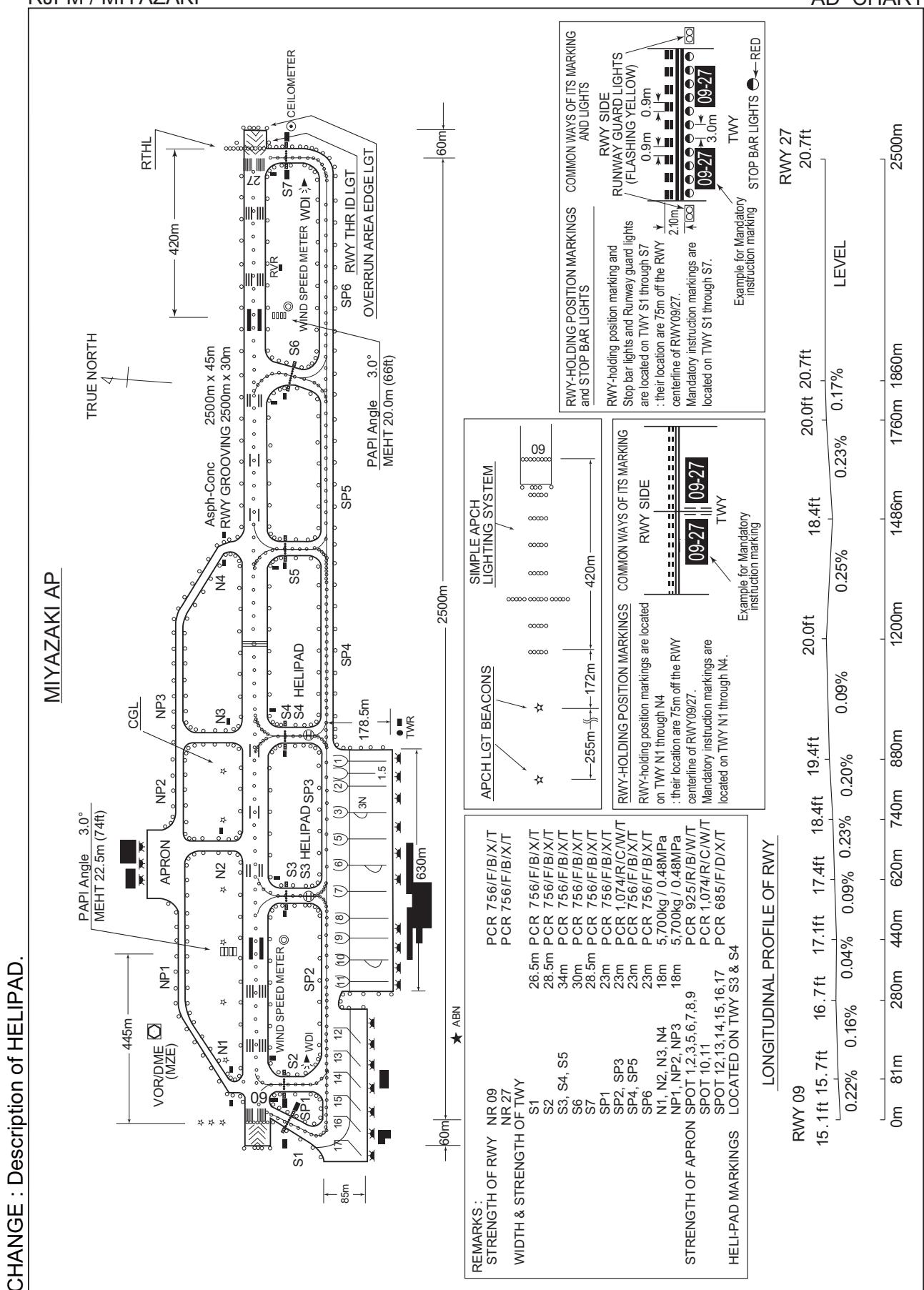


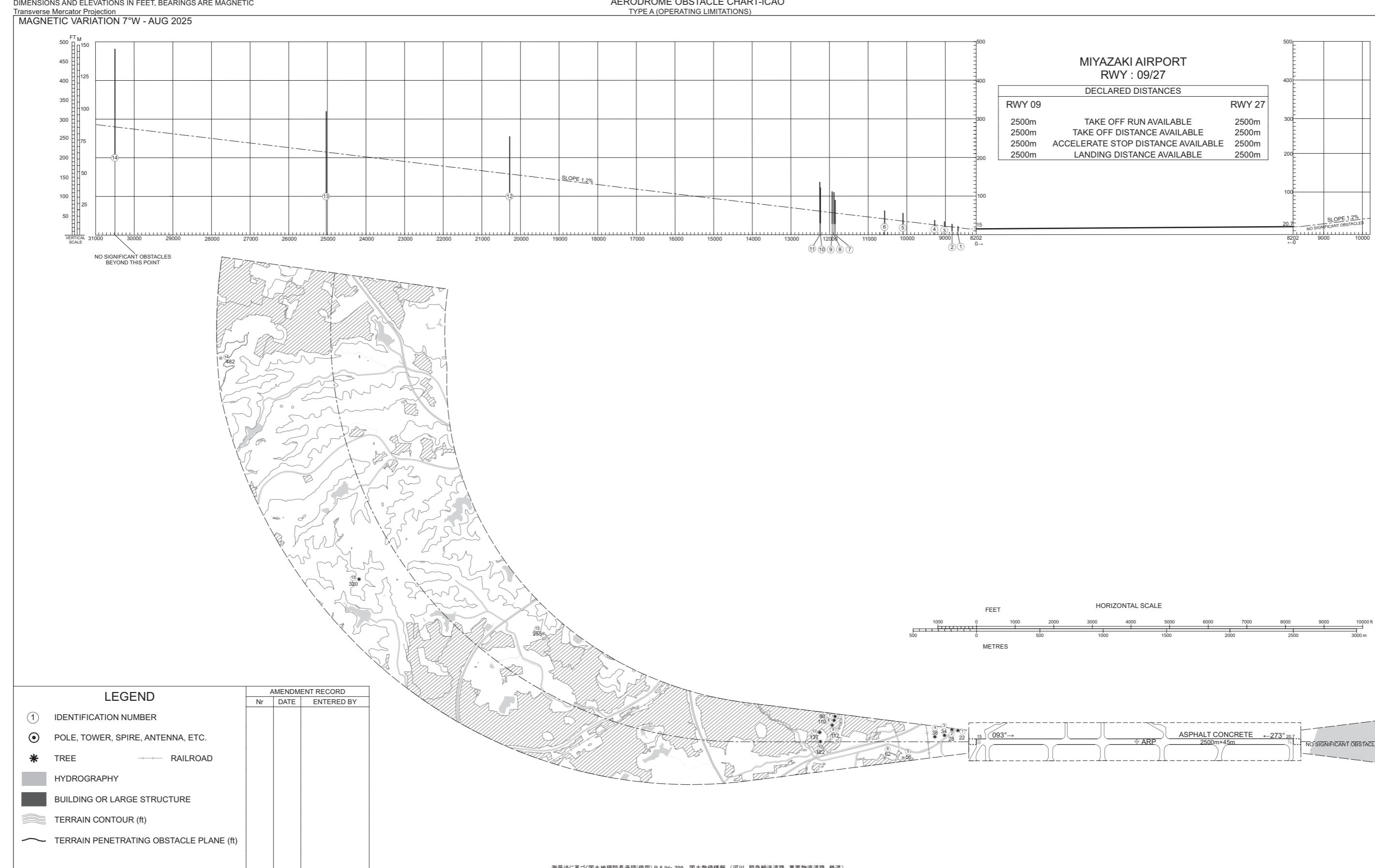
RJFM / MIYAZAKI

## AD CHART



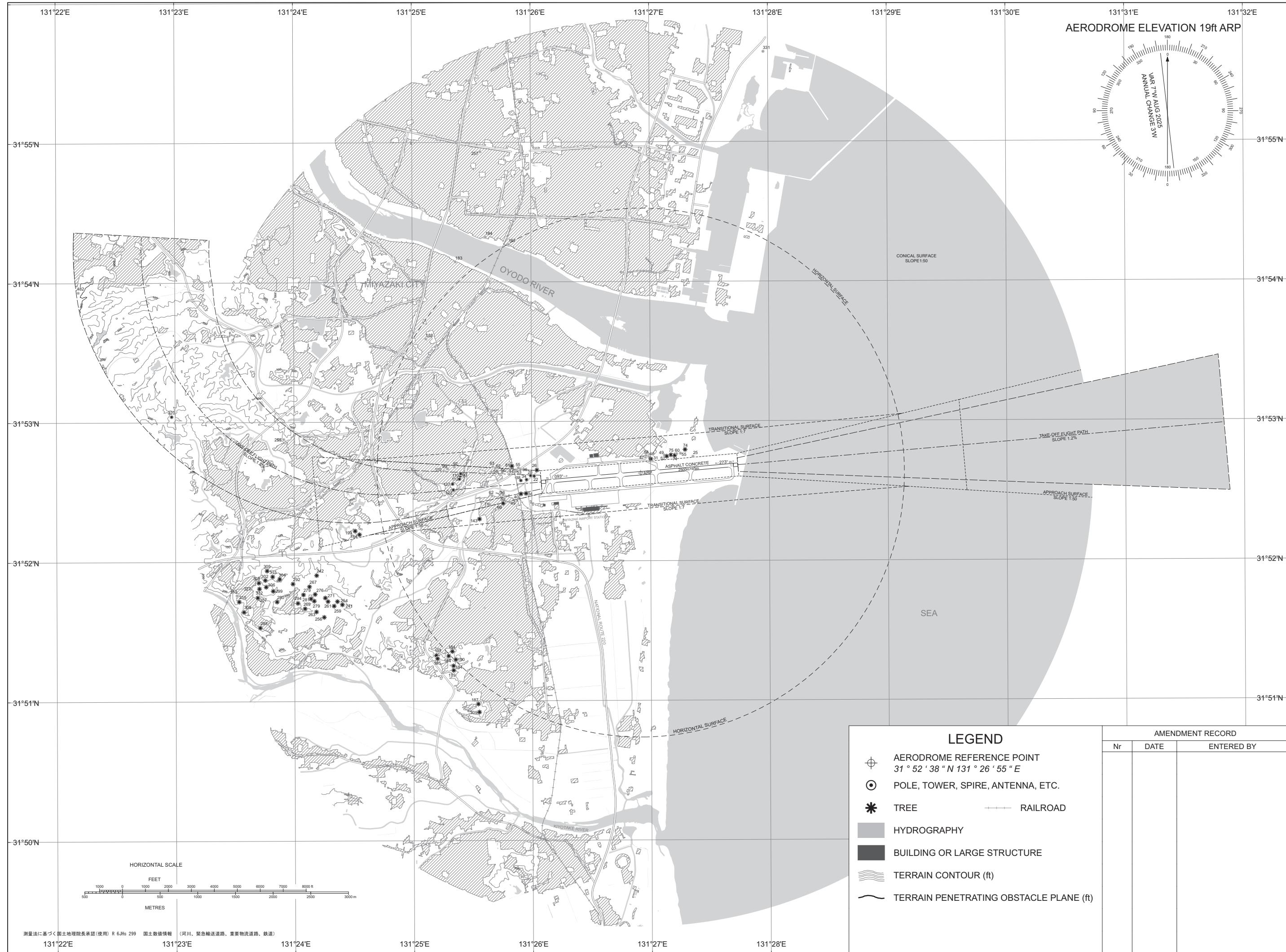
**INTENTIONALLY LEFT BLANK**

DIMENSIONS AND ELEVATIONS IN FEET, BEARINGS ARE MAGNETIC  
Transverse Mercator Projection



## AERODROME OBSTACLE CHART-ICAO TYPE B

DIMENSIONS AND ELEVATIONS IN FEET, BEARINGS ARE MAGNETIC  
Transverse Mercator Projection



CHANGE: Update.

STANDARD DEPARTURE CHART - INSTRUMENT

RJFM / MIYAZAKI

SID

SIIBA ONE DEPARTURE

RWY27 : Climb via MZE R275 to 6.0DME, turn right HDG060° to intercept and proceed via MZE R015 to SIIBA.

Cross MZE R345 at or above 6000FT.

