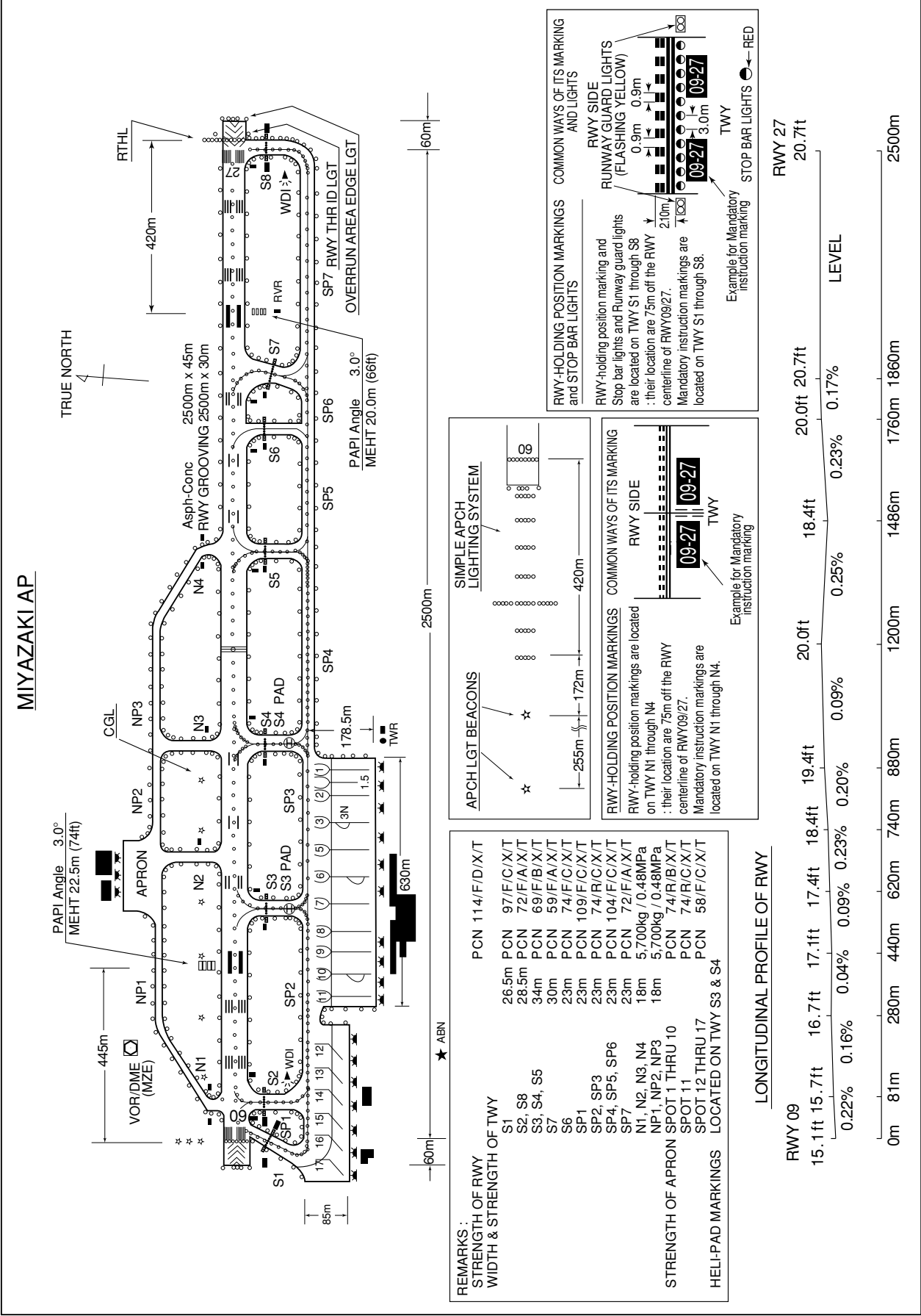


RJFM / MIYAZAKI

AD CHART



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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.

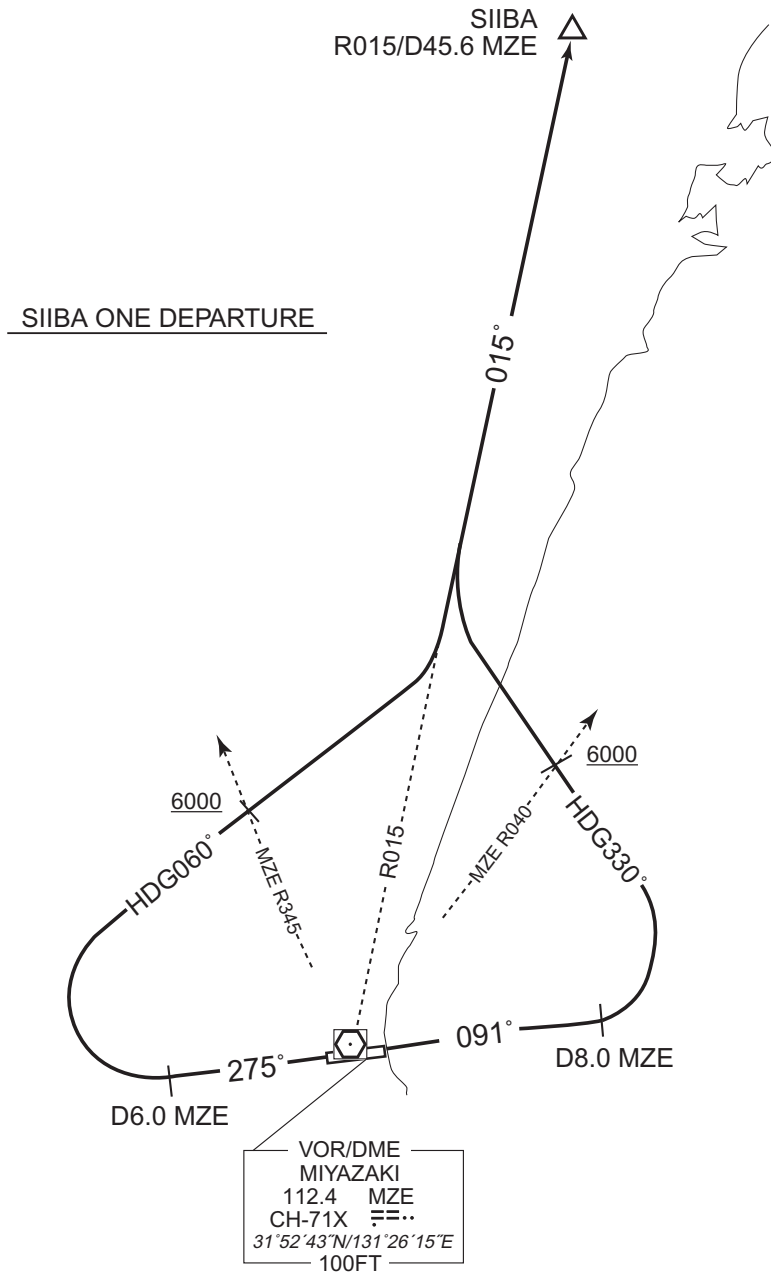
Cross MZE R345 at or above 6000FT.

