z | 17.8N 161.4E | VW-P-10-03 | 700MB | 070 | --- | 944 | 2542 | 18/11 | CIRC | ---- | 10 | 07 |
| 16 | 041400Z | 18.3N 161.8E | VW-R-05-05 | | --- | --- | --- | --- | --/-- | CIRC | ---- | 10 | -- |
| 17 | 042100Z | 18.9N 162.4E | 54-P-10-01 | 700MB | 065 | 090 | 919 | 2368 | 16/11 | CIRC | ---- | 07 | -- |
| 18 | 050200Z | 19.2N 162.7E | 54-P-10-01 | 700MB | 130 | 100 | 911 | 2298 | 17/11 | CIRC | ---- | 08 | -- |
| 19 | 050215Z | 19.0N 163.0E | SLTLS | STG X | DIA 04 | BNDS 3 | | | | | | | |
| 20 | 050925Z | 18.9N 163.8E | VW-R-10-05 | | --- | --- | --- | --- | --/-- | CIRC | ---- | 30 | 05 |
| 21 | 051200Z | 19.2N 164.1E | VW-R------ | | --- | --- | --- | --- | --/-- | ---- | | | -- |
| 22 | 051400Z | 19.5N 164.0E | VW-R-08-05 | | --- | --- | --- | --- | --/-- | CIRC | ---- | 30 | -- |
| 23 | 052055Z | 19.6N 164.2E | 54-P-03-05 | 700MB | 125 | 130 | 923 | 2411 | 16/10 | CIRC | ---- | 20 | -- |
| 24 | 060300Z | 19.9N 164.5E | 54-P-01-03 | 700MB | 152 | 120 | 918 | 2351 | 16/11 | CIRC | ---- | 15 | 04 |