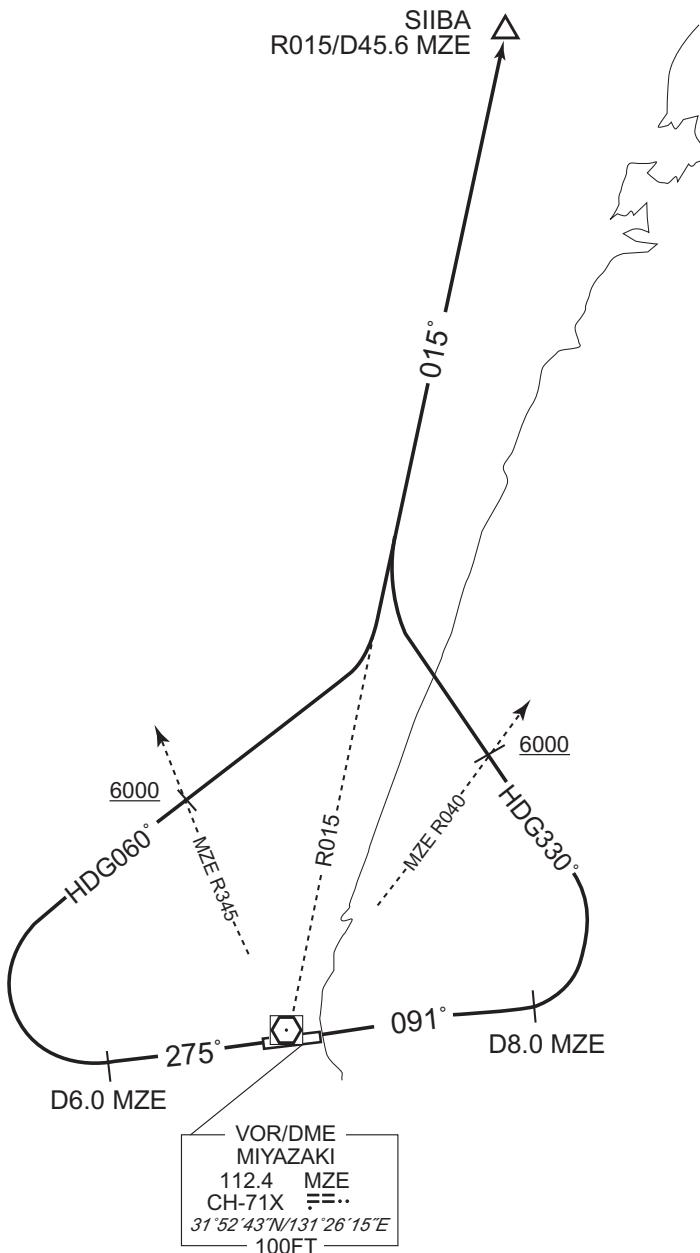
RWY09 : Climb via MZE R091 to 8.0DME, turn left HDG330° to intercept and proceed via MZE R015 to SIIBA.

Cross MZE R040 at or above 6000FT.

Note RWY27 : 5.0% climb gradient required up to 5000FT.

OBST ALT 1637FT located at 8.3NM 285° FM end of RWY27.

CHANGE : Description of PROC name.



## STANDARD DEPARTURE CHART - INSTRUMENT

RJFM / MIYAZAKI

SID

## LALAG ONE DEPARTURE

RWY27 : Climb via MZE R275 to 10.0DME, turn right HDG350°...

RWY09 : Climb RWY HDG to 1000FT, turn left HDG275°...

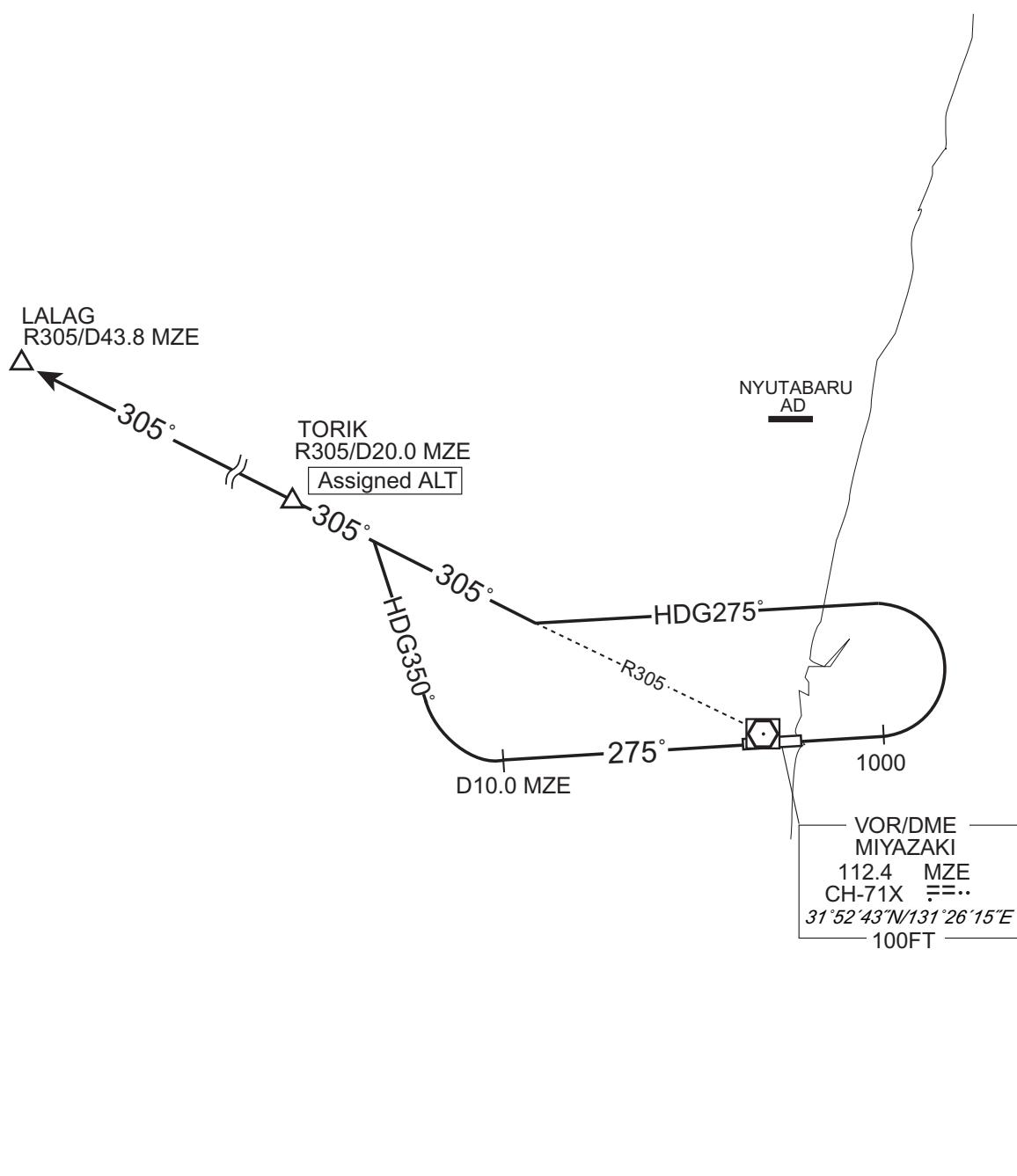
...to intercept and proceed via MZE R305 to LALAG via TORIK.

Cross TORIK at assigned altitude.

Note RWY27 : 5.0% climb gradient required up to 5000FT.

OBST ALT 152FT located at 0.7NM 276° FM end of RWY27.

RWY09 : 5.0% climb gradient required up to 1000FT.



STANDARD DEPARTURE CHART - INSTRUMENT

RJFM / MIYAZAKI

SID

MIYAZAKI REVERSAL ONE DEPARTURE

RWY 27 : Climb via MZE R275 to 10.0DME, turn right,...

RWY 09 : Turn right, climb via MZE R138 to 12.0DME, turn left,...  
...direct to MZE VOR/DME.

Note RWY27 : 5.0% climb gradient required up to 5000FT.

OBST ALT 152FT located at 0.7NM 276° FM end of RWY27.

JACKY ONE DEPARTURE

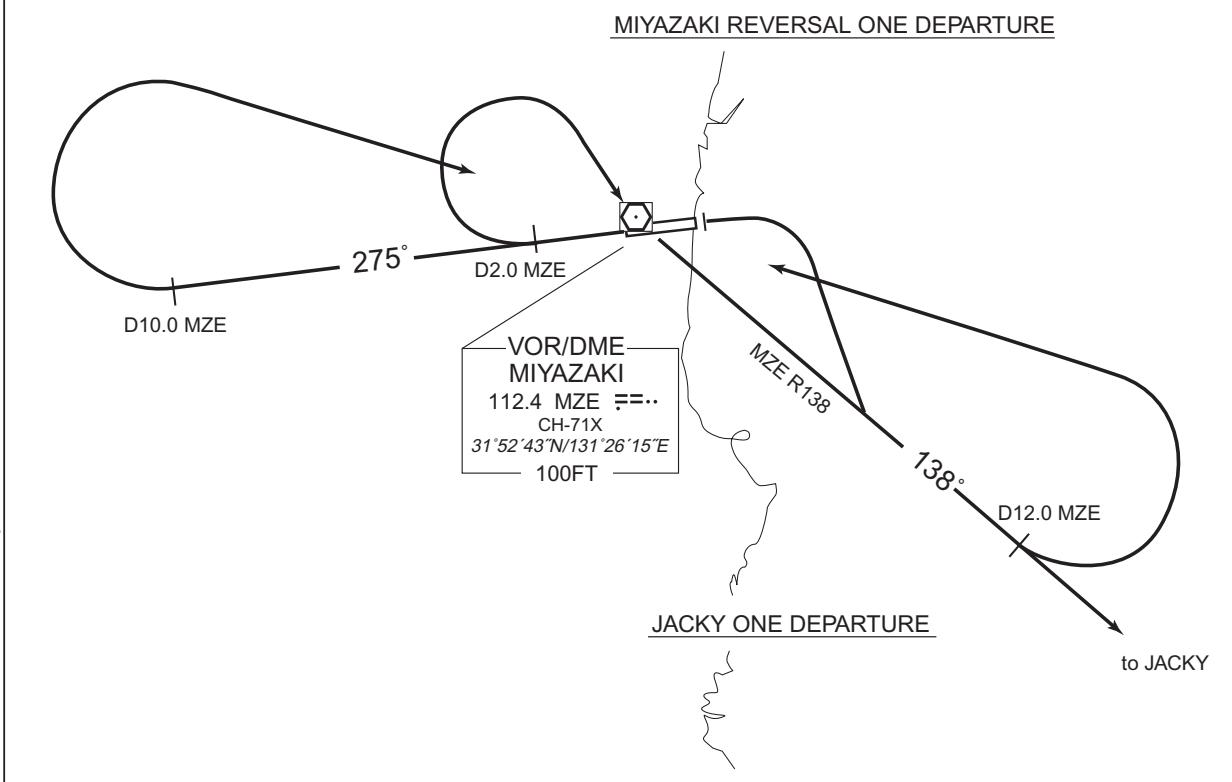
RWY 27 : Climb RWY HDG to MZE 2.0DME, turn right, direct to MZE VOR/DME,...

RWY 09 : Turn right, climb...  
...via MZE R138 to JACKY.

Note RWY27 : 5.0% climb gradient required up to 500FT.

OBST ALT 395FT located at 3.1NM 281° FM end of RWY27.

CHANGE : OBST(MIYAZAKI REVERSAL ONE DEPARTURE).



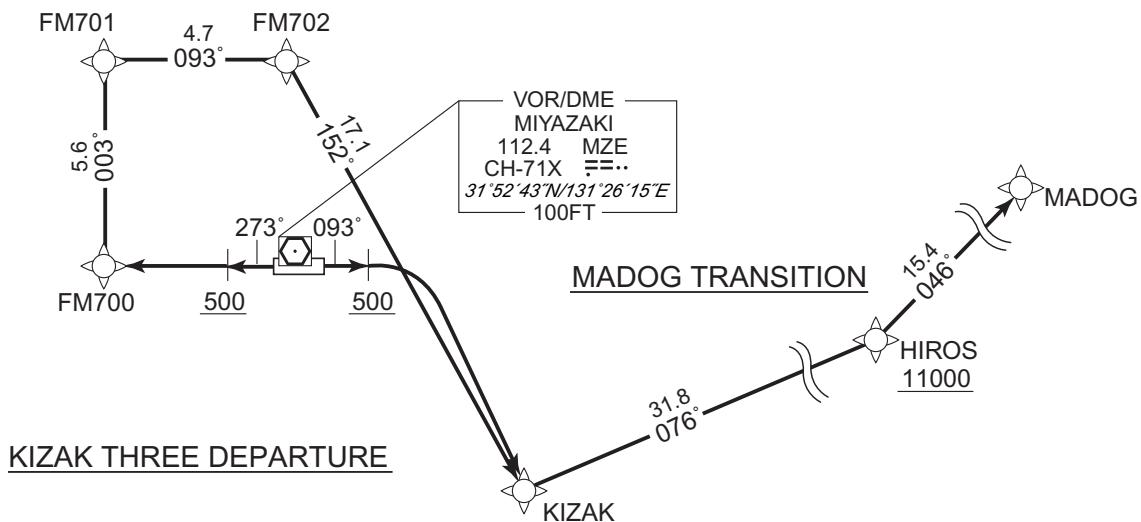
## STANDARD DEPARTURE CHART - INSTRUMENT

RJFM / MIYAZAKI

RNAV SID and TRANSITION

| KIZAK THREE DEPARTURE<br>MADOG TRANSITION   |                       | RNAV1  |
|---|-----------------------|--|
| 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          | RWY27<br>TGE : 4.0NM to KIZAK - KIZAK                        |
|   | DME GAP               | RWY09 : DER - 4.0NM to KIZAK<br>RWY27 : DER - 4.0NM to KIZAK |
|   | Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1            |

VAR 8° W



CHANGE : PROC renamed. VAR. PROC course.