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.



## STANDARD DEPARTURE CHART - INSTRUMENT

RJFM / MIYAZAKI

SID

SASIK THREE 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 SASIK via TORIK and LALAG.  
 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.

CHANGE : PROC. OBST.



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

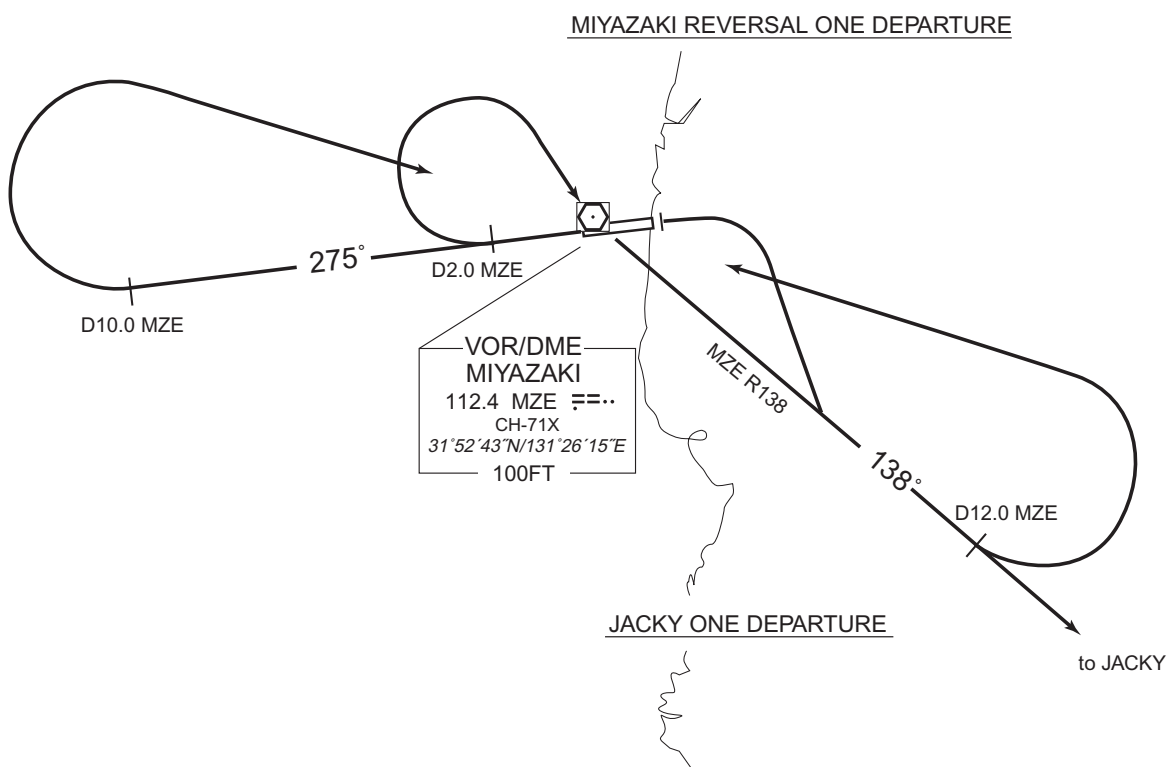
RWY 27 : Climb RWY HDG to MZE 2.0DME, turn right, direct to MZE VOR/DME,...

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 TWO 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            |
| <div>VAR 7° W(2016)</div> <p><b>KIZAK TWO DEPARTURE</b></p> <p><b>MADOG TRANSITION</b></p> <p><b>VOR/DME MIYAZAKI</b><br/>       112.4 MZE<br/>       CH-71X<br/>       31°52'43"N/131°26'15"E<br/>       100FT</p> <p><b>KIZAK</b><br/>       314410.0N<br/>       1313731.3E</p> <p><b>FM700</b><br/>       315212.0N<br/>       1312058.4E</p> <p><b>FM701</b><br/>       315749.2N<br/>       1312024.8E</p> <p><b>FM702</b><br/>       315813.1N<br/>       1312556.5E</p> <p><b>HIROS</b><br/>       315530.2N<br/>       1321230.5E<br/>       11000</p> <p><b>MADOG</b><br/>       320730.7N<br/>       1322346.5E</p> |  |  |
| CHANGE : Critical DME  | <b>KIZAK TWO DEPARTURE</b><br>RWY09 : Climb on HDG092° at or above 500FT, direct to KIZAK.<br>RWY27 : Climb on HDG272° at or above 500FT, direct to FM700, to FM701, to FM702, to KIZAK.<br>NOTE RWY09: 5.0% climb gradient required up to 500FT.<br>NOTE RWY27: 7.0% climb gradient required up to 900FT. |  |
|  | <b>MADOG TRANSITION</b><br>From KIZAK, to HIROS at or above 11000FT, to MADOG.   |  |

## STANDARD DEPARTURE CHART - INSTRUMENT

RJFM / MIYAZAKI

RNAV SID and TRANSITION

KIZAK 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              | —                   | —        | 092<br>(085.2) | -6.8               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | KIZAK               | —        | —              | -6.8               | —             | 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              | —                   | —        | 272<br>(265.2) | -6.8               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | FM700               | —        | —              | -6.8               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | FM701               | —        | 002<br>(355.2) | -6.8               | 5.6           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | FM702               | —        | 092<br>(085.2) | -6.8               | 4.7           | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | KIZAK               | —        | 152<br>(144.5) | -6.8               | 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               | —        | —              | -6.8               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | HIROS               | —        | 076<br>(069.0) | -6.8               | 31.8          | —              | +11000        | —            | —              | RNAV1                    |
| 003           | TF              | MADOG               | —        | 045<br>(038.4) | -6.8               | 15.4          | —              | —             | —            | —              | RNAV1                    |

## STANDARD DEPARTURE CHART - INSTRUMENT

RJFM/ MIYAZAKI

RNAV SID

## KIRISHIMA ONE DEPARTURE

## RNAV 1

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

※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.

2) RADAR service required.