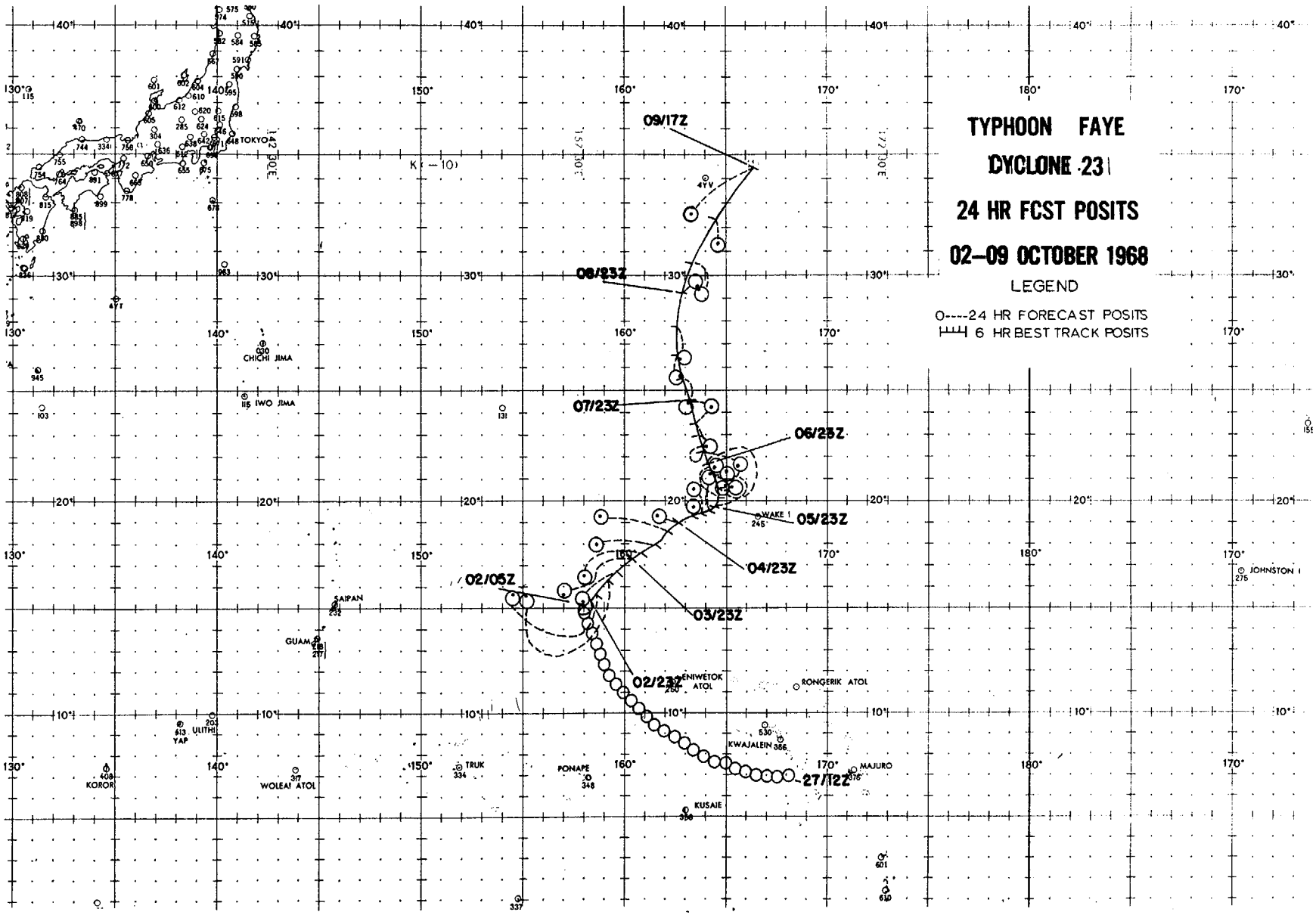
EYE FIXES CYCLONE 23

| 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 | 060346Z | 20.0N 164.5E | SLTLS | STG X | DIA 03 | BNDS 4 | | | | | | | |
| 26 | 060929Z | 20.5N 164.3E | VW-P-05-03 | 700MB | 100 | --- | 940 | 2560 | 21/11 | CIRC | ---- | 20 | -- |
| 27 | 061302Z | 20.6N 164.3E | VW-R-03-10 | | --- | --- | --- | --- | --/-- | CIRC | ---- | 25 | 10 |
| 28 | 062130Z | 21.5N 164.4E | 54-P-10-05 | 700MB | 080 | 080 | 945 | 2530 | 18/11 | CIRC | ---- | 20 | -- |
| 29 | 070140Z | 21.9N 164.0E | 54-P-10-05 | 700MB | 085 | 090 | 938 | 2570 | 21/12 | ---- | | | -- |
| 30 | 070246Z | 22.0N 164.0E | SLTLS | STG X | DIA 04 | BNDS 3 | | | | | | | |
| 31 | 070900Z | 22.7N 164.0E | VW-P-05-05 | 0270M | 090 | 085 | 949 | --- | 27/22 | ---- | | | -- |
| 32 | 071400Z | 23.2N 163.4E | VW-R-05-10 | | --- | --- | --- | --- | --/-- | ---- | | | -- |
| 33 | 072100Z | 24.4N 163.2E | 54-P-05-04 | 700MB | 050 | 045 | 956 | 2716 | 17/12 | CIRC | ---- | 20 | -- |
| 34 | 080300Z | 24.9N 163.1E | 54-P-15-05 | 700MB | 075 | 050 | 959 | 2734 | 17/12 | ---- | | | F.B. |
| 35 | 080340Z | 26.0N 163.0E | SLTLS | STG X | DIA 04 | BNDS 3 | | | | | | | |
| 36 | 080825Z | 26.4N 162.7E | VW-P-04-05 | 700MB | 030 | --- | 974 | 2833 | 16/12 | ---- | | | F.B. |
| 37 | 081450Z | 27.4N 162.4E | VW-P-05-05 | 700MB | 065 | --- | 974 | 2843 | 16/12 | CIRC | ---- | 35 | F.B. |
| 38 | 082110Z | 28.8N 162.3E | 54-P-10-05 | 700MB | 055 | 045 | 965 | 2798 | 16/-- | ---- | | | -- |
| 39 | 090200Z | 29.8N 163.0E | 54-P-15-10 | 700MB | 070 | --- | 966 | 2804 | 16/12 | ---- | | | -- |
| 40 | 090245Z | 30.0N 162.5E | SLTLS | STG C | DIA -- | BNDS - | | | | | | | |
| 41 | 090915Z | 31.8N 164.2E | VW-P-10-05 | 0240M | 065 | 050 | 966 | 2824 | 24/20 | ---- | | | -- |
| 42 | 091300Z | 33.3N 165.2E | VW-P-10-10 | 700MB | 065 | --- | --- | 2798 | 13/11 | ---- | | | -- |
| 43 | 100336Z | 41.0N 168.0E | SLTLS | STG C | DIA -- | BNDS - | | | | | | | |