KIZAK THREE DEPARTURE

RWY09 : Climb on HDG093° at or above 500FT, direct to KIZAK.

RWY27 : Climb on HDG273° at or above 500FT, direct to FM700, to FM701, to FM702, to KIZAK.

Note RWY09: 5.0% climb gradient required up to 500FT.

RWY27: 7.0% climb gradient required up to 900FT.

MADOG TRANSITION

From KIZAK, to HIROS at or above 11000FT, to MADOG.

## STANDARD DEPARTURE CHART - INSTRUMENT

RJFM / MIYAZAKI

RNAV SID and TRANSITION

KIZAK THREE DEPARTURE

## RWY09

| 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              | —                   | —        | 093 (085.2)   | -7.5               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | KIZAK               | —        | —             | -7.5               | —             | R              | —             | —            | —              | RNAV1                    |

## RWY27

| 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              | —                   | —        | 273 (265.2)   | -7.5               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | FM700               | —        | —             | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | FM701               | —        | 003 (355.2)   | -7.5               | 5.6           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | FM702               | —        | 093 (085.2)   | -7.5               | 4.7           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | KIZAK               | —        | 152 (144.5)   | -7.5               | 17.1          | —              | —             | —            | —              | RNAV1                    |

MADOG 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              | KIZAK               | —        | —             | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | HIROS               | —        | 076 (069.0)   | -7.5               | 31.8          | —              | +11000        | —            | —              | RNAV1                    |
| 003           | TF              | MADOG               | —        | 046 (038.4)   | -7.5               | 15.4          | —              | —             | —            | —              | RNAV1                    |

Waypoint Coordinates

| Waypoint Identifier | Coordinates            |
|---------------------|------------------------|
| FM700               | 315212.0N / 1312058.4E |
| FM701               | 315749.2N / 1312024.8E |
| FM702               | 315813.1N / 1312556.5E |
| KIZAK               | 314410.0N / 1313731.3E |
| HIROS               | 315530.2N / 1321230.5E |
| MADOG               | 320730.7N / 1322346.5E |

CHANGE : PROC renamed. PROC course. VAR. Waypoint Coordinates added.

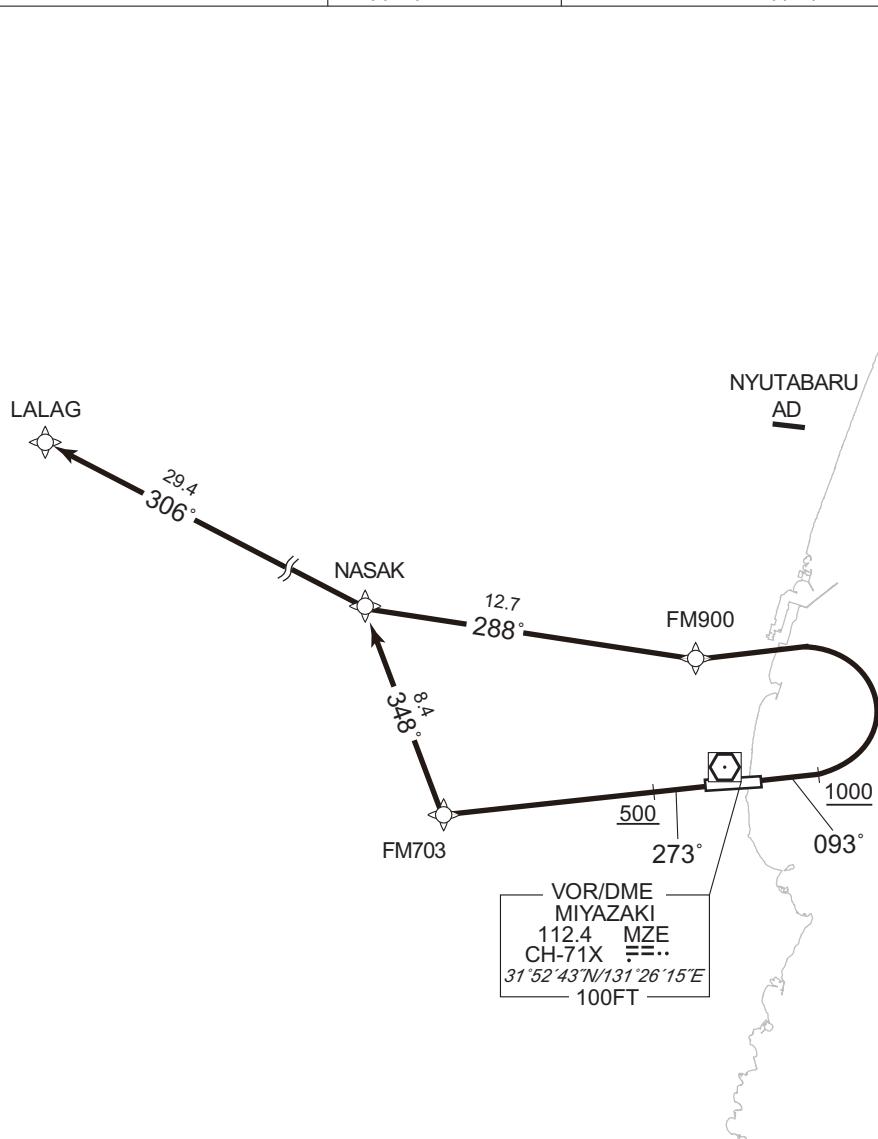
## STANDARD DEPARTURE CHART - INSTRUMENT

RJFM / MIYAZAKI

RNAV SID

| KIRISHIMA TWO DEPARTURE  |                       | 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. | Critical DME          | RWY09 : NHT : 2NM FM DER — 2NM to FM900<br>RWY27 : NHT : 5NM to FM703 — FM703 |
| 2 ) RADAR service required.  | DME GAP               | RWY09 : DER — 2NM FM DER<br>RWY27 : DER — 5NM to FM703                        |
|  | Inappropriate Navaids | See AD 1.1.6.10.3. Inappropriate NAVADS for RNAV1                             |

VAR 8°W



CHANGE : PROC renamed. VAR. PROC course.

RWY09 : Climb on HDG093° at or above 1000FT, turn left direct to FM900, to NASAK, to LALAG.

RWY27 : Climb on HDG273° at or above 500FT, direct to FM703, to NASAK, to LALAG.

Note RWY09 : 5.0% climb gradient required up to 1000FT.

RWY27 : 5.0% climb gradient required up to 5000FT.

OBST ALT 152FT located at 0.7NM 276° FM end of RWY27.

## STANDARD DEPARTURE CHART - INSTRUMENT

RJFM / MIYAZAKI

RNAV SID

KIRISHIMA TWO DEPARTURE

RWY09

| 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              | —                   | —        | 093 (085.2)   | -7.5               | —             | —              | +1000         | —            | —              | RNAV1                    |
| 002           | DF              | FM900               | —        | —             | -7.5               | —             | L              | —             | —            | —              | RNAV1                    |
| 003           | TF              | NASAK               | —        | 288 (280.1)   | -7.5               | 12.7          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | LALAG               | —        | 306 (298.6)   | -7.5               | 29.4          | —              | —             | —            | —              | RNAV1                    |

RWY27

| 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              | —                   | —        | 273 (265.2)   | -7.5               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | FM703               | —        | —             | -7.5               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | NASAK               | —        | 348 (340.6)   | -7.5               | 8.4           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | LALAG               | —        | 306 (298.6)   | -7.5               | 29.4          | —              | —             | —            | —              | RNAV1                    |

Waypoint Coordinates

| Waypoint Identifier | Coordinates            |
|---------------------|------------------------|
| FM900               | 315726.5N / 1312601.1E |
| FM703               | 315144.1N / 1311433.9E |
| NASAK               | 315939.9N / 1311116.4E |
| LALAG               | 321338.3N / 1304049.6E |

CHANGE : PROC renamed. PROC course. VAR. Waypoint Coordinates added.

STANDARD ARRIVAL CHART - INSTRUMENT

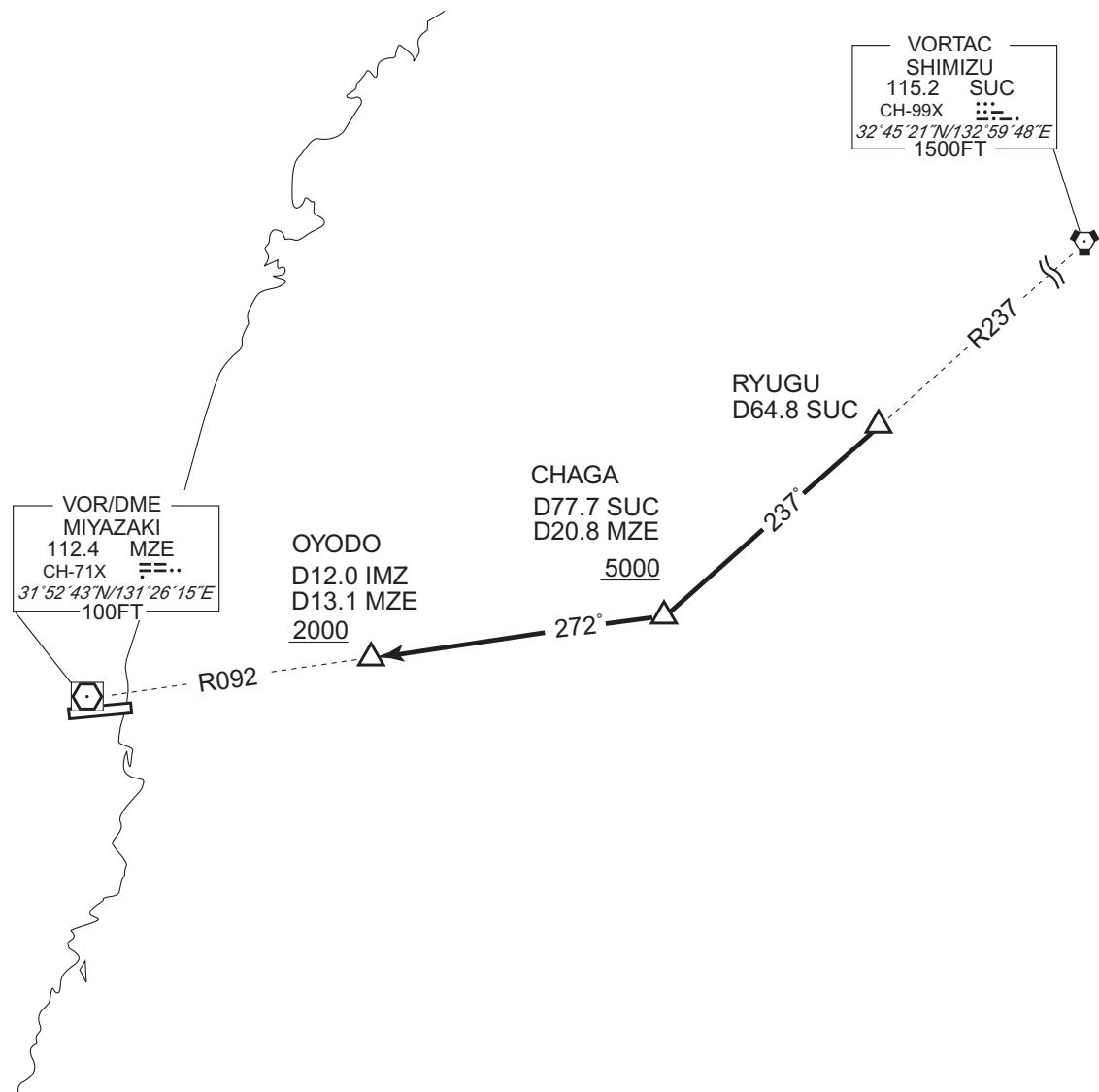
RJFM / MIYAZAKI

STAR

OTOHIME ARRIVAL

From over RYUGU, via SUC R237 to CHAGA, via MZE R092 to OYODO.  
Cross CHAGA at or above 5000FT, cross OYODO at or above 2000FT.

CHANGE : Description of PROC name.