Critical DME

RWY09 : NHT : 2NM FM DER — 2NM to FM900  
RWY27 : NHT : 5NM to FM703 — FM703

DME GAP

RWY09 : DER — 2NM FM DER  
RWY27 : DER — 5NM to FM703

Inappropriate Nav aids

See AD 1.1.6.10.3. Inappropriate NAVAIDS for RNAV1

VAR 7°W (2020)



## KIRISHIMA ONE DEPARTURE

RWY09 : Climb on HDG092° at or above 1000FT, turn left direct to FM900, to NASAK, to LALAG, to SASIK.

RWY27 : Climb on HDG272° at or above 500FT, direct to FM703, to NASAK, to LALAG, to SASIK.

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.

CHANGE : New PROC.



## STANDARD DEPARTURE CHART - INSTRUMENT

RJFM / MIYAZAKI

RNAV SID

KIRISHIMA ONE 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              | —                   | —        | 092<br>(085.2) | -7.2               | —             | —              | +1000         | —            | —              | RNAV1                    |
| 002           | DF              | FM900               | —        | —              | -7.2               | —             | L              | —             | —            | —              | RNAV1                    |
| 003           | TF              | NASAK               | —        | 287<br>(280.1) | -7.2               | 12.7          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | LALAG               | —        | 306<br>(298.6) | -7.2               | 29.4          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | SASIK               | —        | 305<br>(298.3) | -7.2               | 9.2           | —              | —             | —            | —              | 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              | —                   | —        | 272<br>(265.2) | -7.2               | —             | —              | +500          | —            | —              | RNAV1                    |
| 002           | DF              | FM703               | —        | —              | -7.2               | —             | —              | —             | —            | —              | RNAV1                    |
| 003           | TF              | NASAK               | —        | 348<br>(340.6) | -7.2               | 8.4           | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | LALAG               | —        | 306<br>(298.6) | -7.2               | 29.4          | —              | —             | —            | —              | RNAV1                    |
| 005           | TF              | SASIK               | —        | 305<br>(298.3) | -7.2               | 9.2           | —              | —             | —            | —              | RNAV1                    |

CHANGE : New PROC.

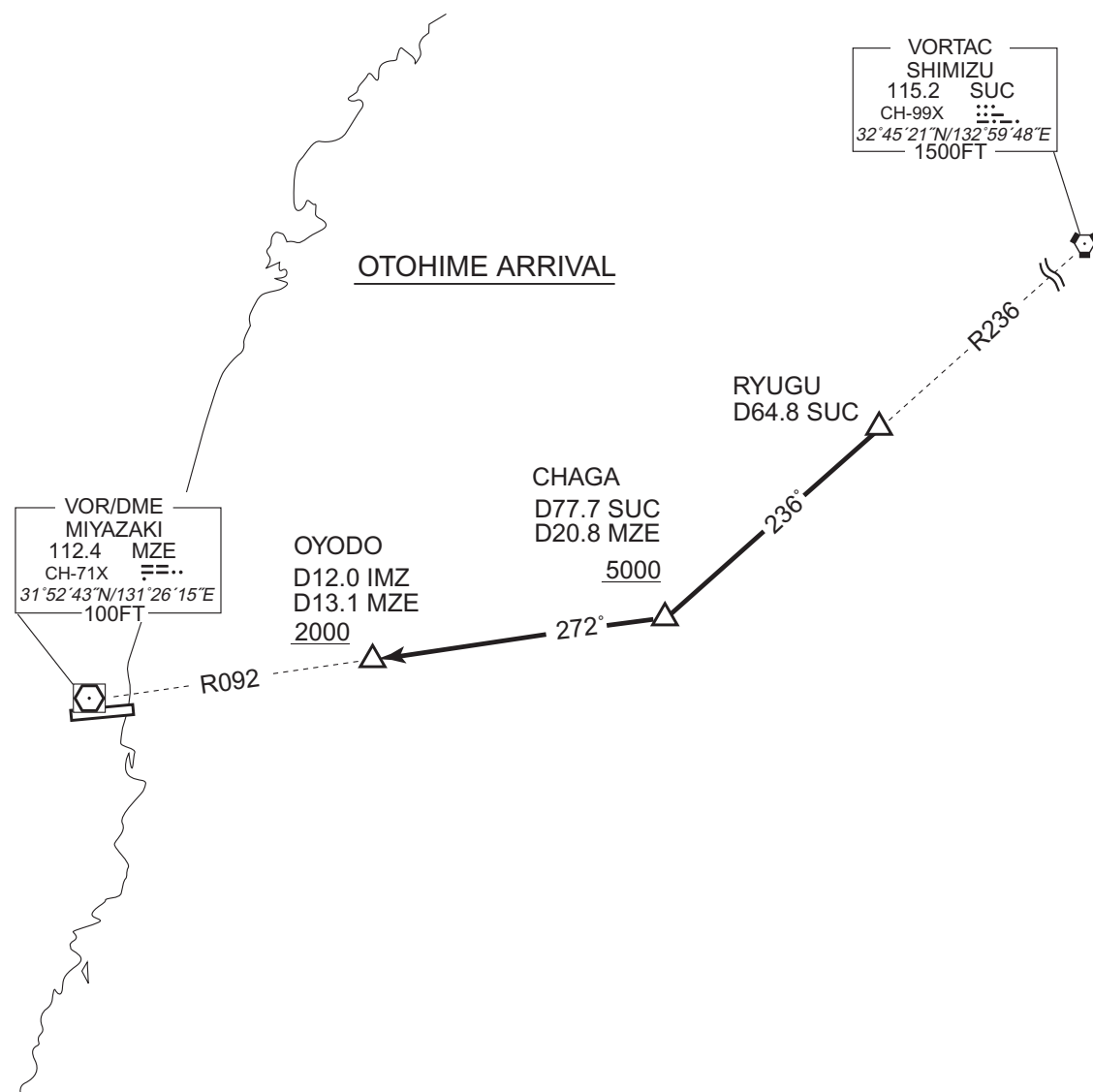
STANDARD ARRIVAL CHART - INSTRUMENT

RJFM / MIYAZAKI

STAR

OTOHIME ARRIVAL

From over RYUGU, via SUC R236 to CHAGA, via MZE R092 to OYODO.  
Cross CHAGA at or above 5000FT, cross OYODO at or above 2000FT.