TROPICAL CYCLONE 23 -- 10/02/0500Z TO 10/09/1700Z
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. |
|---|---|---|---|---|---|
| 021700Z | 14.8N | 158.1E | -------- | -------- | -------- |
| 022300Z | 15.2N | 158.3E | -------- | -------- | -------- |
| 030500Z | 15.7N | 158.6E | 271-0234 | -------- | -------- |
| 031100Z | 16.3N | 159.1E | 262-0228 | -------- | -------- |
| 031700Z | 16.7N | 159.6E | 224-0126 | -------- | -------- |
| 032300Z | 17.1N | 160.2E | 245-0198 | -------- | -------- |
| 040500Z | 17.5N | 160.8E | 249-0162 | -------- | -------- |
| 041100Z | 18.0N | 161.5E | 270-0150 | -------- | -------- |
| 041700Z | 18.6N | 162.1E | 281-0180 | -------- | -------- |
| 042300Z | 19.0N | 162.6E | 285-0042 | 255-0444 | -------- |
| 050500Z | 19.2N | 163.3E | 010-0036 | 270-0348 | -------- |
| 051100Z | 19.4N | 163.8E | 344-0066 | 285-0354 | -------- |
| 051700Z | 19.5N | 164.1E | 004-0096 | 296-0330 | -------- |
| 052300Z | 19.7N | 164.4E | 019-0090 | 324-0150 | -------- |
| 060500Z | 20.1N | 164.5E | 360-0084 | 009-0084 | 283-0486 |
| 061100Z | 20.6N | 164.5E | 090-0036 | 356-0102 | -------- |
| 061700Z | 21.1N | 164.4E | 055-0048 | 013-0132 | 305-0378 |
| 062300Z | 21.7N | 164.1E | 141-0072 | 049-0144 | -------- |
| 070500Z | 22.3N | 163.9E | 115-0096 | 042-0072 | 056-0072 |
| 071100Z | 23.0N | 163.7E | 158-0030 | 115-0108 | -------- |
| 071700Z | 23.7N | 163.4E | 157-0078 | 095-0132 | 042-0156 |
| 072300Z | 24.6N | 163.1E | 116-0066 | 137-0192 | -------- |
| 080500Z | 25.5N | 162.8E | 169-0066 | 124-0198 | 101-0090 |
| 081100Z | 26.7N | 162.5E | 170-0072 | 149-0150 | -------- |
| 081700Z | 27.9N | 162.3E | 165-0096 | 156-0222 | 125-0258 |
| 082300Z | 29.2N | 162.6E | 070-0048 | 150-0192 | -------- |
| 090500Z | 30.6N | 163.4E | 167-0078 | 188-0228 | 153-0330 |
| 091100Z | 32.3N | 164.5E | 168-0060 | 197-0270 | -------- |
| 091700Z | 34.7N | 166.1E | 229-0186 | 202-0384 | 190-0504 |

AVERAGE 24 HOUR ERROR - 0100 MI.
AVERAGE 48 HOUR ERROR - 0211 MI.
AVERAGE 72 HOUR ERROR - 0284 MI.


TYPHOON FAYE
DYCLONE 23
24 HR FCST POSITS
02–09 OCTOBER 1968
LEGEND
O----24 HR FORECAST POSITS
6 HR BEST TRACK POSITS
09/17Z
08/23Z
07/23Z
06/23Z
05/23Z
04/23Z
03/23Z
02/05Z
02/23Z
27/12Z
TOKYO
CHICHI JIMA
IWO JIMA
WAKE I
JOHNSTON
SAIPAN
GUAM
ENIWETOK ATOL
RONGERIK ATOL
ULITHI
YAP
KOROR
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KUSAIE