## STANDARD ARRIVAL CHART - INSTRUMENT

RJFM / MIYAZAKI

RNAV STAR

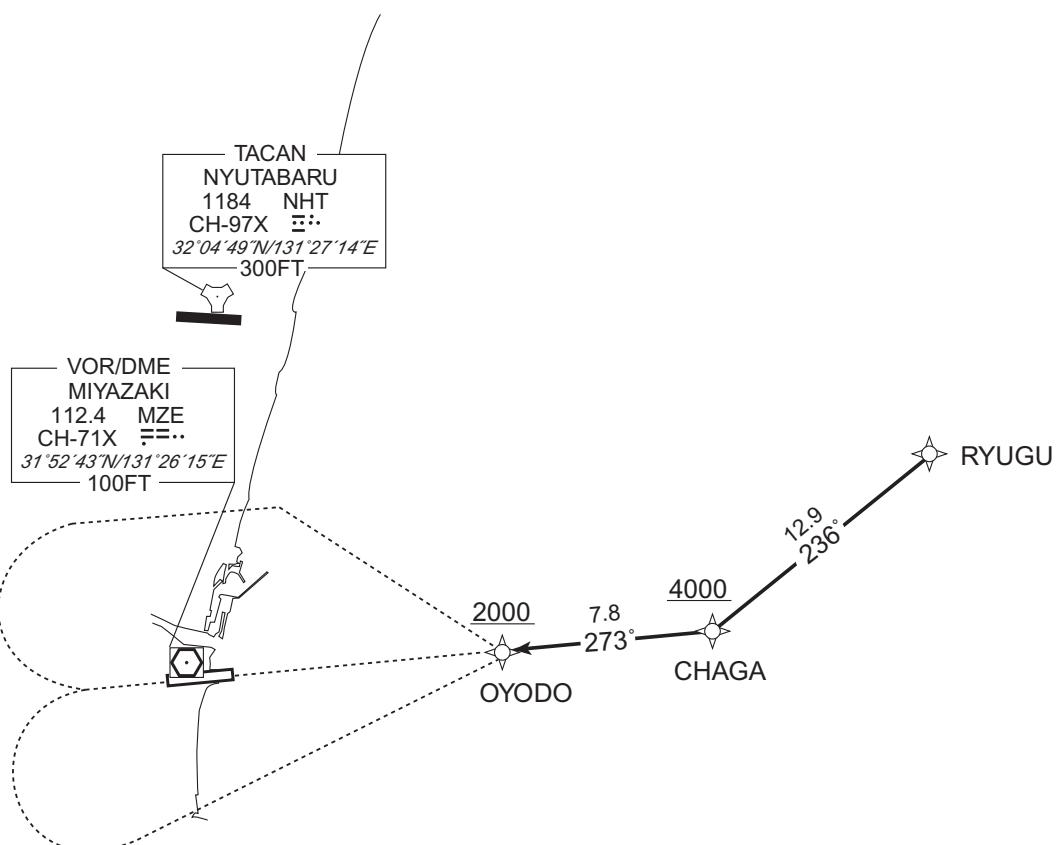
## RYUGU ARRIVAL

RNAV1

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

2) RADAR service required.

VAR 8°W



From RYUGU, to CHAGA at or above 4000FT, to OYODO at or above 2000FT.

|                       |   |
|-----------------------|---|
| Critical DME          | -   |
| DME GAP               | -   |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

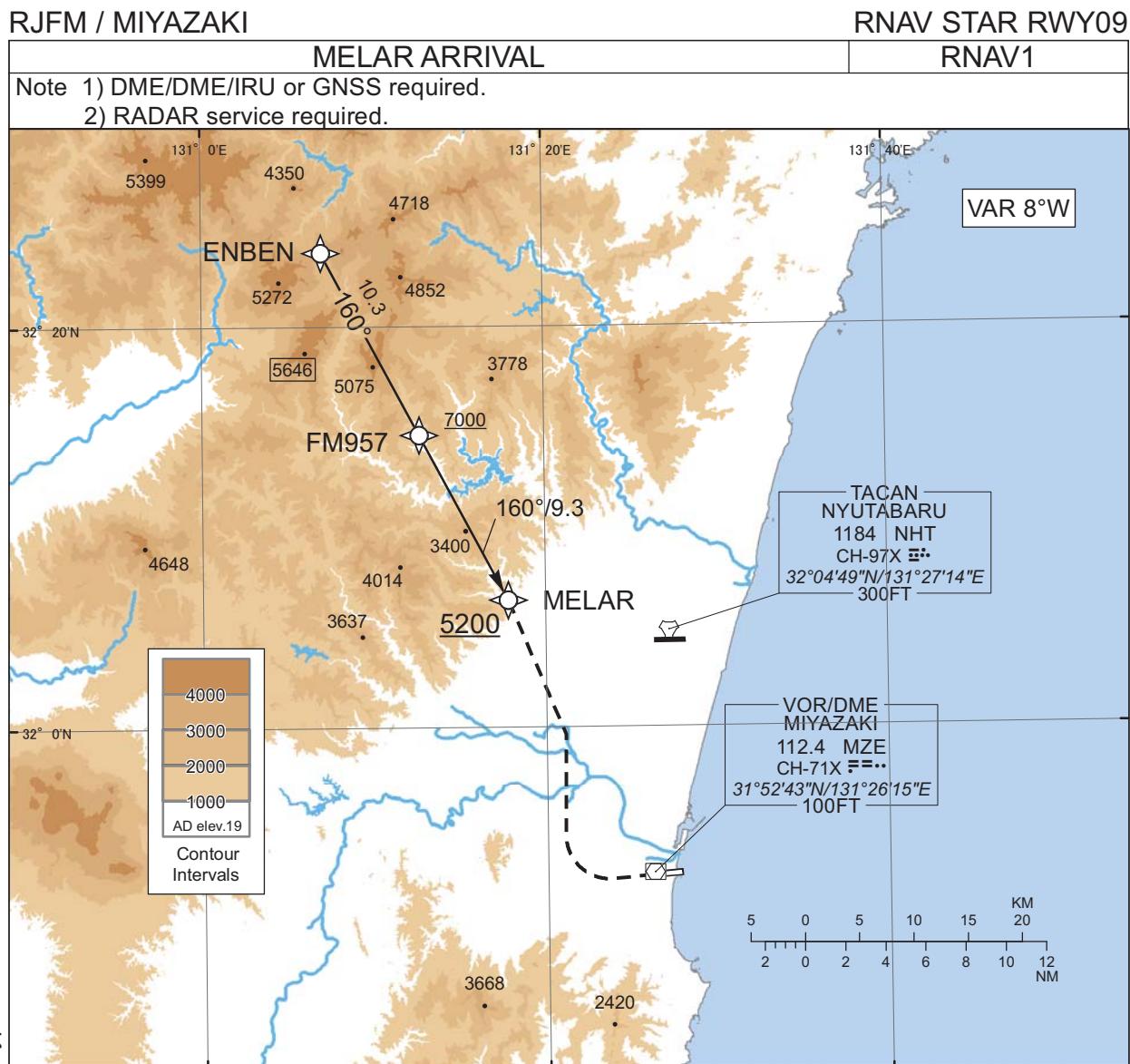
CHANGE : VAR. Waypoint Coordinates added.

| 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              | RYUGU               | -        | -            | -7.5               | -             | -              | -             | -            | -              | RNAV1                    |
| 002           | TF              | CHAGA               | -        | 236 (228.6)  | -7.5               | 12.9          | -              | +4000         | -            | -              | RNAV1                    |
| 003           | TF              | OYODO               | -        | 273 (266.0)  | -7.5               | 7.8           | -              | +2000         | -            | -              | RNAV1                    |

## Waypoint Coordinates

| Waypoint Identifier | Coordinates            |
|---------------------|------------------------|
| RYUGU               | 320245.9N / 1320203.9E |
| CHAGA               | 315413.6N / 1315040.6E |
| OYODO               | 315340.5N / 1314134.3E |

## STANDARD ARRIVAL CHART - INSTRUMENT



From ENBEN, to FM957 at or above 7000FT, to MELAR at or above 5200FT.

|                       |   |
|-----------------------|---|
| Critical DME          | -   |
| DME GAP               | -   |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

| 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              | ENBEN               | -        | -             | -7.5               | -             | -              | -             | -            | -              | RNAV1                    |
| 002           | TF              | FM957               | -        | 160 (152.2)   | -7.5               | 10.3          | -              | +7000         | -            | -              | RNAV1                    |
| 003           | TF              | MELAR               | -        | 160 (152.3)   | -7.5               | 9.3           | -              | +5200         | -            | -              | RNAV1                    |

## Waypoint Coordinates

| Waypoint Identifier | Coordinates            |
|---------------------|------------------------|
| ENBEN               | 322342.1N / 1310702.4E |
| FM957               | 321435.2N / 1311243.0E |
| MELAR               | 320620.1N / 1311750.2E |

CHANGE : PROC renamed. PROC course. VAR. Waypoint Coordinates added.

## STANDARD ARRIVAL CHART - INSTRUMENT

RJFM / MIYAZAKI

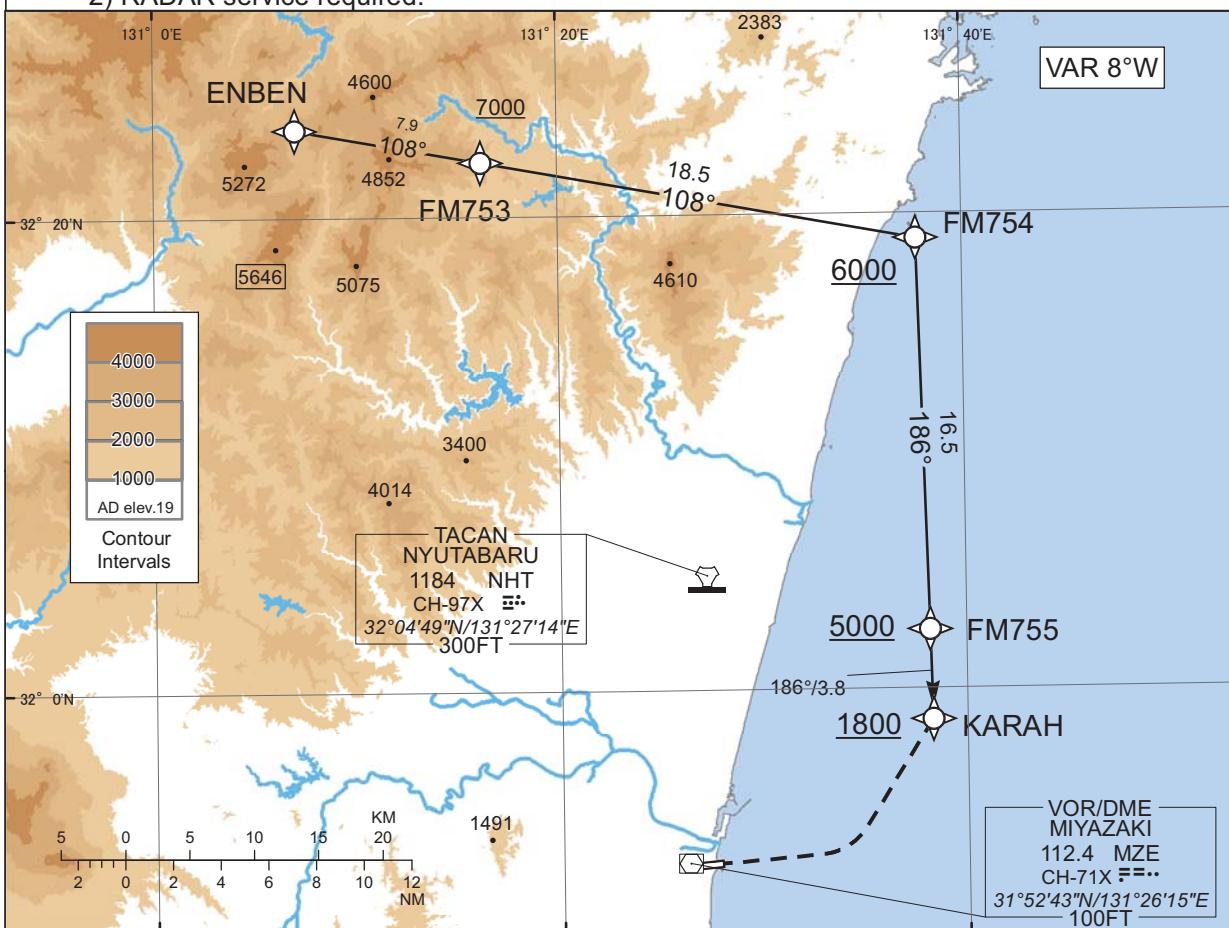
RNAV STAR RWY27

## KARAH ARRIVAL

RNAV1

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

2) RADAR service required.