## STANDARD ARRIVAL CHART - INSTRUMENT

RJFM / MIYAZAKI

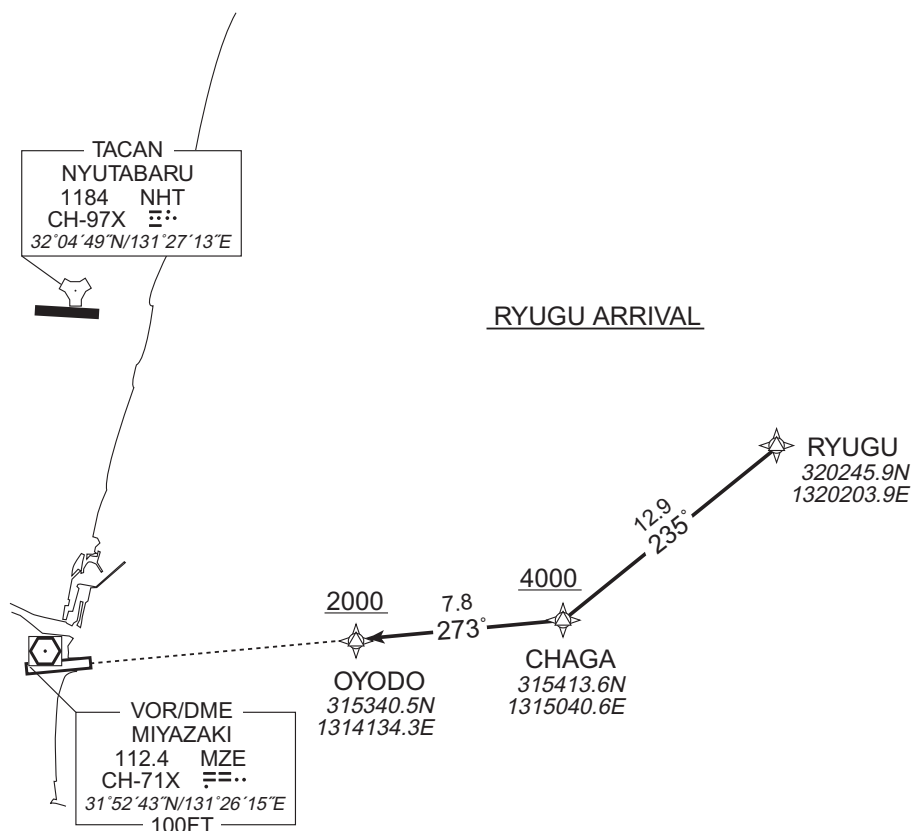
RNAV STAR

## RYUGU ARRIVAL

RNAV1

Note 1) DME/DME/IRU or GNSS required.  
2) RADAR service required.

VAR 7°W (2016)



## RYUGU ARRIVAL

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

|                        |   |
|------------------------|---|
| Critical DME           | —   |
| DME GAP                | —   |
| Inappropriate Nav aids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

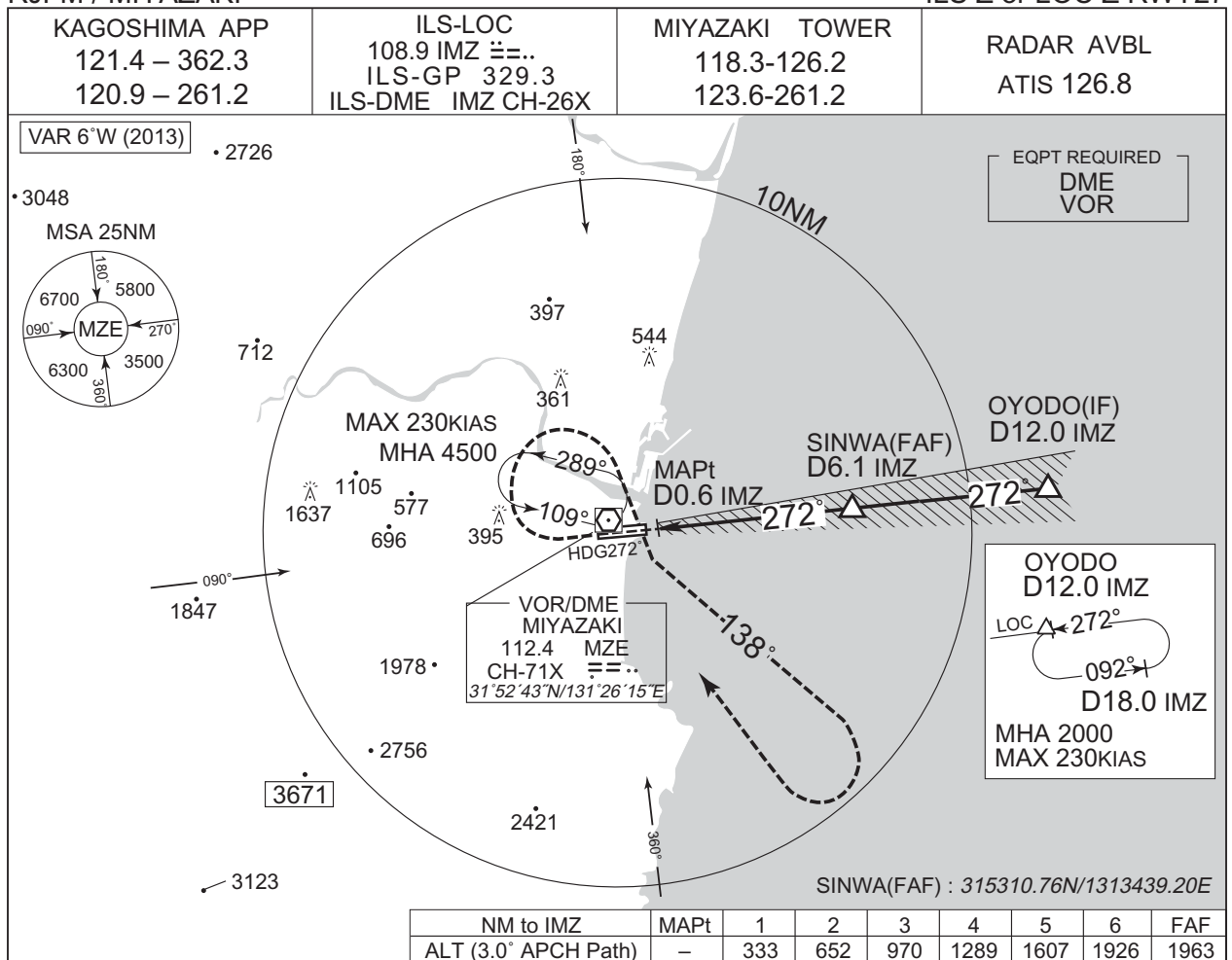
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | IF              | RYUGU               | —        | —             | -6.8               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | CHAGA               | —        | 235 (228.6)   | -6.8               | 12.9          | —              | +4000         | —            | —              | RNAV1                    |
| 003           | TF              | OYODO               | —        | 273 (266.0)   | -6.8               | 7.8           | —              | +2000         | —            | —              | RNAV1                    |

