

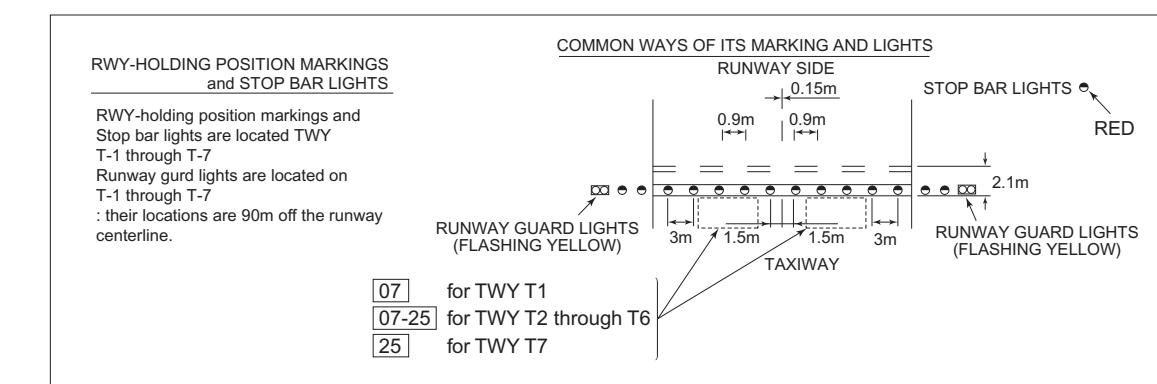
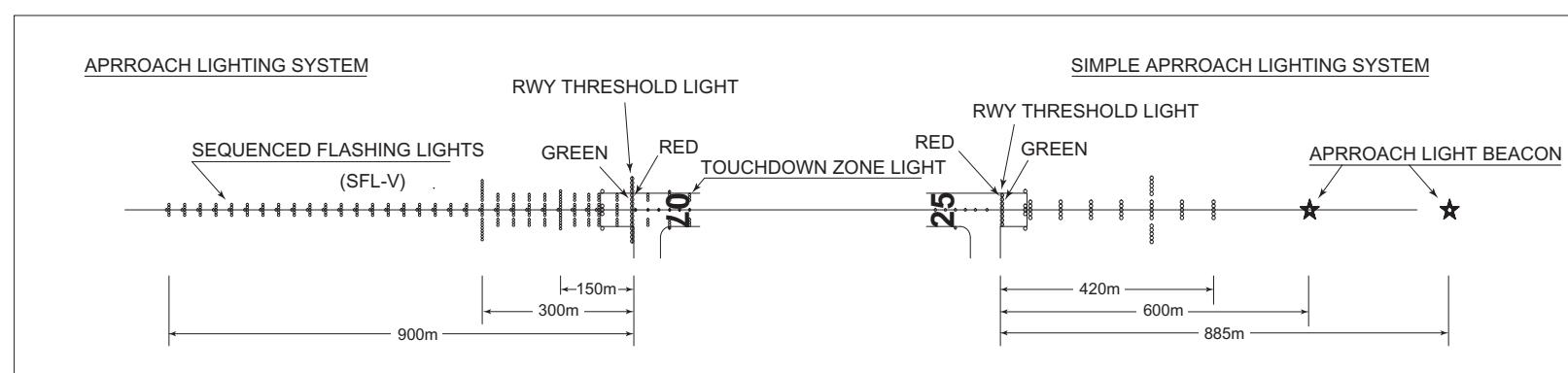
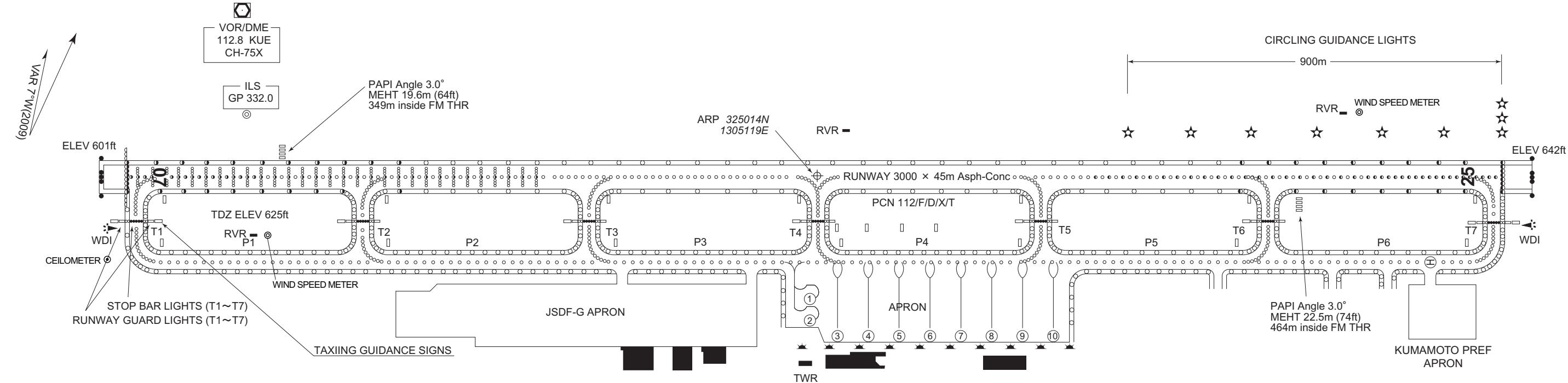
AERODROME CHART

KUMAMOTO AIRPORT  
ELEV 192.7m(632ft)



MARKING AIDS

CHANGE : CEILOMETER, WIND SPEED METER added. RVR relocated.

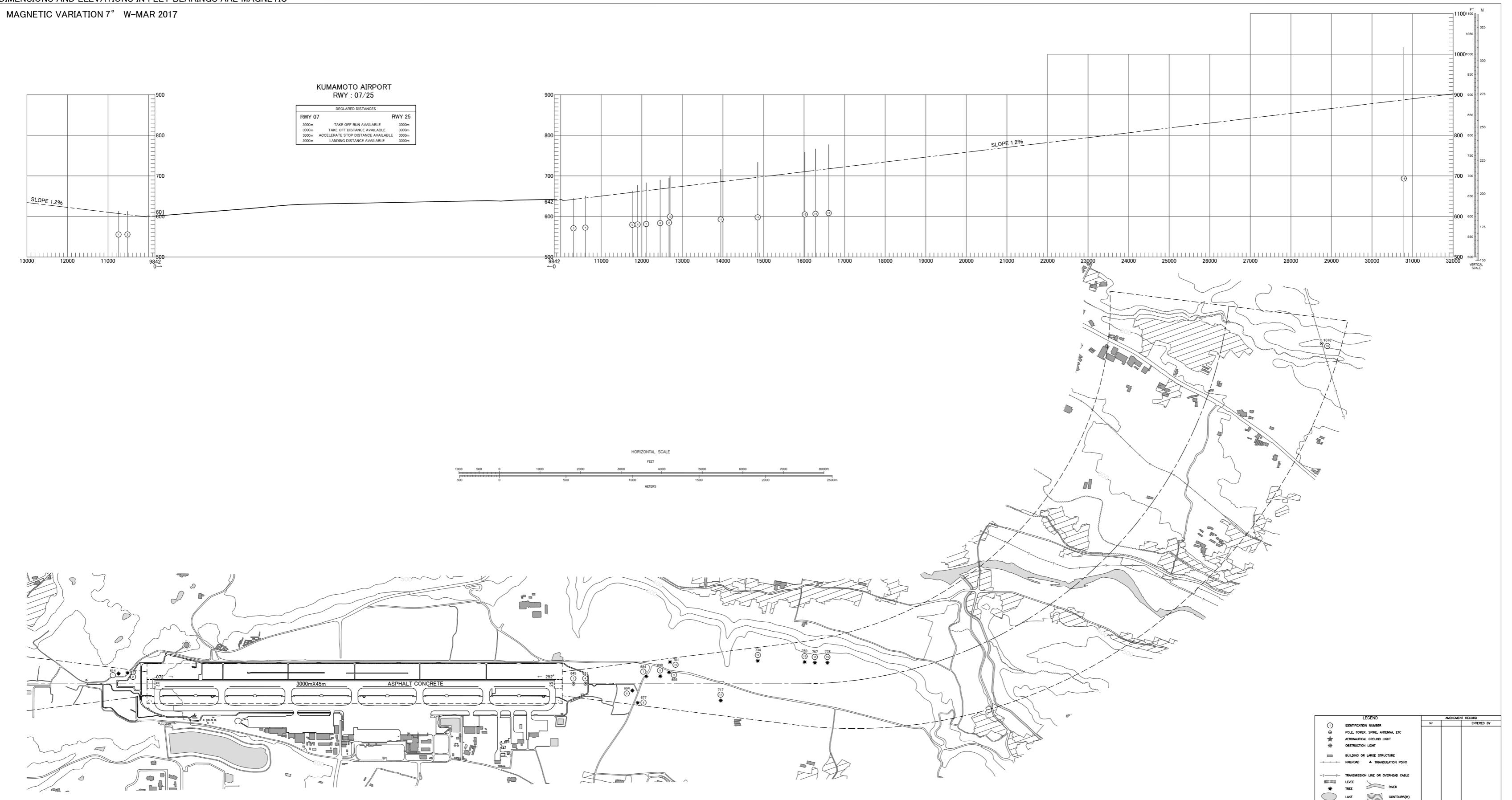




DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

MAGNETIC VARIATION 7° W-MAR 2017

AERODROME OBSTACLE CHART-ICAO  
TYPE A (OPERATING LIMITATIONS)



DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

## TYPE B



## PRECISION APPROACH TERRAIN CHART-ICAO



STANDARD DEPARTURE CHART-INSTRUMENT

RJFT / KUMAMOTO

SID and TRANSITION

KUMAMOTO REVERSAL SEVEN DEPARTURE

- RWY25 : Climb via KUE R251 to 3.0DME, turn left,...  
RWY07 : Turn left, proceed direct to KUE VOR/DME,...  
...climb via KUE R206 to RINDO, turn left to intercept and proceed via KUE R186 to KUE VOR/DME.  
Cross RINDO at or above 7000FT, cross KUE R186/8.0DME at or above FL140.

Note RWY07 : 5.7% climb gradient required up to 2700FT.  
OBST ALT 2362FT located at 6.0NM 034° FM end of RWY07.

RINDO FIVE DEPARTURE

- RWY25 : Climb via KUE R251 to 3.0DME, turn left,...  
RWY07 : Turn left, proceed direct to KUE VOR/DME,...  
...climb via KUE R206 to RINDO.

Cross RINDO at or above 7000FT.

Note RWY07 : 5.7% climb gradient required up to 2700FT.  
OBST ALT 2362FT located at 6.0NM 034° FM end of RWY07.

MIYAZAKI TRANSITION

From over RINDO, turn left, proceed via KUE 25.0DME counterclockwise ARC to intercept and proceed via KUE R159/MZE R339 (MRA 8000FT) to MZE VOR/DME.

KAGOSHIMA TRANSITION

From over RINDO, turn left, proceed via HKC 45.0DME clockwise ARC to intercept and proceed via HKC R038 (MRA 9000FT) to HKC VORTAC.

MUSASHI TRANSITION

From over RINDO, turn left, proceed via KUE 25.0DME counterclockwise ARC to intercept and proceed via TFE R211 (MRA FL150) to TFE VOR/DME.

HINAG FOUR DEPARTURE

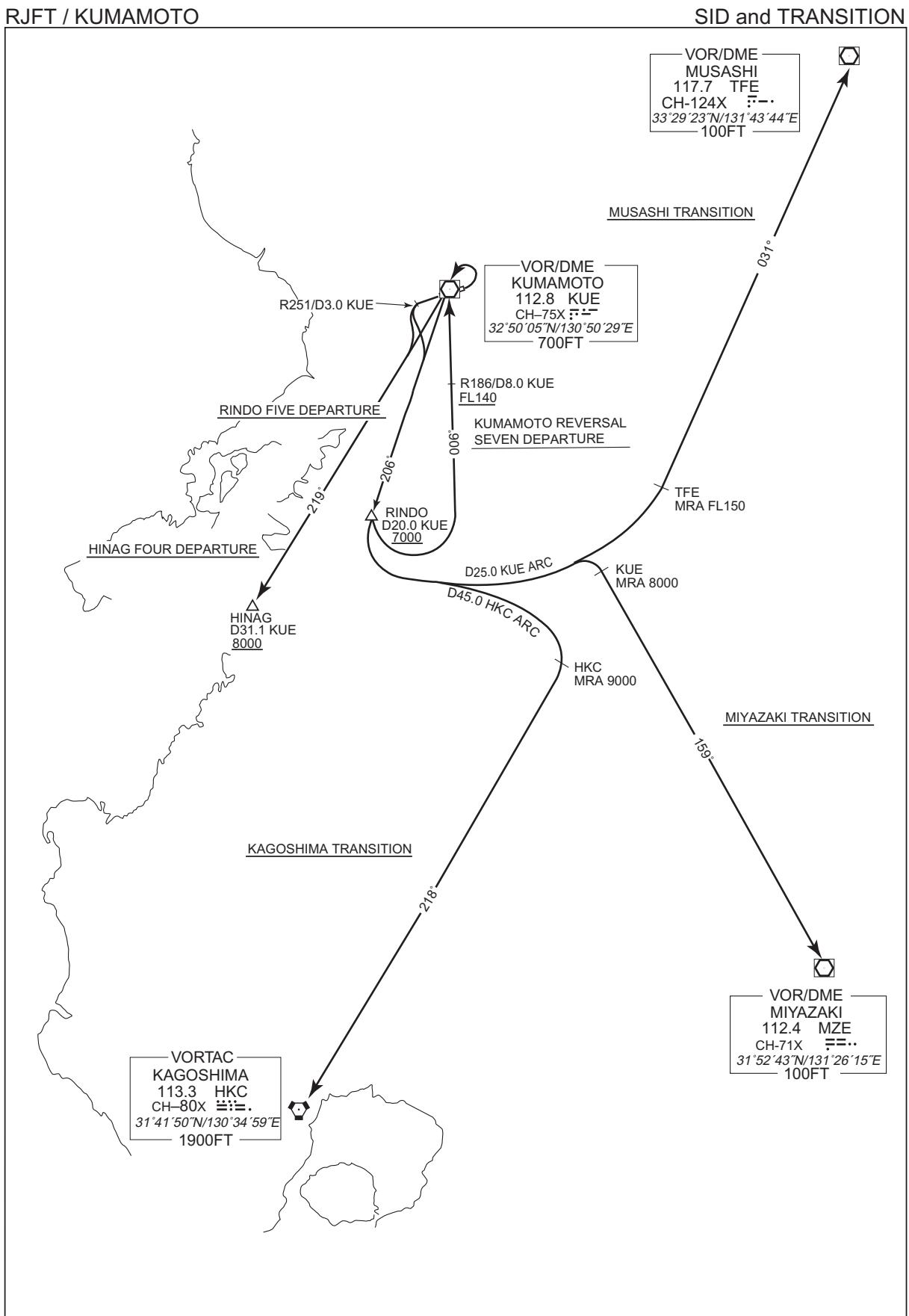
- RWY25 : Climb via KUE R251 to 3.0DME, turn left,...  
RWY07 : Turn left, proceed direct to KUE VOR/DME,...  
...climb via KUE R219 to HINAG.

Cross HINAG at or above 8000FT.

Note RWY07 : 5.7% climb gradient required up to 2700FT.  
OBST ALT 2362FT located at 6.0NM 034° FM end of RWY07.

CHANGE : KAGOSHIMA TRANSITION.