From ENBEN, to FM753 at or above 7000FT, to FM754 at or above 6000FT,  
to FM755 at or above 5000FT, to KARAH at or above 1800FT.

|                       |   |
|-----------------------|---|
| Critical DME          | SUC : 15NM to FM754 - 10NM to FM755<br>MZE : 14NM to FM755 - 2NM to FM755<br>NHT : 5NM to FM755 - KARAH |
| DME GAP               | -   |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDS for RNAV1   |

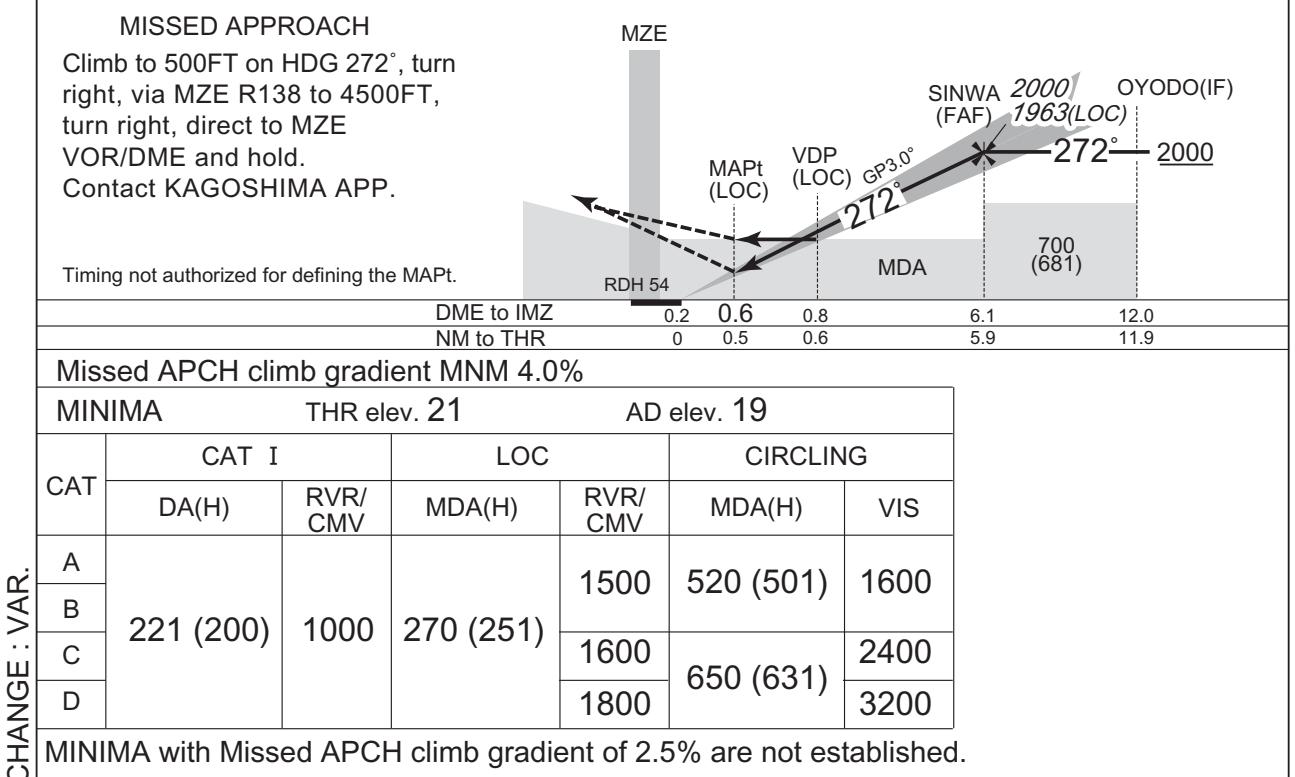
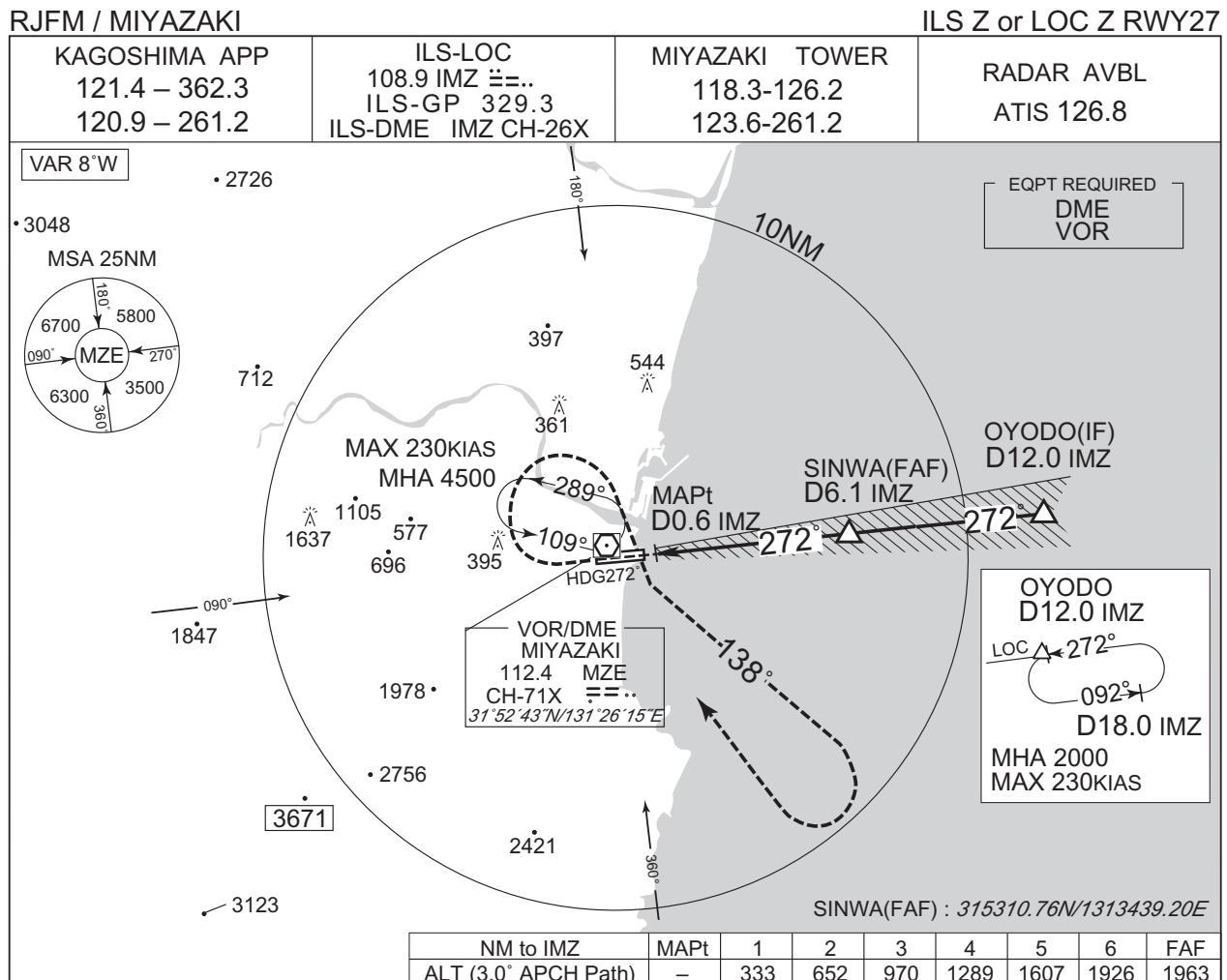
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | ENBEN               | -        | -             | -7.5               | -             | -              | -             | -            | -              | RNAV1                    |
| 002           | TF              | FM753               | -        | 108 (100.3)   | -7.5               | 7.9           | -              | +7000         | -            | -              | RNAV1                    |
| 003           | TF              | FM754               | -        | 108 (100.3)   | -7.5               | 18.5          | -              | +6000         | -            | -              | RNAV1                    |
| 004           | TF              | FM755               | -        | 186 (178.6)   | -7.5               | 16.5          | -              | +5000         | -            | -              | RNAV1                    |
| 005           | TF              | KARAH               | -        | 186 (178.6)   | -7.5               | 3.8           | -              | +1800         | -            | -              | RNAV1                    |

## Waypoint Coordinates

| Waypoint Identifier | Coordinates            | Waypoint Identifier | Coordinates            |
|---------------------|------------------------|---------------------|------------------------|
| ENBEN               | 322342.1N / 1310702.4E | FM755               | 320228.4N / 1313812.1E |
| FM753               | 322217.4N / 1311613.8E | KARAH               | 315841.4N / 1313818.6E |
| FM754               | 321856.5N / 1313743.8E |                     |                        |

CHANGE : PROC renamed. PROC course. VAR. Waypoint Coordinates added.

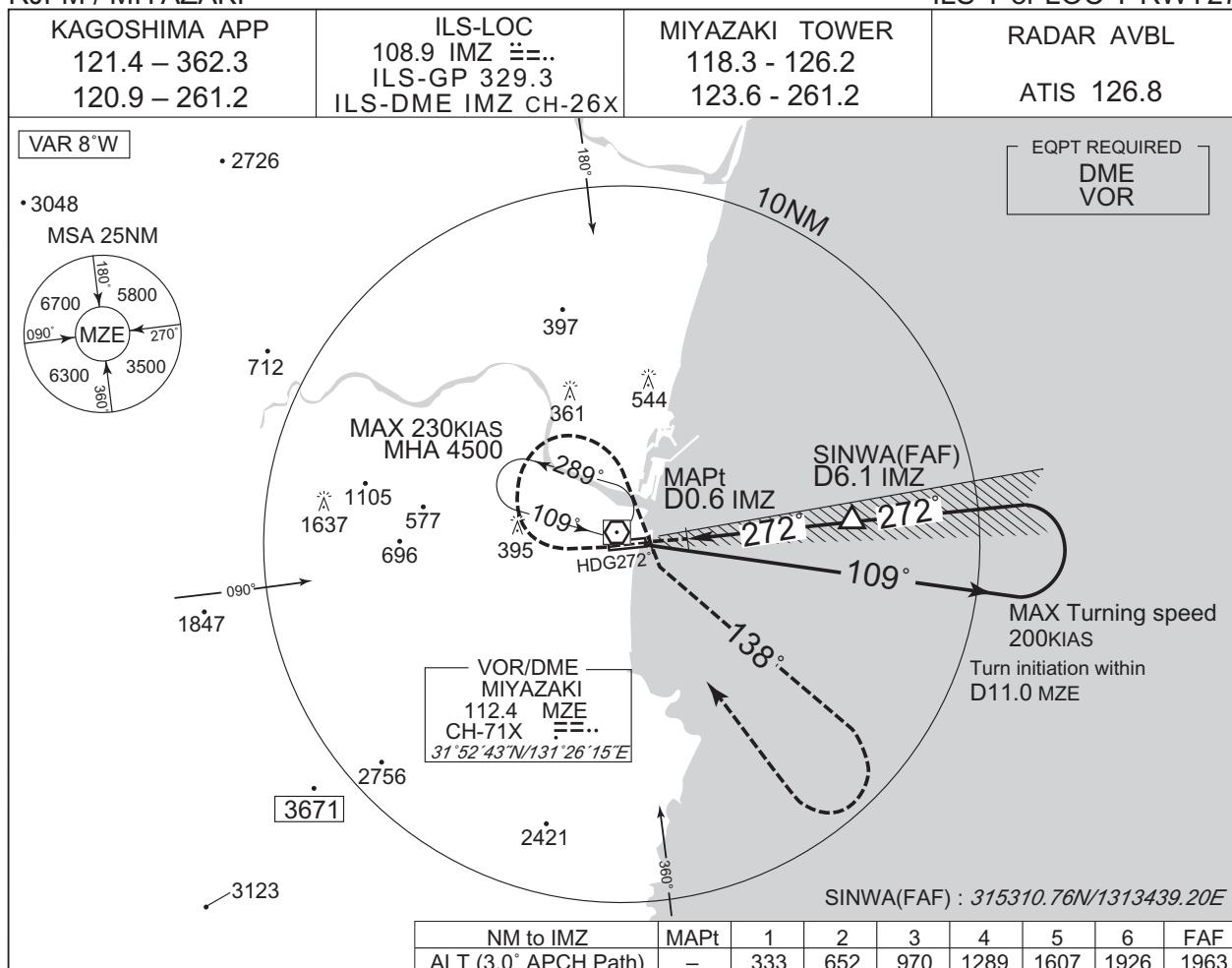
## INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART

RJFM / MIYAZAKI

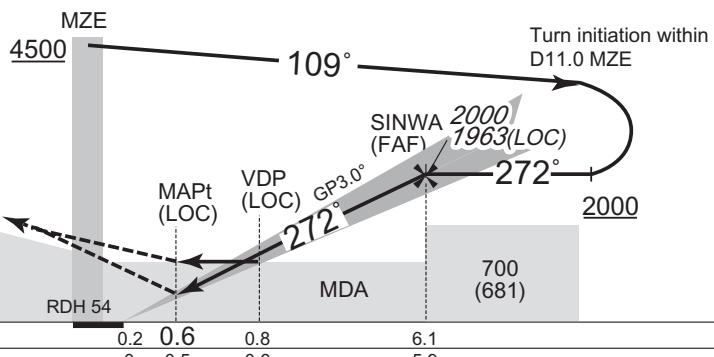
ILS Y or LOC Y RWY27



## MISSSED APPROACH

Climb to 500FT on HDG 272°, turn right, via MZE R138 to 4500FT, turn right, direct to MZE VOR/DME and hold. Contact KAGOSHIMA APP.

Timing not authorized for defining the MAPt.