CHANGE : Critical DME

## INSTRUMENT APPROACH CHART

RJFM / MIYAZAKI

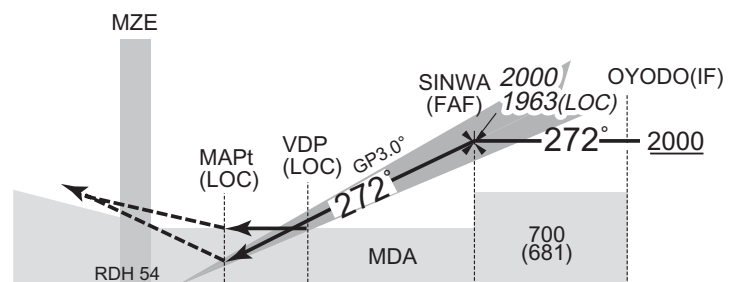
ILS Z or LOC Z RWY27



## MISSED 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.



|            |     |     |     |     |      |
|------------|-----|-----|-----|-----|------|
| DME to IMZ | 0.2 | 0.6 | 0.8 | 6.1 | 12.0 |
| NM to THR  | 0   | 0.5 | 0.6 | 5.9 | 11.9 |

Missed APCH climb gradient MNM 4.0%

MINIMA

THR elev. 21

AD elev. 19

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

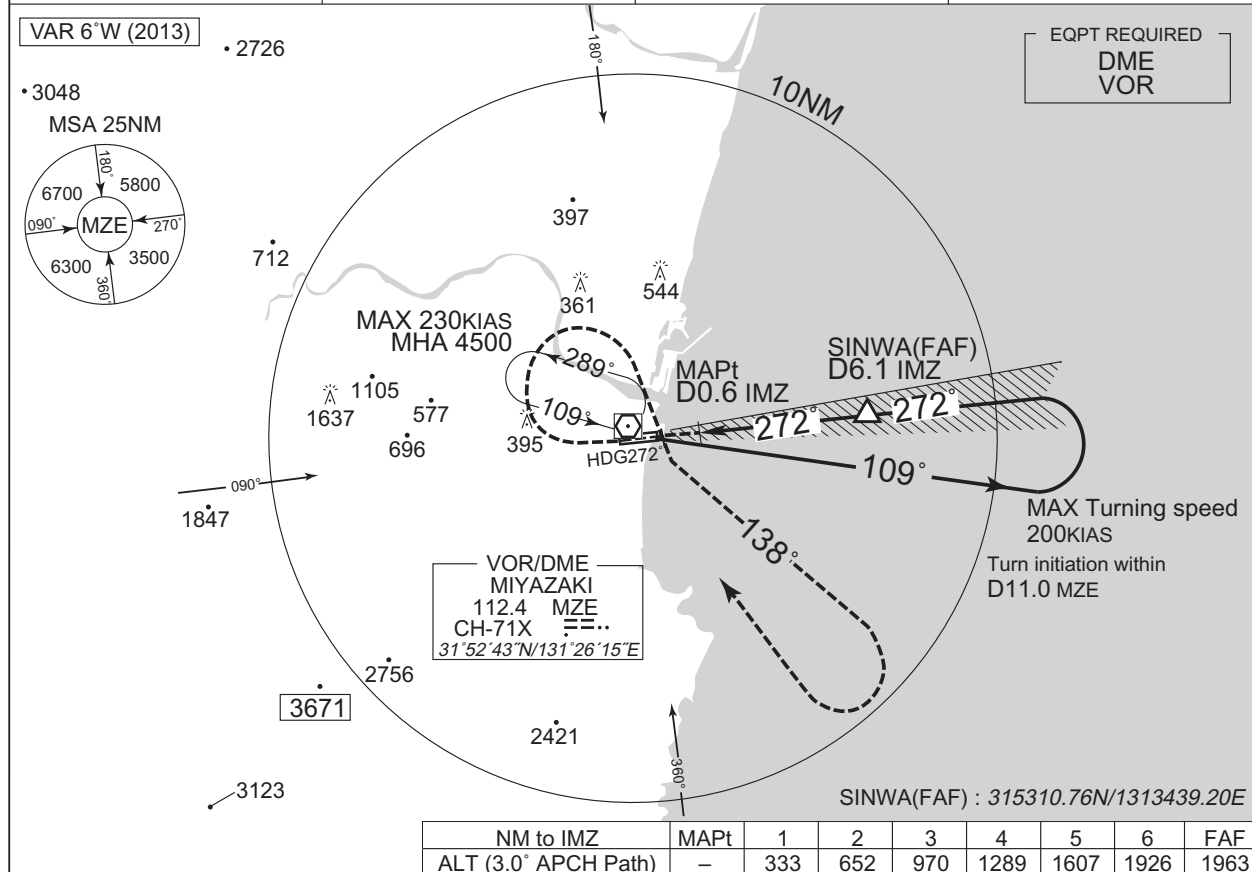
MINIMA with Missed APCH climb gradient of 2.5% are not established.

## INSTRUMENT APPROACH CHART

RJFM / MIYAZAKI

ILS Y or LOC Y RWY27

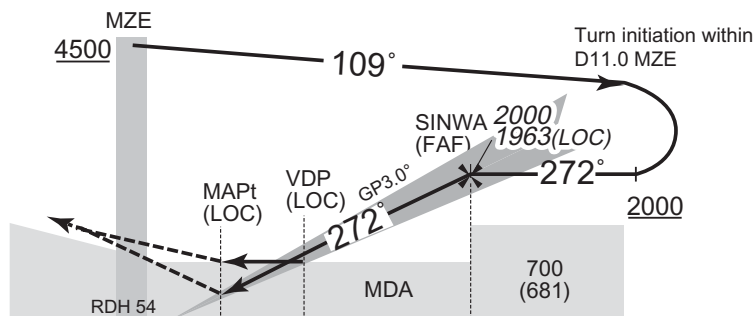
|   |  |  |                              |
|---|--|--|------------------------------|
| KAGOSHIMA APP<br>121.4 – 362.3<br>120.9 – 261.2 | ILS-LOC<br>108.9 IMZ $\equiv$ ..<br>ILS-GP 329.3<br>ILS-DME IMZ CH-26X | MIYAZAKI TOWER<br>118.3 - 126.2<br>123.6 - 261.2 | RADAR AVBL<br><br>ATIS 126.8 |
|---|--|--|------------------------------|



## MISSED 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.



|            |     |     |     |     |
|------------|-----|-----|-----|-----|
| DME to IMZ | 0.2 | 0.6 | 0.8 | 6.1 |
| NM to THR  | 0   | 0.5 | 0.6 | 5.9 |