## STANDARD DEPARTURE CHART-INSTRUMENT



STANDARD DEPARTURE CHART-INSTRUMENT

RJFT / KUMAMOTO

SID

IRUKA TWO DEPARTURE

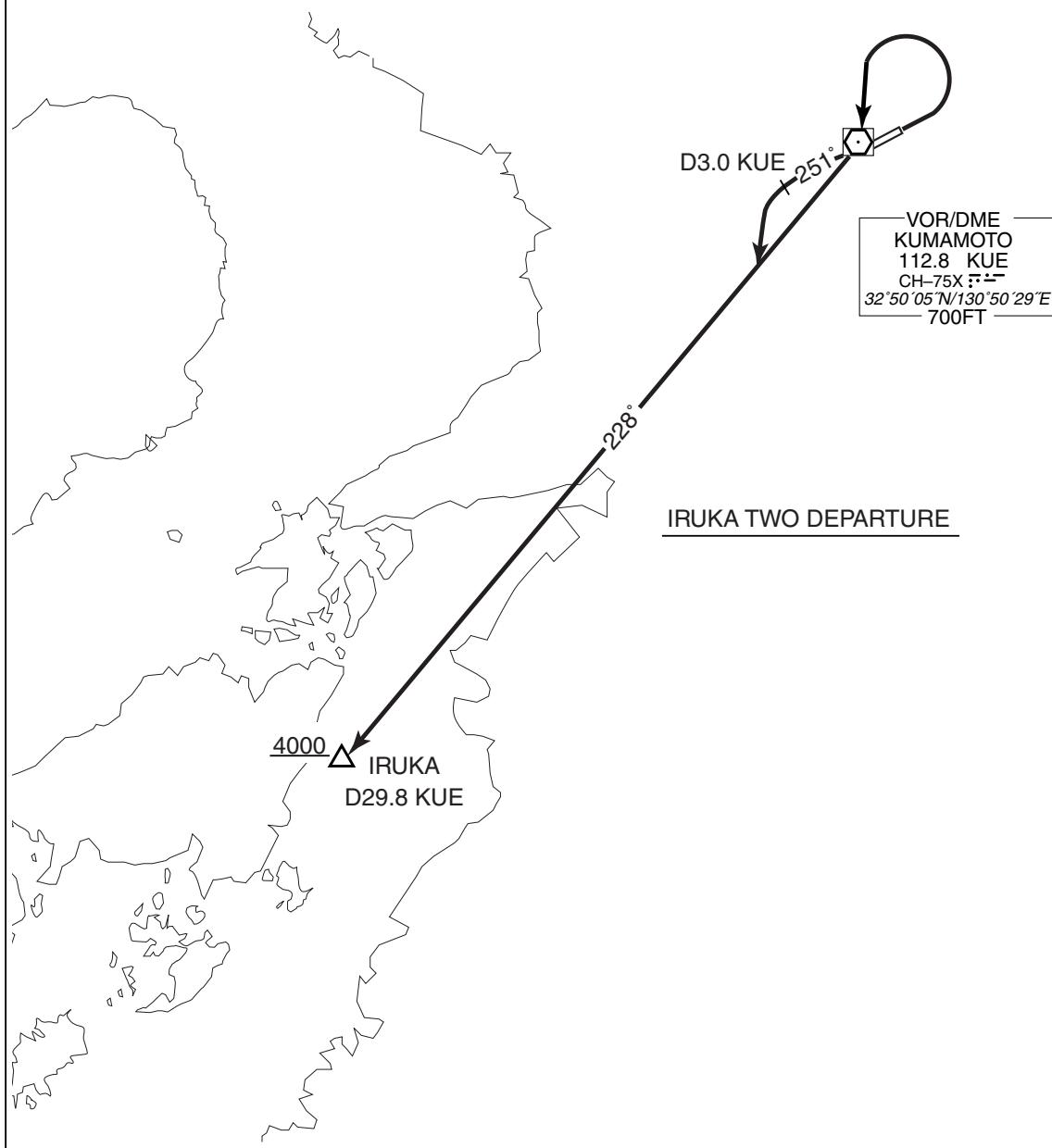
RWY07 : Turn left, direct to KUE VOR/DME,...

RWY25 : Climb via KUE R251 to 3.0DME, turn left,...  
...climb via KUE R228 to IRUKA.

Cross IRUKA at or above 4000FT.

Note RWY07 : 5.7% climb gradient required up to 2700FT.

OBST ALT 2362FT located at 6.0NM 034° FM end of RWY07.

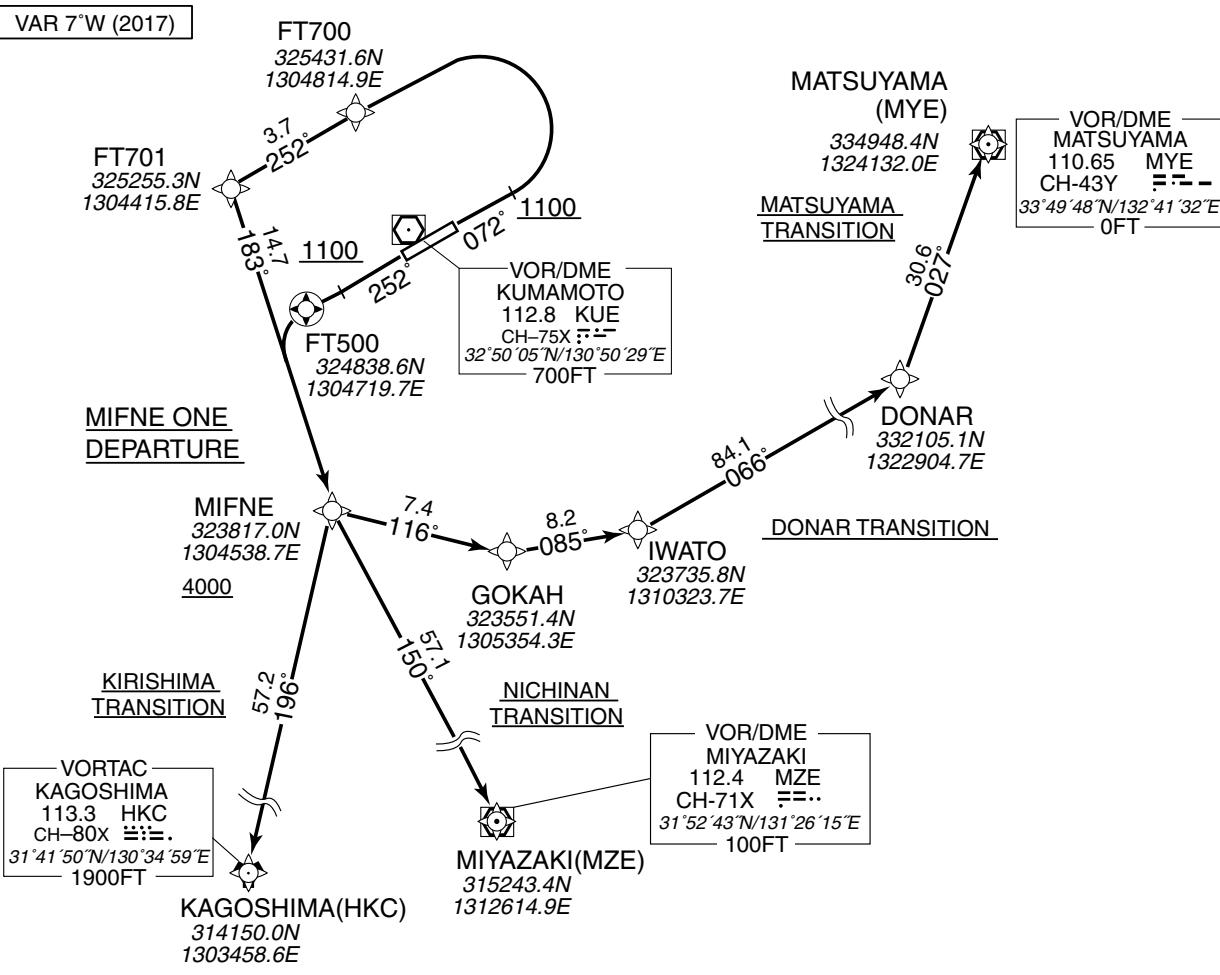


## STANDARD DEPARTURE CHART-INSTRUMENT

RJFT / KUMAMOTO

RNAV SID and TRANSITION

| MIFNE ONE DEPARTURE<br>DONAR TRANSITION / MATSUYAMA TRANSITION<br>KIRISHIMA TRANSITION / NICHINAN TRANSITION  |                       | RNAV 1  |
|---|-----------------------|---|
| Note 1 ) DME/DME/IRU or GNSS required<br>※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off roll.<br>2 ) RADAR service required | Critical DME          | KIRISHIMA TRANSITION<br>MZE : 14.0NM to HKC - HKC |
|   | DME GAP               | RWY07 : DER - FT701<br>RWY25 : DER - FT500        |
|   | Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

MIFNE ONE DEPARTURE

RWY07 : Climb on HDG072° at or above 1100FT, turn left direct to FT700, to FT701, to MIFNE at or above 4000FT.

RWY25 : Climb on HDG252° at or above 1100FT, direct to FT500, turn left direct to MIFNE at or above 4000FT.

Note : RWY07 : 5.7% climb gradient required up to 2700FT.

OBST ALT 2362FT located at 6.0NM 034° FM end of RWY07.

DONAR TRANSITION

From MIFNE at or above 4000FT, to GOKAH, to IWATO, to DONAR.

MATSUYAMA TRANSITION

From MIFNE at or above 4000FT, to GOKAH, to IWATO, to DONAR, to MYE.

KIRISHIMA TRANSITION

From MIFNE at or above 4000FT, to HKC.

NICHINAN TRANSITION

From MIFNE at or above 4000FT, to MZE.