Missed APCH climb gradient MNM 4.0%

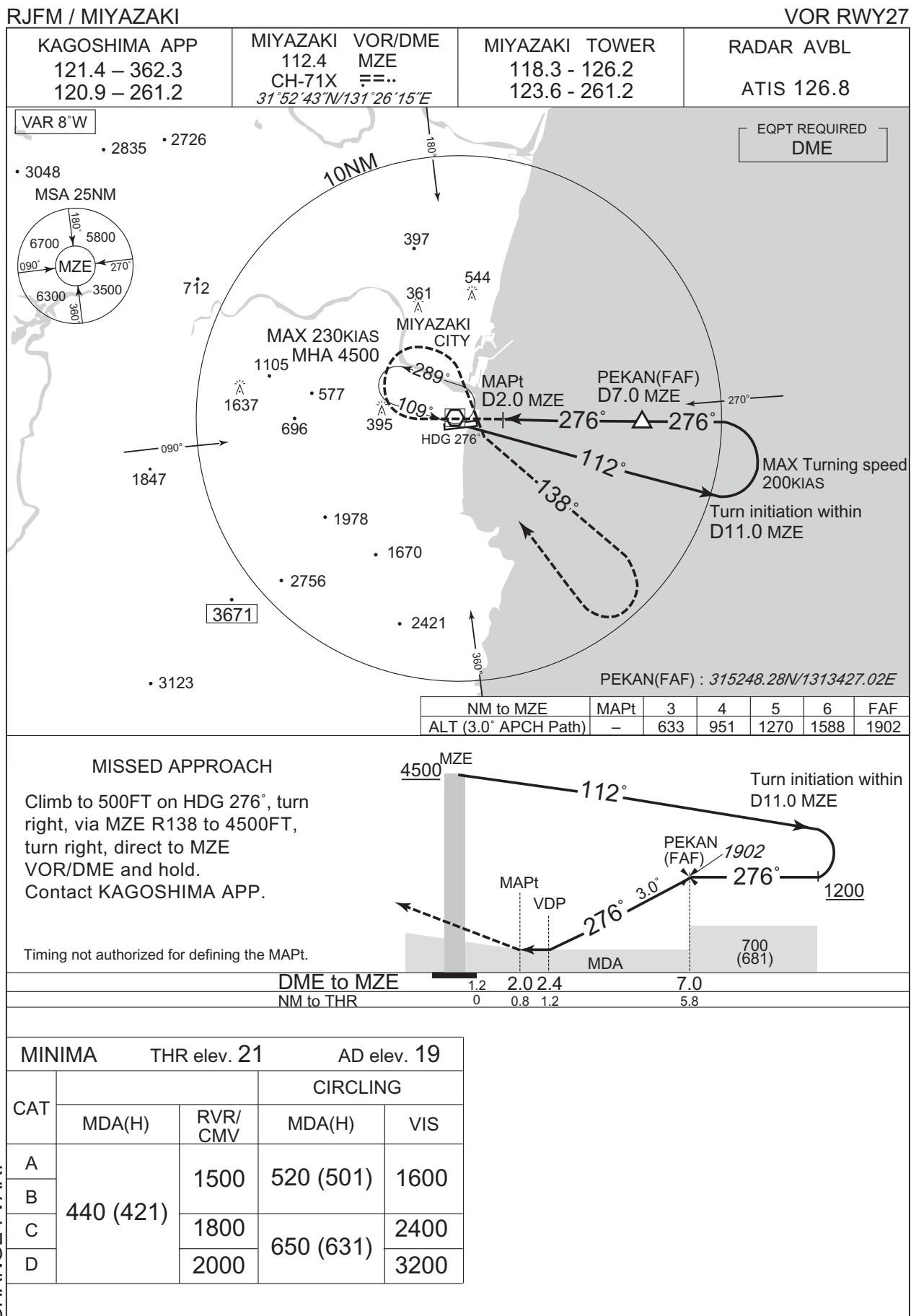
MINIMA THR elev. 21 AD elev. 19

CHANGE : VAR.

| CAT | CAT I     |         | LOC       |         | CIRCLING  |      |
|-----|-----------|---------|-----------|---------|-----------|------|
|     | DA(H)     | RVR/CMV | MDA(H)    | RVR/CMV | MDA(H)    | VIS  |
| A   |           |         |           | 1500    | 520 (501) | 1600 |
| B   | 221 (200) | 1000    | 270 (251) | 1600    | 650 (631) | 2400 |
| C   |           |         |           | 1800    |           | 3200 |
| D   |           |         |           |         |           |      |

MINIMA with Missed APCH climb gradient of 2.5% are not established.

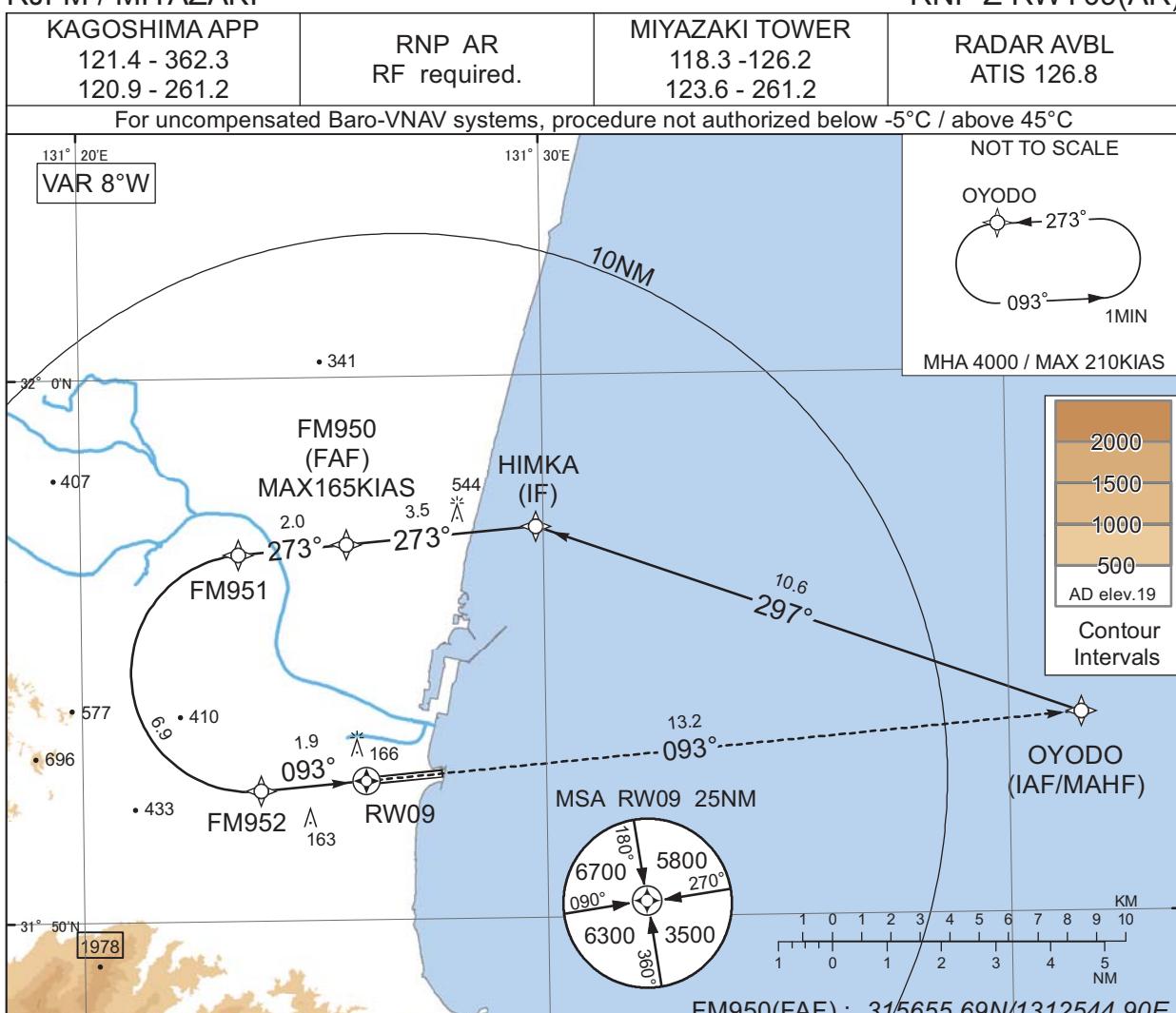
## INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART

RJFM / MIYAZAKI

RNP Z RWY09(AR)



OYODO

(IAF)

HIMKA

(IF)

FM950

(FAF)

FM951

297°  
3500  
273°  
3500  
273°  
2865  
3.00°  
273°  
FM952  
684  
RW09  
093°  
RDH 50

## MISSSED APPROACH

Climb to 4000FT, to OYODO and hold.

Contact KAGOSHIMA APP.

| MINIMA |          | THR elev. 15 | AD elev. 19 |
|--------|----------|--------------|-------------|
| CAT    | RNP 0.30 |              |             |
|        | DA(H)    | CMV          |             |
| A      | -        | -            |             |
| B      |          |              |             |
| C      | 327(312) | 1400         |             |
| D      |          | 1600         |             |

**Authorization Required**

CHANGE : VAR. PROC course. HLDG pattern at OYODO.

## INSTRUMENT APPROACH CHART

RJFM / MIYAZAKI

RNP Z RWY09(AR)

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                              | OYODO               | -        | -             | -7.5               | -             | -              | +4000         | -            | -              | -         |
| 002           | TF                              | HIMKA               | -        | 297 (289.7)   | -7.5               | 10.6          | -              | +3500         | -            | -              | 1.0       |
| 003           | TF                              | FM950               | -        | 273 (265.2)   | -7.5               | 3.5           | -              | 3500          | -165         | -              | 1.0       |
| 004           | TF                              | FM951               | -        | 273 (265.2)   | -7.5               | 2.0           | -              | 2865          | -            | -3.00          | 0.3       |
| 005           | RF Center:<br>FMRF1<br>r=2.18NM | FM952               | -        | -             | -7.5               | 6.9           | L              | 684           | -            | -3.00          | 0.3       |
| 006           | TF                              | RW09                | Y        | 093 (085.1)   | -7.5               | 1.9           | -              | 65            | -            | -3.00/50       | 0.3       |
| 007           | TF                              | OYODO               | -        | 093 (085.1)   | -7.5               | 13.2          | -              | 4000          | -            | -              | 1.0       |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | RNP Value |
|------|---------------------|-----------------------|--------------------|---------------------|----------------|-----------------------|-----------------------|--------------|-----------|
| Hold | OYODO               | 273 (265.9)           | -7.5               | 1.0 (-14000)        | L              | 4000                  | FL140                 | -210(-14000) | 1.0       |