Missed APCH climb gradient MNM 4.0%

MINIMA THR elev. 21 AD elev. 19

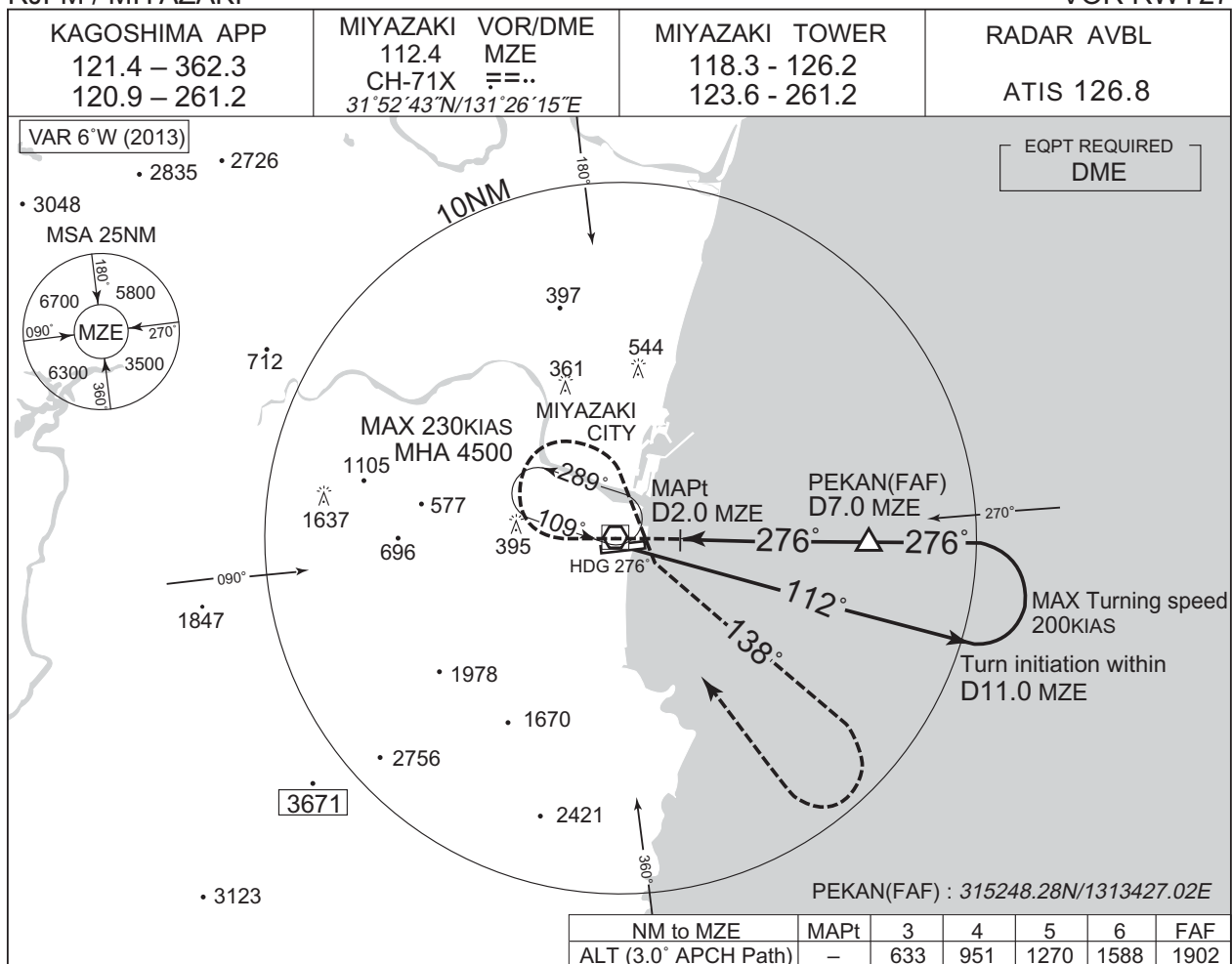
| CAT | CAT I     |         | LOC       |         | CIRCLING  |      |
|-----|-----------|---------|-----------|---------|-----------|------|
|     | DA(H)     | RVR/CMV | MDA(H)    | RVR/CMV | MDA(H)    | VIS  |
| A   | 221 (200) | 1000    | 270 (251) | 1500    | 520 (501) | 1600 |
| B   |         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

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

## INSTRUMENT APPROACH CHART

RJFM / MIYAZAKI

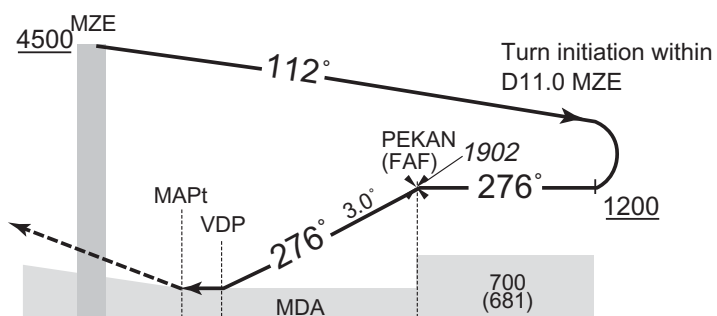
VOR RWY27



## MISSED APPROACH

Climb to 500FT on HDG 276°, 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.



DME to MZE

NM to THR

|     |     |     |     |
|-----|-----|-----|-----|
| 1.2 | 2.0 | 2.4 | 7.0 |
| 0   | 0.8 | 1.2 | 5.8 |

| MINIMA |           | THR elev. 21 | AD elev. 19 |      |
|--------|-----------|--------------|-------------|------|
| CAT    |           |              | CIRCLING    |      |
|        | MDA(H)    | RVR/CMV      | MDA(H)      | VIS  |
| A      | 440 (421) | 1500         | 520 (501)   | 1600 |
| B      |           |              |             |      |
| C      |           | 1800         | 650 (631)   | 2400 |
| D      |           | 2000         |             | 3200 |