STANDARD DEPARTURE CHART-INSTRUMENT

RJFT / KUMAMOTO

RNAV SID and TRANSITION

MIFNE ONE DEPARTURE

**RWY07**

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | VA              | —                   | —        | 072 (064.5)   | -7.2               | —             | —              | +1100         | —            | —              | RNAV1                    |
| 002           | DF              | FT700               | —        | —             | -7.2               | —             | L              | —             | —            | —              | RNAV1                    |
| 003           | TF              | FT701               | —        | 252 (244.4)   | -7.2               | 3.7           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | MIFNE               | —        | 183 (175.5)   | -7.2               | 14.7          | —              | +4000         | —            | —              | RNAV1                    |

**RWY25**

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | VA              | —                   | —        | 252 (244.5)   | -7.2               | —             | —              | +1100         | —            | —              | RNAV1                    |
| 002           | DF              | FT500               | Y        | —             | -7.2               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | DF              | MIFNE               | —        | —             | -7.2               | —             | L              | +4000         | —            | —              | RNAV1                    |

DONAR TRANSITION

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | MIFNE               | —        | —             | -7.2               | —             | —              | +4000         | —            | —              | RNAV1                    |
| 002           | TF              | GOKAH               | —        | 116 (109.2)   | -7.2               | 7.4           | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | IWATO               | —        | 085 (077.7)   | -7.2               | 8.2           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | DONAR               | —        | 066 (058.4)   | -7.2               | 84.1          | —              | —             | —            | —              | RNAV1                    |

MATSUYAMA TRANSITION

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | MIFNE               | —        | —             | -7.2               | —             | —              | +4000         | —            | —              | RNAV1                    |
| 002           | TF              | GOKAH               | —        | 116 (109.2)   | -7.2               | 7.4           | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | IWATO               | —        | 085 (077.7)   | -7.2               | 8.2           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | DONAR               | —        | 066 (058.4)   | -7.2               | 84.1          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | MYE                 | —        | 027 (019.8)   | -7.2               | 30.6          | —              | —             | —            | —              | RNAV1                    |

KIRISHIMA TRANSITION

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | MIFNE               | —        | —             | -7.2               | —             | —              | +4000         | —            | —              | RNAV1                    |
| 002           | TF              | HKC                 | —        | 196 (189.1)   | -7.2               | 57.2          | —              | —             | —            | —              | RNAV1                    |

NICHINAN TRANSITION

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | MIFNE               | —        | —             | -7.2               | —             | —              | +4000         | —            | —              | RNAV1                    |
| 002           | TF              | MZE                 | —        | 150 (142.8)   | -7.2               | 57.1          | —              | —             | —            | —              | RNAV1                    |

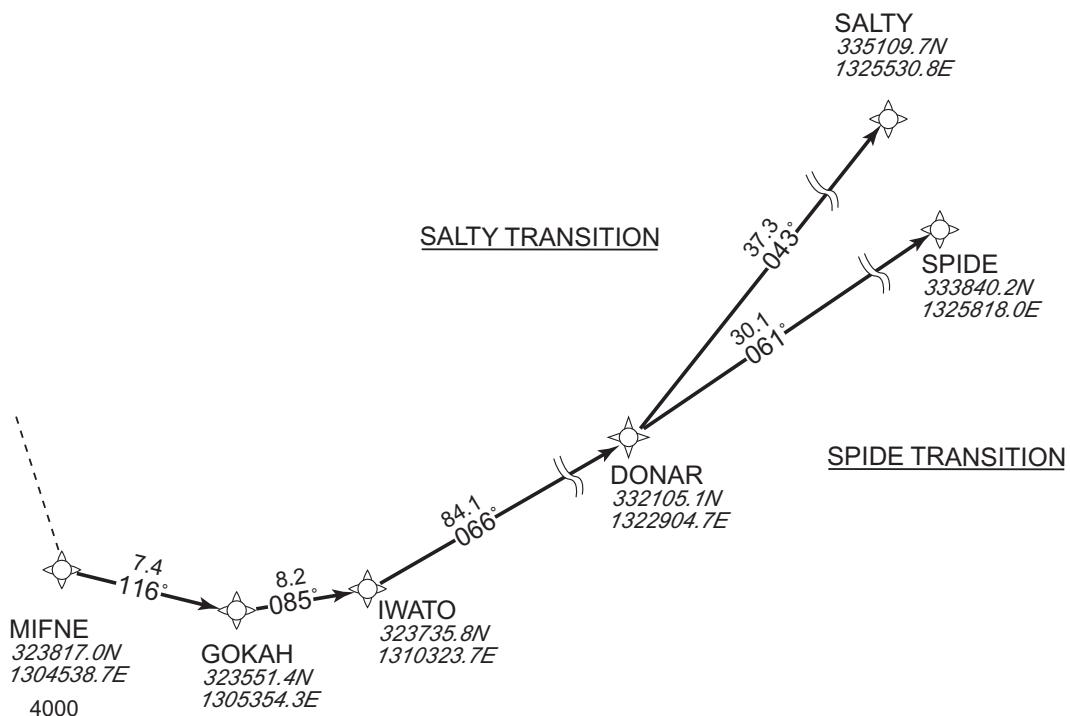
## STANDARD DEPARTURE CHART-INSTRUMENT

RJFT / KUMAMOTO

RNAV TRANSITION

| SPIDE TRANSITION / SALTY TRANSITION                                 |                       | RNAV 1  |
|---|-----------------------|---|
| Note 1 ) DME/DME/IRU or GNSS required<br>2 ) RADAR service required | Critical DME          | —   |
|   | DME GAP               | —   |
|   | Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

VAR 7° W(2017)



CHANGE : Critical DME deleted.

SPIDE TRANSITION

From MIFNE at or above 4000FT, to GOKAH, to IWATO, to DONAR, to SPIDE.

SALTY TRANSITION

From MIFNE at or above 4000FT, to GOKAH, to IWATO, to DONAR, to SALTY.

## STANDARD DEPARTURE CHART-INSTRUMENT

RJFT / KUMAMOTO

RNAV TRANSITION

SPIDE TRANSITION

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | MIFNE               | —        | —             | -7.2               | —             | —              | +4000         | —            | —              | RNAV1                    |
| 002           | TF              | GOKAH               | —        | 116 (109.2)   | -7.2               | 7.4           | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | IWATO               | —        | 085 (077.7)   | -7.2               | 8.2           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | DONAR               | —        | 066 (058.4)   | -7.2               | 84.1          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | SPIDE               | —        | 061 (054.1)   | -7.2               | 30.1          | —              | —             | —            | —              | RNAV1                    |

SALTY TRANSITION

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | MIFNE               | —        | —             | -7.2               | —             | —              | +4000         | —            | —              | RNAV1                    |
| 002           | TF              | GOKAH               | —        | 116 (109.2)   | -7.2               | 7.4           | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | IWATO               | —        | 085 (077.7)   | -7.2               | 8.2           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | DONAR               | —        | 066 (058.4)   | -7.2               | 84.1          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | SALTY               | —        | 043 (036.1)   | -7.2               | 37.3          | —              | —             | —            | —              | RNAV1                    |

STANDARD ARRIVAL CHART-INSTRUMENT

RJFT / KUMAMOTO

STAR

MISMI SOUTH ARRIVAL

From over HINAG, proceed via HKC R001 to intercept and proceed via KUE R251 to MISMI. Maintain 6000FT or above until intercepting KUE R251, cross MISMI at or above 3400FT.

TAKAS SOUTH ARRIVAL

From over HINAG, proceed via HKC R001 until HKC 71.0DME (KUE R285), turn right to intercept and proceed via KUE R297 to TAKAS.

Cross HKC R001/71.0DME(KUE R285) at or above 7000FT, cross TAKAS at or above 3400FT.



## STANDARD ARRIVAL CHART-INSTRUMENT

RJFT / KUMAMOTO

STAR

MISMI EAST ARRIVAL

From over KUE VOR/DME, proceed via KUE R297 to KUE 12.0DME, turn left, proceed via KUE 14.0DME counterclockwise ARC to intercept and proceed via KUE R251 to MISMI.

Cross KUE VOR/DME at or above 6000FT, cross MISMI at or above 3400FT.

TAKAS EAST ARRIVAL

From over KUE VOR/DME, proceed via KUE R251 to KUE 12.0DME, turn right, proceed via KUE 14.0DME clockwise ARC to intercept and proceed via KUE R297 to TAKAS.

Cross KUE VOR/DME at or above 6000FT, cross TAKAS at or above 3400FT.