Waypoint Coordinates

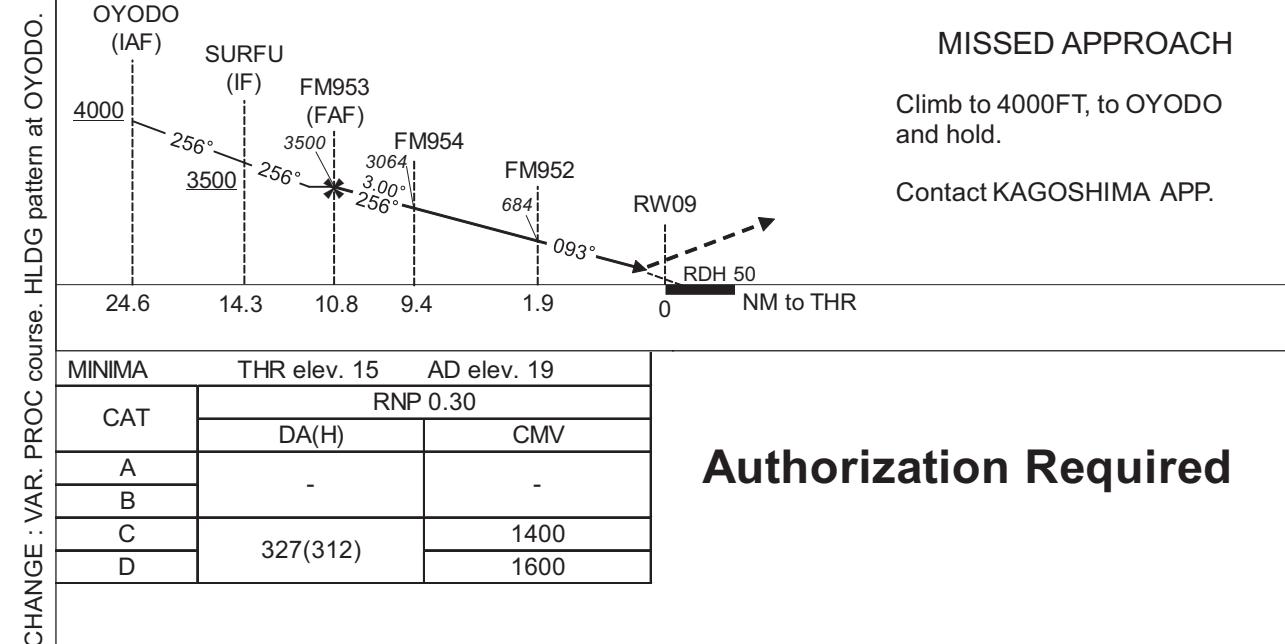
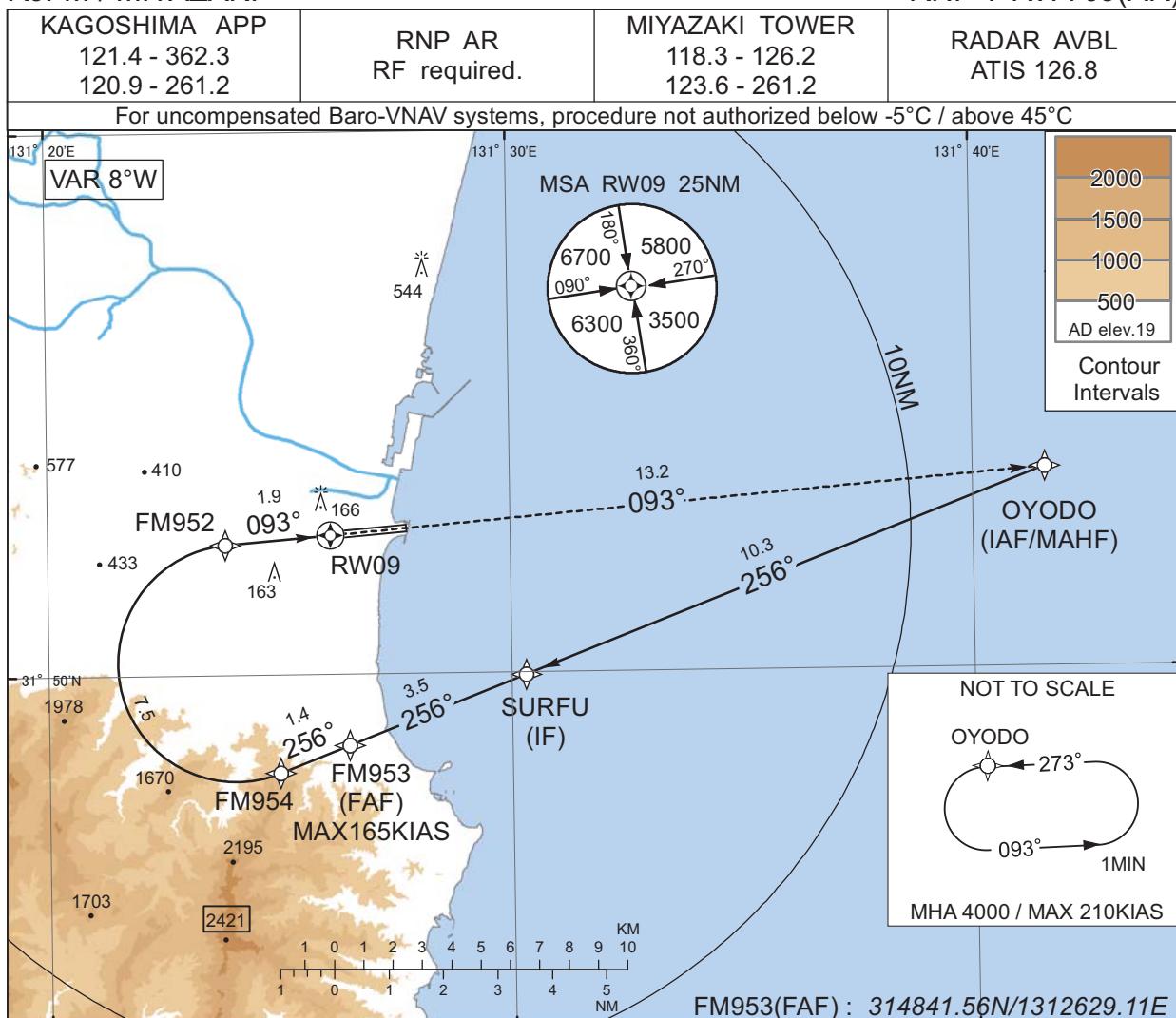
| Waypoint Identifier | Coordinates              | RF Arc Center Identifier | Coordinates              |
|---------------------|--------------------------|--------------------------|--------------------------|
| HIMKA               | 315713.28N / 1312950.79E | FMRF1                    | 315435.02N / 1312337.63E |
| FM950               | 315655.69N / 1312544.90E |                          |                          |
| FM951               | 315645.60N / 1312324.68E |                          |                          |
| FM952               | 315224.44N / 1312350.57E |                          |                          |
| RW09                | 315234.26N / 1312607.02E |                          |                          |
| OYODO               | 315340.52N / 1314134.32E |                          |                          |

CHANGE : PROC course. VAR. HLDG pattern at OYODO added.

## INSTRUMENT APPROACH CHART

RJFM / MIYAZAKI

RNP Y RWY09(AR)



## INSTRUMENT APPROACH CHART

RJFM / MIYAZAKI

RNP Y RWY09(AR)

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                              | OYODO               | -        | -             | -7.5               | -             | -              | +4000         | -            | -              | -         |
| 002           | TF                              | SURFU               | -        | 256 (248.8)   | -7.5               | 10.3          | -              | +3500         | -            | -              | 1.0       |
| 003           | TF                              | FM953               | -        | 256 (248.7)   | -7.5               | 3.5           | -              | 3500          | -165         | -              | 1.0       |
| 004           | TF                              | FM954               | -        | 256 (248.7)   | -7.5               | 1.4           | -              | 3064          | -            | -3.00          | 0.3       |
| 005           | RF Center:<br>FMRF2<br>r=2.18NM | FM952               | -        | -             | -7.5               | 7.5           | R              | 684           | -            | -3.00          | 0.3       |
| 006           | TF                              | RW09                | Y        | 093 (085.1)   | -7.5               | 1.9           | -              | 65            | -            | -3.00/50       | 0.3       |
| 007           | TF                              | OYODO               | -        | 093 (085.1)   | -7.5               | 13.2          | -              | 4000          | -            | -              | 1.0       |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | RNP Value |
|------|---------------------|-----------------------|--------------------|---------------------|----------------|-----------------------|-----------------------|--------------|-----------|
| Hold | OYODO               | 273 (265.9)           | -7.5               | 1.0 (-14000)        | L              | 4000                  | FL140                 | -210(-14000) | 1.0       |

Waypoint Coordinates

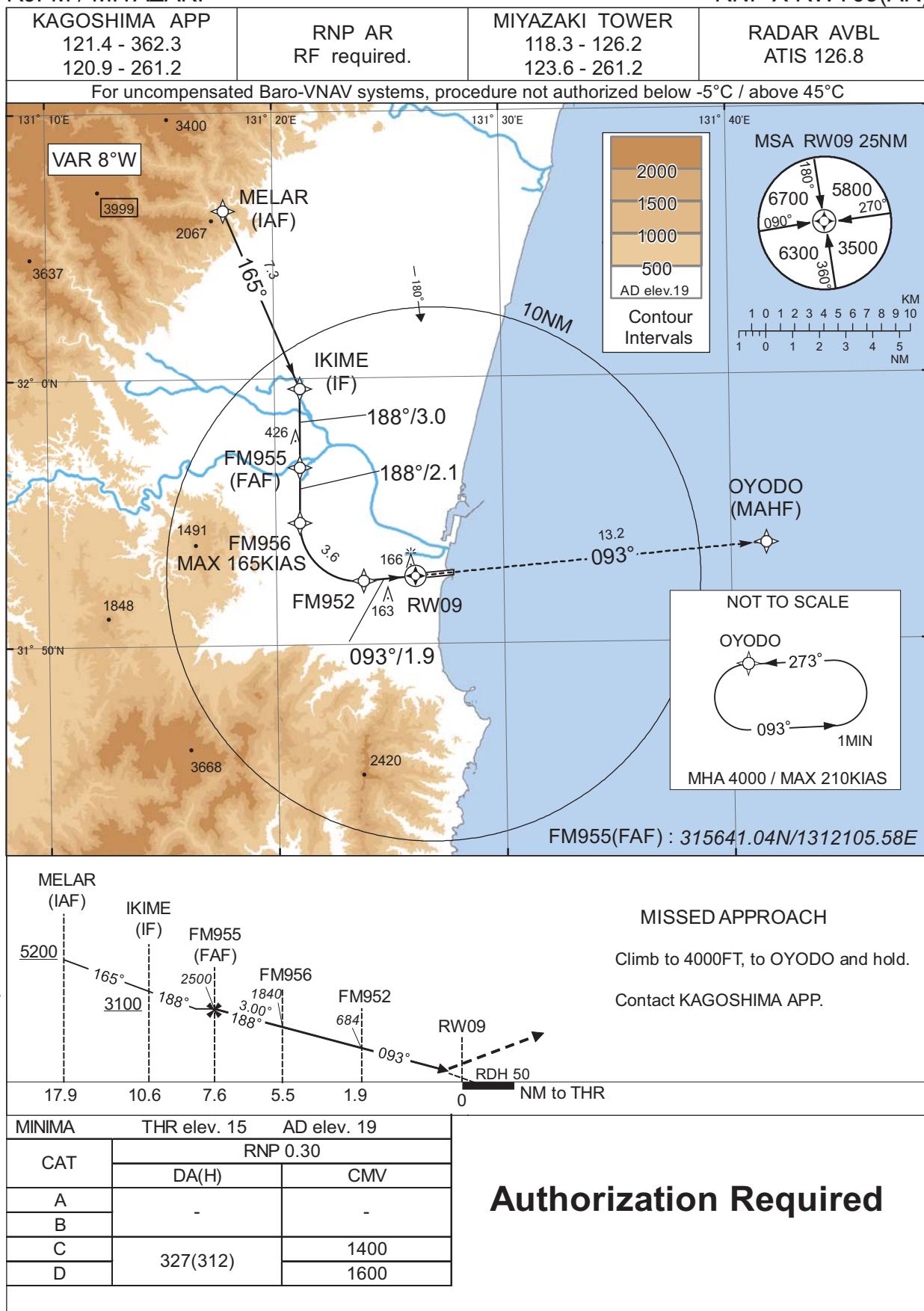
| Waypoint Identifier | Coordinates              | RF Arc Center Identifier | Coordinates              |
|---------------------|--------------------------|--------------------------|--------------------------|
| SURFU               | 314957.66N / 1313018.83E | FMRF2                    | 315013.85N / 1312403.51E |
| FM953               | 314841.56N / 1312629.11E |                          |                          |
| FM954               | 314811.70N / 1312459.11E |                          |                          |
| FM952               | 315224.44N / 1312350.57E |                          |                          |
| RW09                | 315234.26N / 1312607.02E |                          |                          |
| OYODO               | 315340.52N / 1314134.32E |                          |                          |

CHANGE : PROC course, VAR, HLDG pattern at OYODO added.

## INSTRUMENT APPROACH CHART

RJFM / MIYAZAKI

RNP X RWY09(AR)



## INSTRUMENT APPROACH CHART

RJFM / MIYAZAKI

RNP X RWY09(AR)

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                              | MELAR               | -        | -             | -7.5               | -             | -              | +5200         | -            | -               | -         |
| 002           | TF                              | IKIME               | -        | 165 (157.4)   | -7.5               | 7.3           | -              | +3100         | -            | -               | 0.3       |
| 003           | TF                              | FM955               | -        | 188 (180.6)   | -7.5               | 3.0           | -              | 2500          | -            | -               | 0.3       |
| 004           | TF                              | FM956               | -        | 188 (180.6)   | -7.5               | 2.1           | -              | 1840          | -165         | -3.00           | 0.3       |
| 005           | RF Center:<br>FMRF1<br>r=2.18NM | FM952               | -        | -             | -7.5               | 3.6           | L              | 684           | -            | -3.00           | 0.3       |
| 006           | TF                              | RW09                | Y        | 093 (085.1)   | -7.5               | 1.9           | -              | 65            | -            | -3.00/50        | 0.3       |
| 007           | TF                              | OYODO               | -        | 093 (085.1)   | -7.5               | 13.2          | -              | 4000          | -            | -               | 1.0       |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | RNP Value |
|------|---------------------|-----------------------|--------------------|---------------------|----------------|-----------------------|-----------------------|--------------|-----------|
| Hold | OYODO               | 273 (265.9)           | -7.5               | 1.0 (-14000)        | L              | 4000                  | FL140                 | -210(-14000) | 1.0       |

Waypoint Coordinates

| Waypoint Identifier | Coordinates              | RF Arc Center Identifier | Coordinates              |
|---------------------|--------------------------|--------------------------|--------------------------|
| MELAR               | 320620.09N / 1311750.24E | FMRF1                    | 315435.02N / 1312337.63E |
| IKIME               | 315938.25N / 1312107.83E |                          |                          |
| FM955               | 315641.04N / 1312105.58E |                          |                          |
| FM956               | 315436.46N / 1312104.01E |                          |                          |
| FM952               | 315224.44N / 1312350.57E |                          |                          |
| RW09                | 315234.26N / 1312607.02E |                          |                          |
| OYODO               | 315340.52N / 1314134.32E |                          |                          |

CHANGE : PROC course. VAR. HLDG pattern at OYODO added.