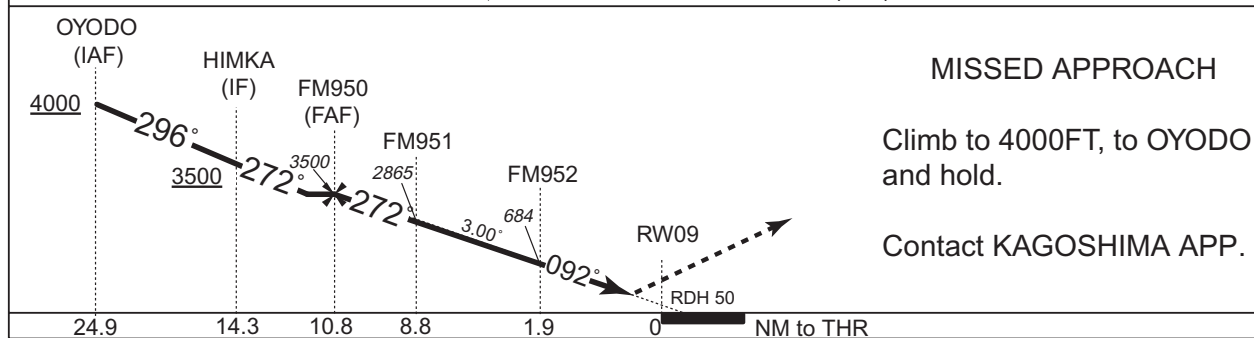
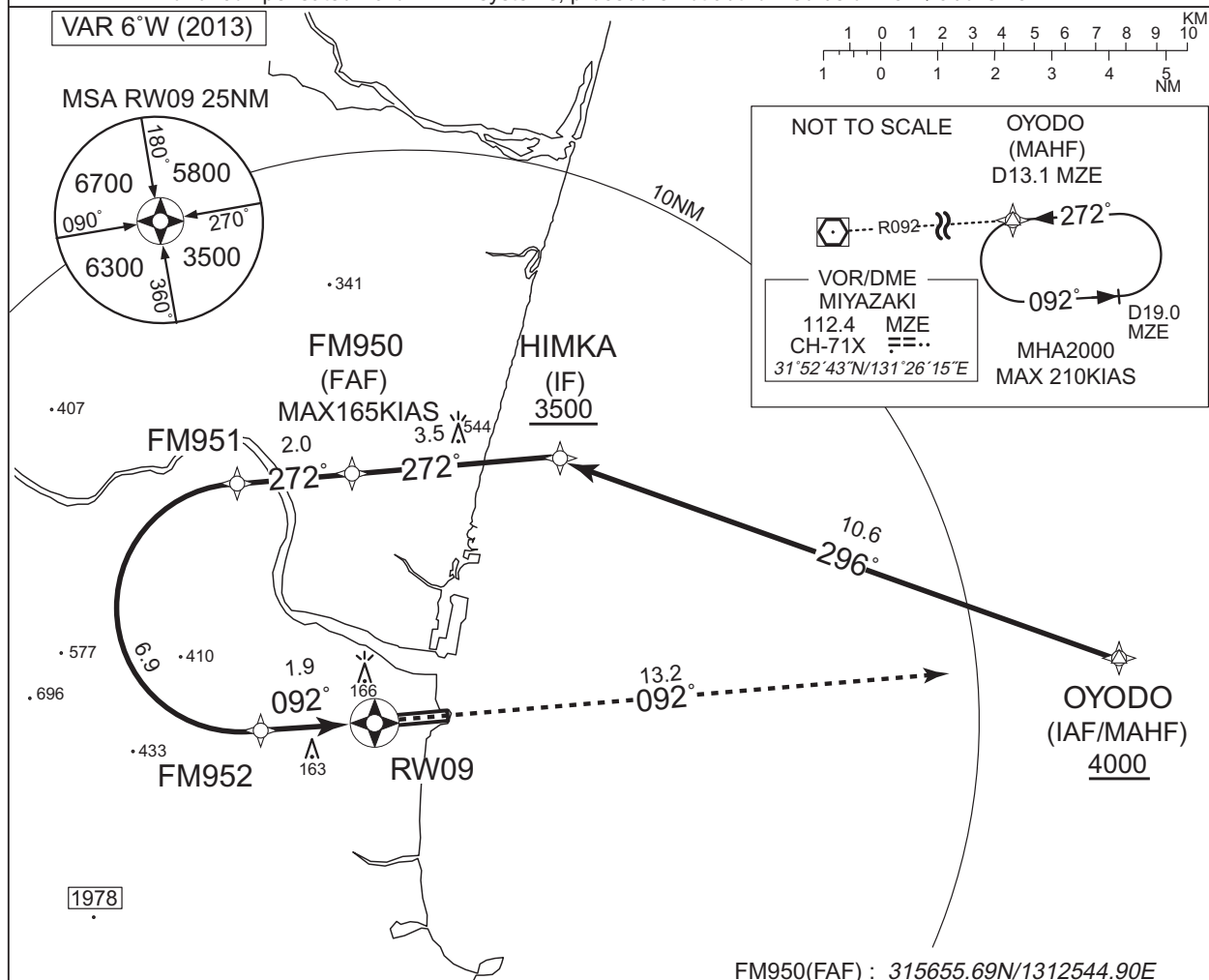
## INSTRUMENT APPROACH CHART

RJFM / MIYAZAKI

RNAV(RNP) Z RWY09

|   |                       |  |                          |
|---|-----------------------|--|--------------------------|
| KAGOSHIMA APP<br>121.4 – 362.3<br>120.9 – 261.2 | GNSS and 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



# RNP AR

Special Authorization Required

## INSTRUMENT APPROACH CHART

RJFM / MIYAZAKI

RNAV(RNP) Z RWY09

RNAV(RNP) Z RWY09Coding 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               | —        | —               | -6.5               | —             | —              | +4000         | —            | —              | —         |
| 002           | TF                                 | HIMKA               | —        | 296<br>(289.7)  | -6.5               | 10.6          | —              | +3500         | —            | —              | 1.0       |
| 003           | TF                                 | FM950               | —        | 272<br>(265.2)  | -6.5               | 3.5           | —              | 3500          | -165         | —              | 1.0       |
| 004           | TF                                 | FM951               | —        | 272<br>(265.2)  | -6.5               | 2.0           | —              | 2865          | —            | -3.00          | 0.3       |
| 005           | RF<br>Center:<br>FMRF1<br>r=2.18NM | FM952               | —        | —               | -6.5               | 6.9           | L              | 684           | —            | -3.00          | 0.3       |
| 006           | TF                                 | RW09                | Y        | 092<br>(085.1)  | -6.5               | 1.9           | —              | 65            | —            | -3.00/50       | 0.3       |
| 007           | TF                                 | OYODO               | —        | 092<br>(085.1)  | -6.5               | 13.2          | —              | 4000          | —            | —              | 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 |                          |                        |