STANDARD ARRIVAL CHART-INSTRUMENT

RJFT / KUMAMOTO

RNAV STAR RWY07

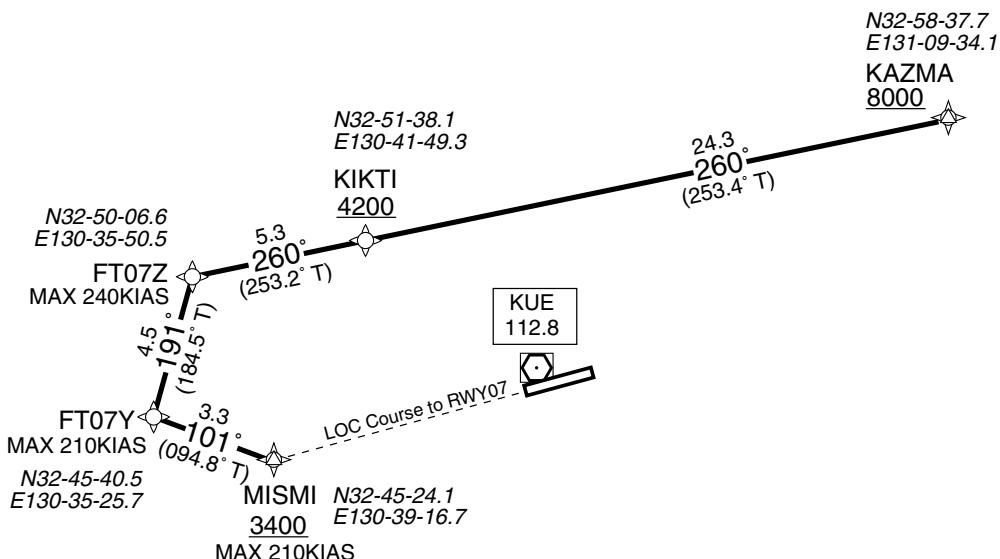
KAZMA RNAV ARRIVAL

RNAV1

Note 1 ) DME/DME/IRU or GNSS required.

2 ) RADAR service required.

VAR 7°W (2009)

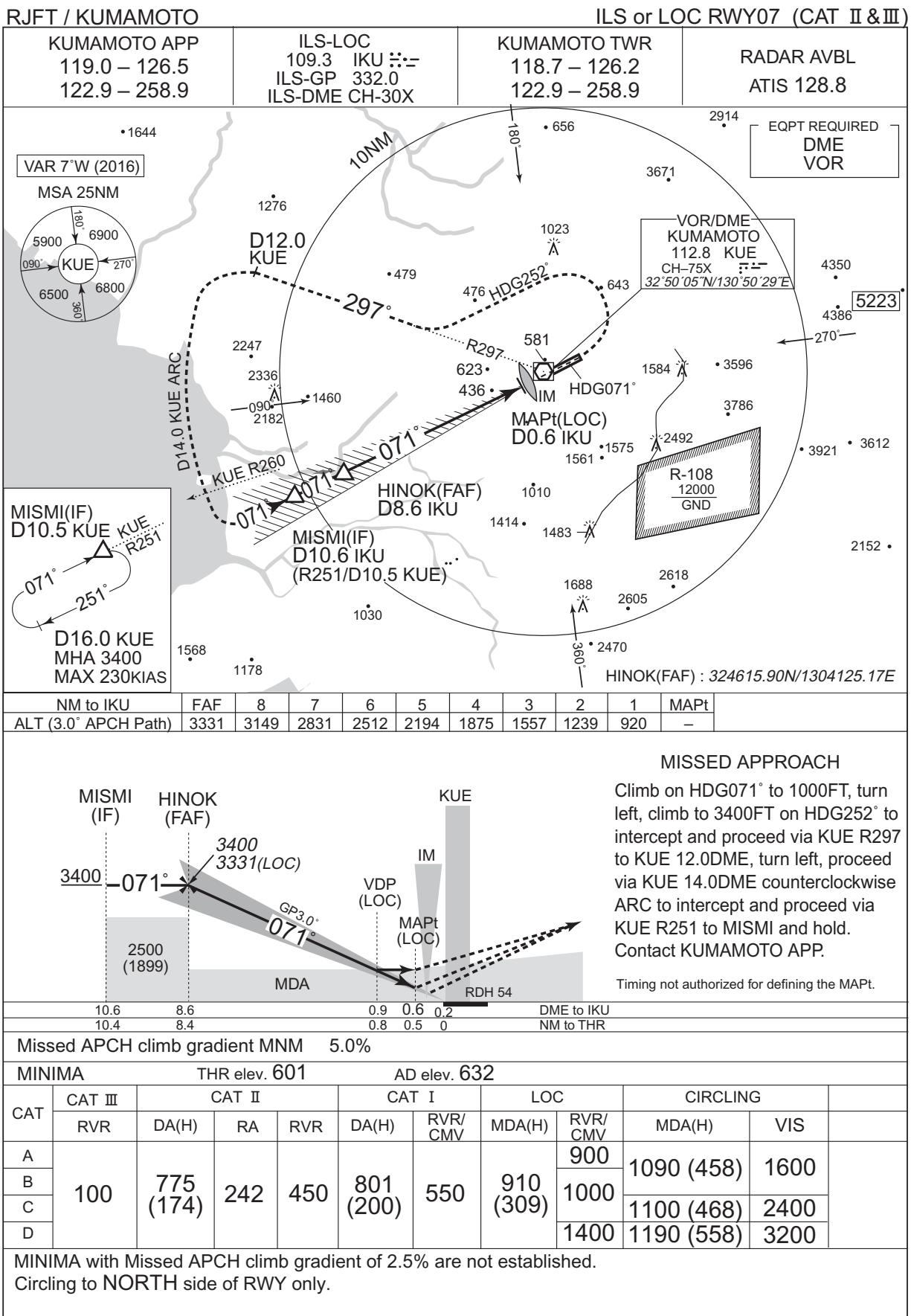


From KAZMA at or above 8000FT, to KIKTI at or above 4200FT, to FT07Z, to FT07Y, to MISMI at or above 3400FT.

| FIX                   | DESIGNATION   | COORDINATES              |
|-----------------------|---|--------------------------|
|                       | KAZMA   | 32 58 37.7N 131 09 34.1E |
|                       | KIKTI   | 32 51 38.1N 130 41 49.3E |
|                       | FT07Z   | 32 50 06.6N 130 35 50.5E |
|                       | FT07Y   | 32 45 40.5N 130 35 25.7E |
|                       | MISMI   | 32 45 24.1N 130 39 16.7E |
| Critical DME          | SGE : 20NM to KIKTI – 8NM to KIKTI<br>5NM to FT07Z – FT07Y<br>KUE : 12NM to KIKTI – 8NM to KIKTI<br>5NM to FT07Z – 2NM to FT07Z |                          |
| DME GAP               | 8NM to KIKTI – 5NM to FT07Z   |                          |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1.  |                          |

| Rcmd. Path Terminator | Fix ID (Waypoint Name) | Fly Over | Distance (NM) | MAG Track (TRUE Track) | Turn Direction | Altitude (FT) | Speed Limit (KIAS) | Vertical Angle | Navigation Performance |
|-----------------------|------------------------|----------|---------------|------------------------|----------------|---------------|--------------------|----------------|------------------------|
| IF                    | KAZMA                  | —        | —             | —                      | —              | +8000         | —                  | —              | RNAV1                  |
| TF                    | KIKTI                  | —        | 24.3          | 260° (253.4°)          | —              | +4200         | —                  | —              | RNAV1                  |
| TF                    | FT07Z                  | —        | 5.3           | 260° (253.2°)          | —              | —             | 240                | —              | RNAV1                  |
| TF                    | FT07Y                  | —        | 4.5           | 191° (184.5°)          | —              | —             | 210                | —              | RNAV1                  |
| TF                    | MISMI                  | —        | 3.3           | 101° (094.8°)          | —              | +3400         | 210                | —              | RNAV1                  |