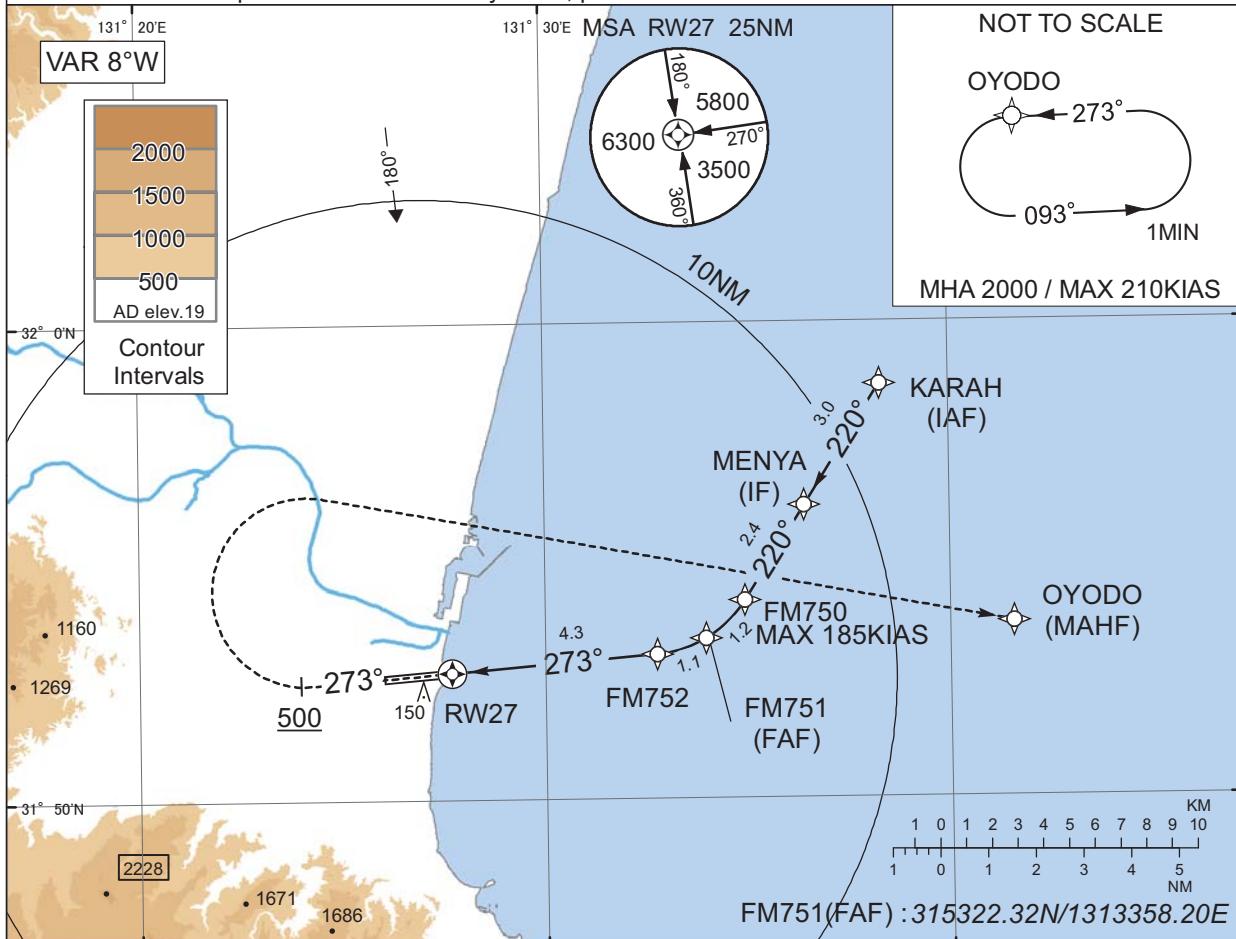
## INSTRUMENT APPROACH CHART

RJFM / MIYAZAKI

RNP RWY27(AR)

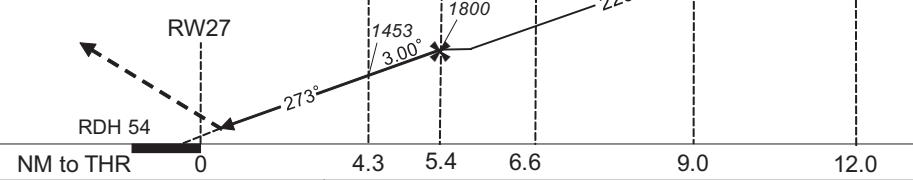
|   |                        |  |                          |
|---|------------------------|--|--------------------------|
| KAGOSHIMA APP<br>121.4 - 362.3<br>120.9 - 261.2 | RNP AR<br>RF required. | MIYAZAKI TOWER<br>118.3 - 126.2<br>123.6 - 261.2 | RADAR AVBL<br>ATIS 126.8 |
|---|------------------------|--|--------------------------|

For uncompensated Baro-VNAV systems, procedure not authorized below -5°C / above 45°C



## MISSED APPROACH

From RW27 on track 273°, at or above 500FT turn right, direct to OYODO and hold at 2000FT. Contact KAGOSHIMA APP.



| MINIMA |          | THR elev. 21 | AD elev. 19 |  |
|--------|----------|--------------|-------------|--|
| CAT    | RNP 0.30 |              |             |  |
|        | DA(H)    | RVR/CMV      |             |  |
| A      | -        | -            | -           |  |
| B      |          |              |             |  |
| C      | 321(300) | 1800         |             |  |
| D      |          | 2000         |             |  |

## Authorization Required

## INSTRUMENT APPROACH CHART

RJFM / MIYAZAKI

RNP RWY27(AR)

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                              | KARAH               | -        | -             | -7.5               | -             | -              | +1800         | -            | -               | -         |
| 002           | TF                              | MENYA               | -        | 220 (212.3)   | -7.5               | 3.0           | -              | -             | -            | -               | 0.3       |
| 003           | TF                              | FM750               | -        | 220 (212.3)   | -7.5               | 2.4           | -              | -             | -185         | -               | 0.3       |
| 004           | RF Center:<br>FMRF3<br>r=2.43NM | FM751               | -        | -             | -7.5               | 1.2           | R              | 1800          | -            | -               | 0.3       |
| 005           | RF Center:<br>FMRF3<br>r=2.43NM | FM752               | -        | -             | -7.5               | 1.1           | R              | 1453          | -            | -3.00           | 0.3       |
| 006           | TF                              | RW27                | Y        | 273 (265.2)   | -7.5               | 4.3           | -              | 75            | -            | -3.00/54        | 0.3       |
| 007           | FA                              | -                   | -        | 273 (265.2)   | -7.5               | -             | -              | +500          | -            | -               | 1.0       |
| 008           | DF                              | OYODO               | -        | -             | -7.5               | -             | R              | 2000          | -            | -               | 1.0       |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | RNP Value |
|------|---------------------|-----------------------|--------------------|---------------------|----------------|-----------------------|-----------------------|--------------|-----------|
| Hold | OYODO               | 273 (265.9)           | -7.5               | 1.0 (-14000)        | L              | 2000                  | FL140                 | -210(-14000) | 1.0       |

Waypoint Coordinates

| Waypoint Identifier | Coordinates              | RF Arc Center Identifier | Coordinates              |
|---------------------|--------------------------|--------------------------|--------------------------|
| KARAH               | 315841.41N / 1313818.57E | FMRF3                    | 315528.33N / 1313231.52E |
| MENYA               | 315609.28N / 1313625.03E |                          |                          |
| FM750               | 315409.97N / 1313456.09E |                          |                          |
| FM751               | 315322.32N / 1313358.20E |                          |                          |
| FM752               | 315302.73N / 1313245.72E |                          |                          |
| RW27                | 315241.06N / 1312741.80E |                          |                          |
| OYODO               | 315340.52N / 1314134.32E |                          |                          |

CHANGE : PROC course. VAR. HLDG pattern at OYODO added.

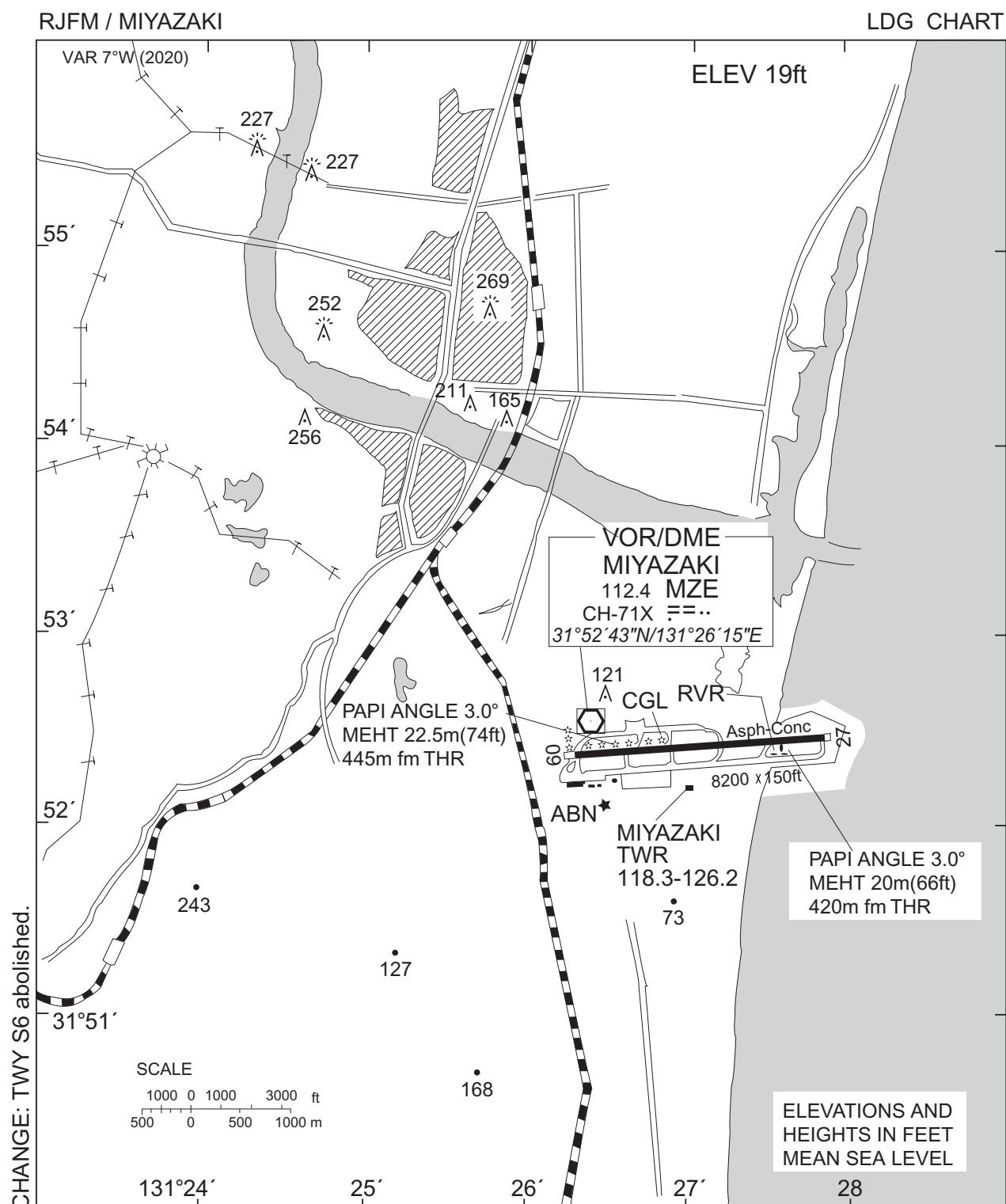
## RJFM / MIYAZAKI

Visual REP



CHANGE : Map updated. BRG/DIST from ARP.

| Call sign        | BRG / DIST from ARP | Remarks                      |
|------------------|---------------------|------------------------------|
| 有田<br>Arita      | 312 °T / 6.5NM      | 東九州自動車道大淀川橋<br>Bridge        |
| 相生<br>Aioi       | 330 °T / 5.5NM      | 宮崎西環状線相生橋<br>Bridge          |
| 塩路<br>Shioji     | 016 °T / 5.6NM      | 一ツ葉有料道路一ツ葉PA<br>Parking Area |
| 一ツ葉<br>Hitotsuba | 018 °T / 3.4NM      | サンビーチ 一ツ葉<br>Beach           |
| 加江田<br>Kaeda     | 175 °T / 3.7NM      | 加江田川河口<br>River mouth        |
| 白浜<br>Shirahama  | 160 °T / 5.8NM      | 戸崎鼻先端のホテル<br>Hotel           |
| 田野<br>Tano       | 246 °T / 8.2NM      | 宮崎自動車道田野IC<br>Interchange    |



RJFM / MIYAZAKI

## Minimum Vectoring Altitude CHART

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VAR 7°W (2017)