INSTRUMENT APPROACH CHART

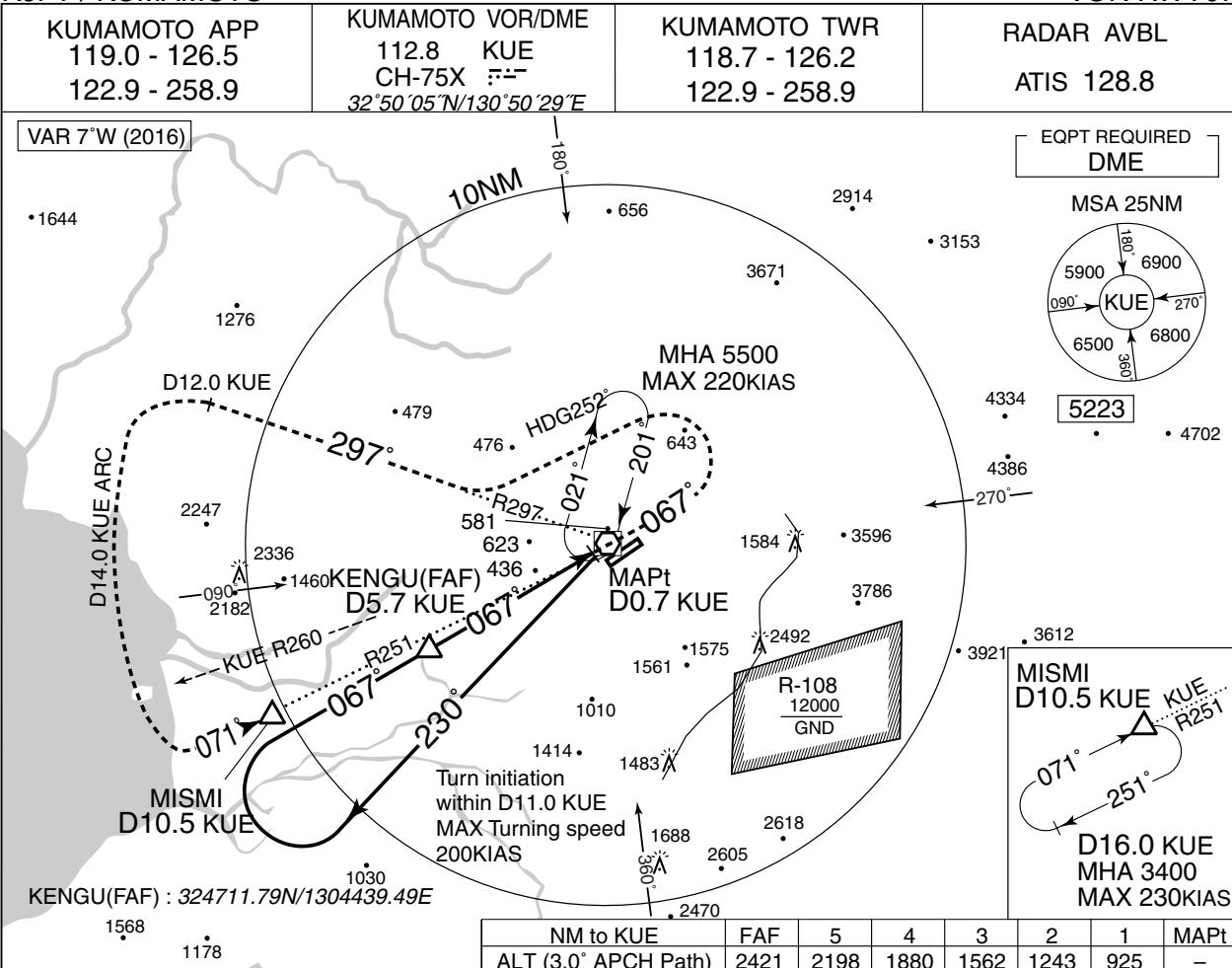


CHANGE: MINIMA(CAT IIIA, IIIB → CAT III).

## INSTRUMENT APPROACH CHART

RJFT / KUMAMOTO

VOR RWY07

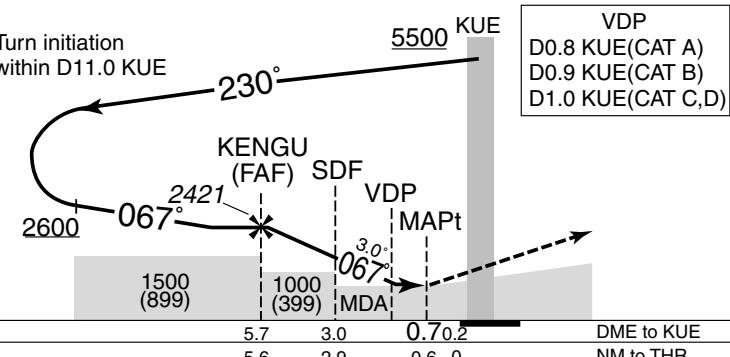


## MISSED APPROACH

Climb to 1000FT via KUE R067, turn left, climb to 3400FT on HDG252° to intercept and proceed via KUE R297 to KUE 12.0DME, turn left, proceed via KUE 14.0DME counterclockwise ARC to intercept and proceed via KUE R251 to MISMI and hold. Contact KUMAMOTO APP.

No turn before MAPt.

Timing not authorized for defining the MAPt.



| MINIMA |           | THR elev. 601 | AD elev. 632 |      |
|--------|-----------|---------------|--------------|------|
| CAT    | CIRCLING  |               |              |      |
|        | MDA(H)    | RVR/CMV       | MDA(H)       | VIS  |
| A      | 870 (269) | 800           | 1090 (458)   | 1600 |
| B      | 890 (289) |               |              |      |
| C      | 910 (309) | 1000          | 1100 (468)   | 2400 |
| D      |           | 1400          | 1190 (558)   | 3200 |

Circling to NORTH side of RWY only.

INSTRUMENT APPROACH CHART



**MISSED APPROACH**

Turn right, climb to 3400FT on HDG296° to intercept and proceed via KUE R251 to MISMI and hold.

Contact KUMAMOTO APP.



Missed APCH climb gradient MNM 4.6%

| MINIMA |            | AD elev. 632 |
|--------|------------|--------------|
| CAT    | CIRCLING   |              |
|        | MDA(H)     | VIS          |
| A      | 1090 (458) | 1600         |
| B      |            |              |
| C      | 1100 (468) | 2400         |
| D      | 1190 (558) | 3200         |

MINIMA with Missed APCH climb gradient of 2.5% are not established.  
Circling to NORTH side of RWY only.

## INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJFT / KUMAMOTO

RNAV(RNP) Z RWY25

RNAV(RNP) Z RWY25

Coding Table

| Serial Number | Path Descriptor                 | Waypoint Identifier | Fly Over | course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | VPA/RDH (°/FT) | RNP Value |
|---------------|---------------------------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|-----------|
| 001           | IF                              | ASONO               | —        | —             | -6.8               | —             | —              | +8000         | —            | —              | —         |
| 002           | TF                              | DIKAN               | —        | 279 (272.0)   | -6.8               | 8.6           | —              | —             | —            | —              | 1.0       |
| 003           | TF                              | BOCHU               | —        | 206 (199.6)   | -6.8               | 5.6           | —              | 4300          | -185         | —              | 1.0       |
| 004           | TF                              | FT550               | —        | 206 (199.6)   | -6.8               | 1.7           | —              | 3730          | -165         | -3.10          | 0.3       |
| 005           | RF Center:<br>FTRF1<br>r=2.77NM | FT551               | —        | —             | -6.8               | 3.1           | R              | 2711          | —            | -3.10          | 0.3       |
| 006           | TF                              | FT552               | —        | 270 (263.6)   | -6.8               | 1.7           | —              | 2159          | —            | -3.10          | 0.3       |
| 007           | RF Center:<br>FTRF2<br>r=2.77NM | FT553               | —        | —             | -6.8               | 0.9           | L              | 1858          | —            | -3.10          | 0.3       |
| 008           | TF                              | RW25                | Y        | 251 (244.5)   | -6.8               | 3.5           | —              | 692           | —            | -3.10/50       | 0.3       |
| 009           | TF                              | MISMI               | —        | 251 (244.5)   | -6.8               | 12.0          | —              | 3400          | —            | —              | 1.0       |

Waypoint Coordinates

| Waypoint Identifier | Coordinates            | RF Arc Center Identifier | Coordinates            |
|---------------------|------------------------|--------------------------|------------------------|
| ASONO               | 330058.11N/1311449.42E | FTRF1                    | 325518.34N/1305837.73E |
| DIKAN               | 330115.22N/1310438.68E | FTRF2                    | 324936.20N/1305722.87E |
| BOCHU               | 325600.39N/1310225.19E |                          |                        |
| FT550               | 325422.38N/1310143.69E |                          |                        |
| FT551               | 325232.83N/1305859.64E |                          |                        |
| FT552               | 325221.62N/1305700.92E |                          |                        |
| FT553               | 325206.61N/1305558.39E |                          |                        |
| RW25                | 325035.24N/1305210.28E |                          |                        |
| MISMI               | 324524.10N/1303916.73E |                          |                        |

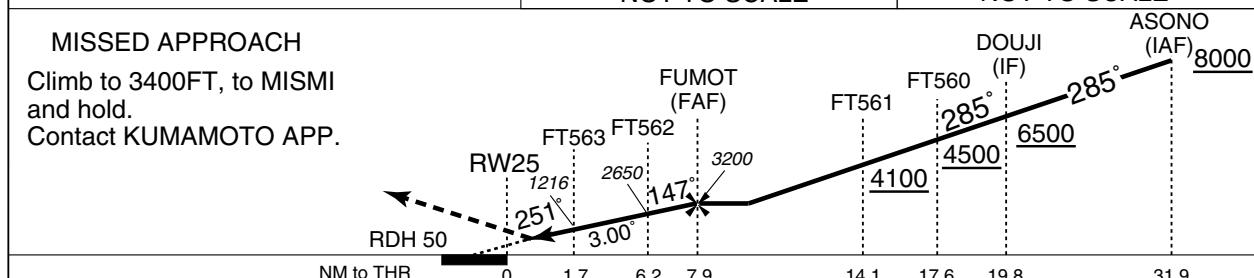
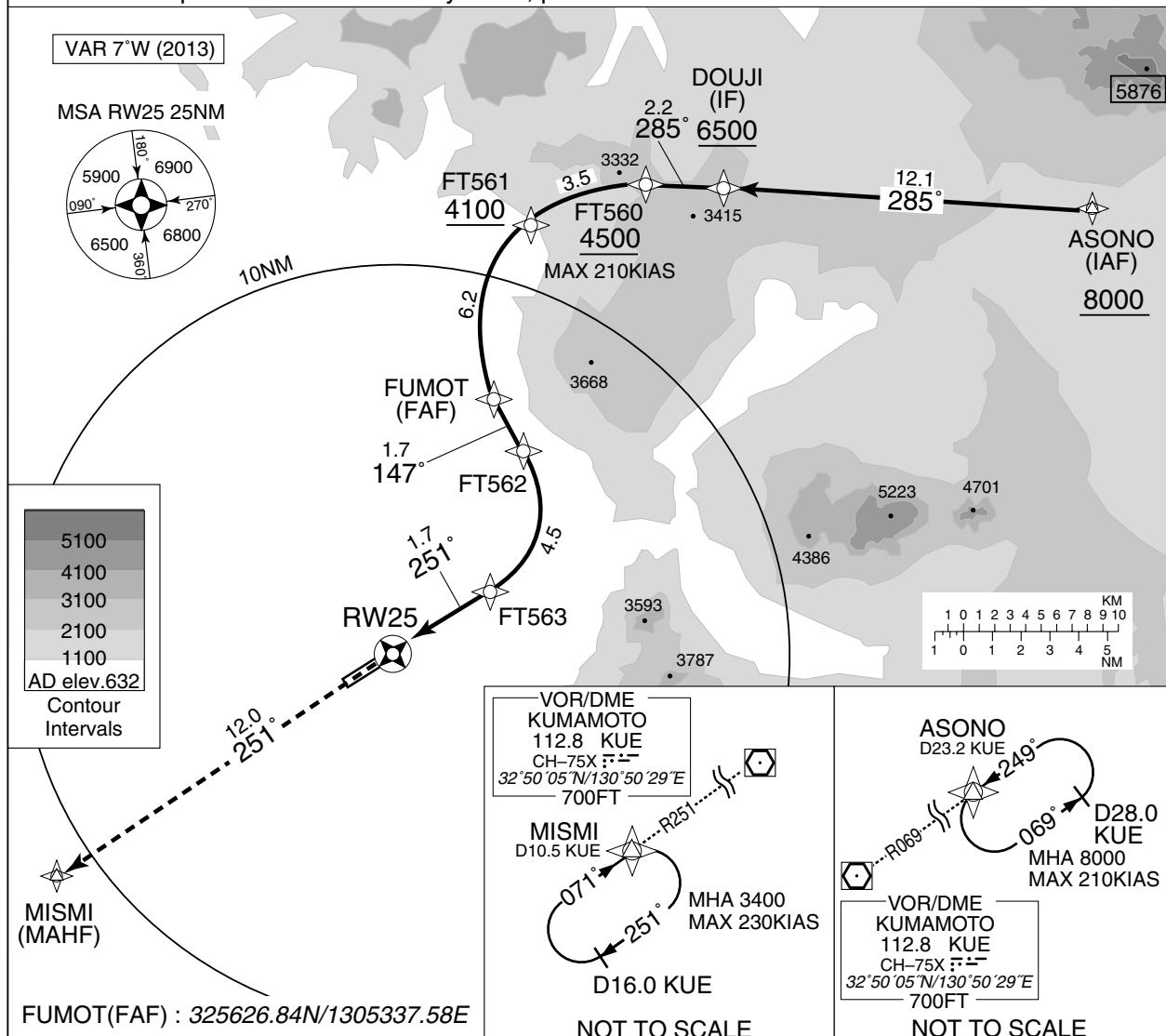
## INSTRUMENT APPROACH CHART

RJFT / KUMAMOTO

RNAV(RNP) Y RWY25

|  |                       |  |                          |
|--|-----------------------|--|--------------------------|
| KUMAMOTO APP<br>119.0 - 126.5<br>122.9 - 258.9 | GNSS and RF required. | KUMAMOTO TWR<br>118.7 - 126.2<br>122.9 - 258.9 | RADAR AVBL<br>ATIS 128.8 |
|--|-----------------------|--|--------------------------|

For uncompensated Baro-VNAV systems, procedure not authorized below -4°C / above 45°C



| MINIMA   | THR elev.642 | AD elev.632 |
|----------|--------------|-------------|
| RNP 0.30 |              |             |
| CAT      | DA(H)        | RVR/CMV     |
| A        | —            | —           |
| B        | —            | —           |
| C        | 942 (300)    | 1400        |
| D        | —            | 1600        |

**RNP AR****Special Authorization Required**

INSTRUMENT APPROACH CHART

RJFT / KUMAMOTO

RNAV(RNP) Y RWY25

RNAV(RNP) Y RWY25

Coding Table

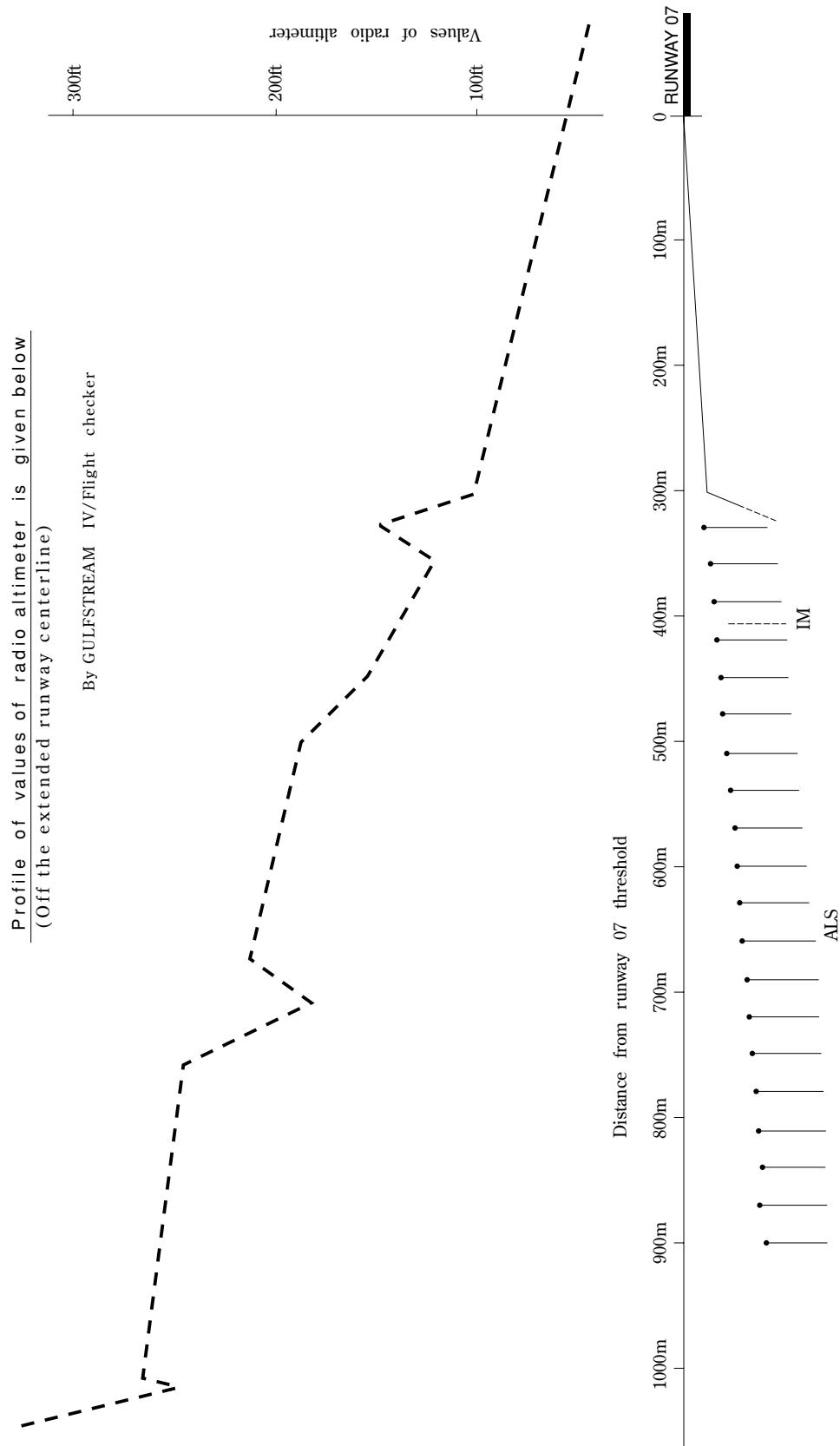
| Serial Number | Path Descriptor                 | Waypoint Identifier | Fly Over | course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | VPA/RDH ('/FT) | RNP Value |
|---------------|---------------------------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|-----------|
| 001           | IF                              | ASONO               | —        | —             | -6.8               | —             | —              | +8000         | —            | —              | —         |
| 002           | TF                              | DOUJI               | —        | 285 (278.4)   | -6.8               | 12.1          | —              | +6500         | —            | —              | 1.0       |
| 003           | TF                              | FT560               | —        | 285 (278.3)   | -6.8               | 2.2           | —              | +4500         | -210         | —              | 1.0       |
| 004           | RF Center:<br>FTRF3<br>r=4.04NM | FT561               | —        | —             | -6.8               | 3.5           | L              | +4100         | —            | —              | 1.0       |
| 005           | RF Center:<br>FTRF3<br>r=4.04NM | FUMOT               | —        | —             | -6.8               | 6.2           | L              | 3200          | —            | —              | 0.7       |
| 006           | TF                              | FT562               | —        | 147 (140.4)   | -6.8               | 1.7           | —              | 2650          | —            | -3.00          | 0.3       |
| 007           | RF Center:<br>FTRF4<br>r=2.47NM | FT563               | —        | —             | -6.8               | 4.5           | R              | 1216          | —            | -3.00          | 0.3       |
| 008           | TF                              | RW25                | Y        | 251 (244.5)   | -6.8               | 1.7           | —              | 692           | —            | -3.00/50       | 0.3       |
| 009           | TF                              | MISMI               | —        | 251 (244.5)   | -6.8               | 12.0          | —              | 3400          | —            | —              | 1.0       |

Waypoint Coordinates

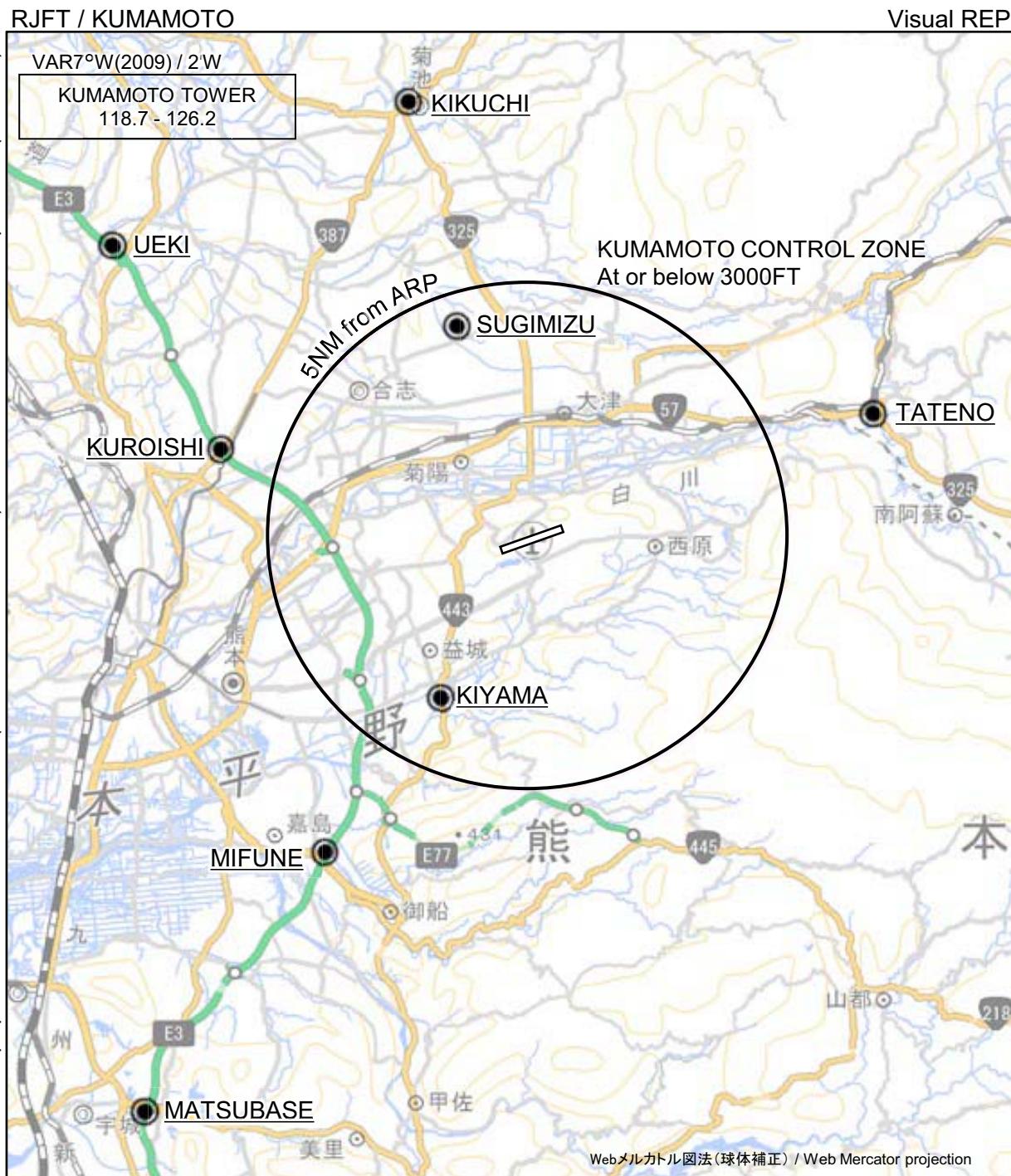
| Waypoint Identifier | Coordinates            | RF Arc Center Identifier | Coordinates            |
|---------------------|------------------------|--------------------------|------------------------|
| ASONO               | 330058.11N/1311449.42E | FTRF3                    | 325902.05N/1305719.25E |
| DOUJI               | 330243.56N/1310035.13E | FTRF4                    | 325331.98N/1305240.81E |
| FT560               | 330302.45N/1305800.60E |                          |                        |
| FT561               | 330204.49N/1305408.90E |                          |                        |
| FUMOT               | 325626.84N/1305337.58E |                          |                        |
| FT562               | 325506.96N/1305456.29E |                          |                        |
| FT563               | 325117.72N/1305356.28E |                          |                        |
| RW25                | 325035.24N/1305210.28E |                          |                        |
| MISMI               | 324524.10N/1303916.73E |                          |                        |

RJFT/KUMAMOTO

PROFILE OF VALUES OF RADIO ALTIMETER



CHANGE : Map updated. Visual REP established (KIKUCHI, MATSUBASE). Position of Visual REP in the plan view (TATENO).



※図中に標高を示す数字がある場合、単位はメートル(m)である。The unit of measurement used to express elevation is meter(m).

## RJFT / KUMAMOTO

Visual REP

| Call sign       | BRG / DIST from ARP | Remarks   |
|-----------------|---------------------|---|
| 植木<br>Ueki      | 305°T / 9.9NM       | 九州自動車道植木インターチェンジ<br>Kyushu expressway Ueki interchange                                |
| 黒石<br>Kuroishi  | 286°T / 6.2NM       | 九州自動車道と国道387号線との交点<br>Intersection of Kyushu expressway and national route 387        |
| 菊池<br>Kikuchi   | 345°T / 8.9NM       | NTT鉄塔(国道325号と国道387号の交点)<br>Antenna tower (Intersection of national route 325 and 387) |
| 杉水<br>Sugimizu  | 342°T / 4.5NM       | ゴルフ場(くまもと中央CC)<br>Golf course (Kumamoto Chuo CC)                                      |
| 立野<br>Tateno    | 070°T / 7.1NM       | 新阿蘇大橋<br>Bridge   |
| 木山<br>Kiyama    | 208°T / 3.6NM       | 木山川と国道443号との交点<br>Intersection of Kiyama river and national route 443                 |
| 御船<br>Mifune    | 212°T / 7.4NM       | 九州自動車道御船インターチェンジ<br>Kyushu expressway Mifune interchange                              |
| 松橋<br>Matsubase | 213°T / 13.6NM      | 九州自動車道松橋インターチェンジ<br>Kyushu expressway Matsubase interchange                           |

CHANGE : BRG/DIST from ARP. Visual REP established (KIKUCHI, MATSUBASE). Remarks (TATENO).

RJFT / KUMAMOTO

LDG CHART