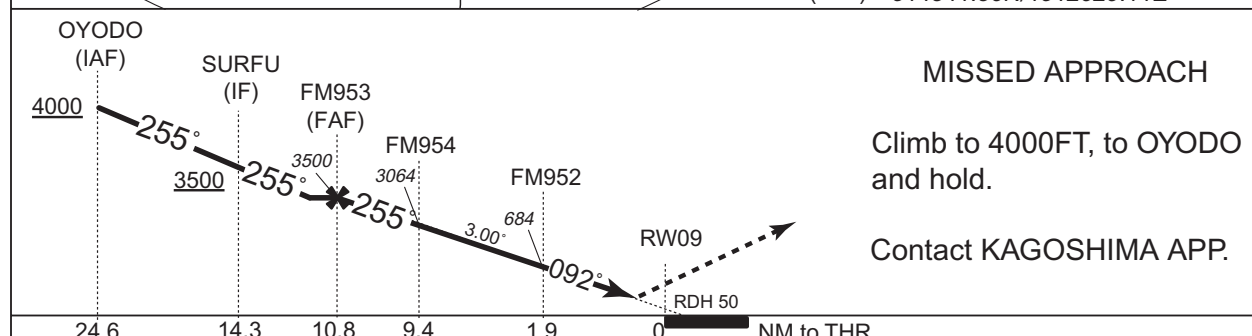
INSTRUMENT APPROACH CHART

RJFM / MIYAZAKI

RNAV(RNP) Y RWY09

|   |                       |  |                          |
|---|-----------------------|--|--------------------------|
| KAGOSHIMA APP<br>121.4 – 362.3<br>120.9 – 261.2 | GNSS and 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



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

**RNP AR**  
Special Authorization Required

## INSTRUMENT APPROACH CHART

RJFM / MIYAZAKI

RNAV(RNP) Y RWY09

RNAV(RNP) Y RWY09Coding 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               | —        | —               | -6.5               | —             | —              | +4000         | —            | —               | —         |
| 002           | TF                        | SURFU               | —        | 255 (248.8)     | -6.5               | 10.3          | —              | +3500         | —            | —               | 1.0       |
| 003           | TF                        | FM953               | —        | 255 (248.7)     | -6.5               | 3.5           | —              | 3500          | -165         | —               | 1.0       |
| 004           | TF                        | FM954               | —        | 255 (248.7)     | -6.5               | 1.4           | —              | 3064          | —            | -3.00           | 0.3       |
| 005           | RF Center: FMRF2 r=2.18NM | FM952               | —        | —               | -6.5               | 7.5           | R              | 684           | —            | -3.00           | 0.3       |
| 006           | TF                        | RW09                | Y        | 092 (085.1)     | -6.5               | 1.9           | —              | 65            | —            | -3.00/50        | 0.3       |
| 007           | TF                        | OYODO               | —        | 092 (085.1)     | -6.5               | 13.2          | —              | 4000          | —            | —               | 1.0       |

Waypoint Coordinates

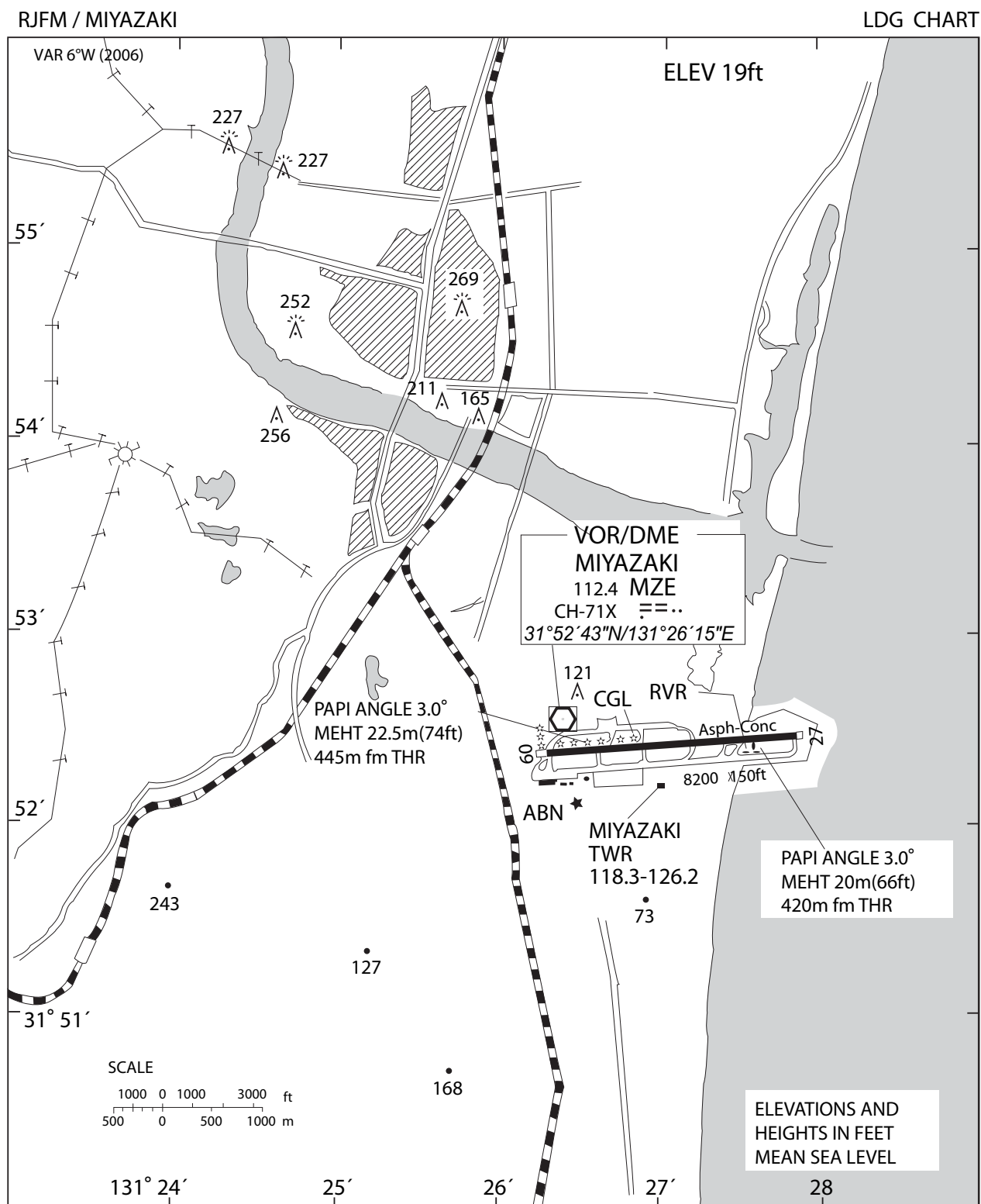
| Waypoint Identifier | Coordinates            | RF Arc Center Identifier | Coordinates            |
|---------------------|------------------------|--------------------------|------------------------|
| SURFU               | 314957.66N/1313018.83E | FMRF2                    | 315013.85N/1312403.51E |
| 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 |                          |                        |

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Visual REP



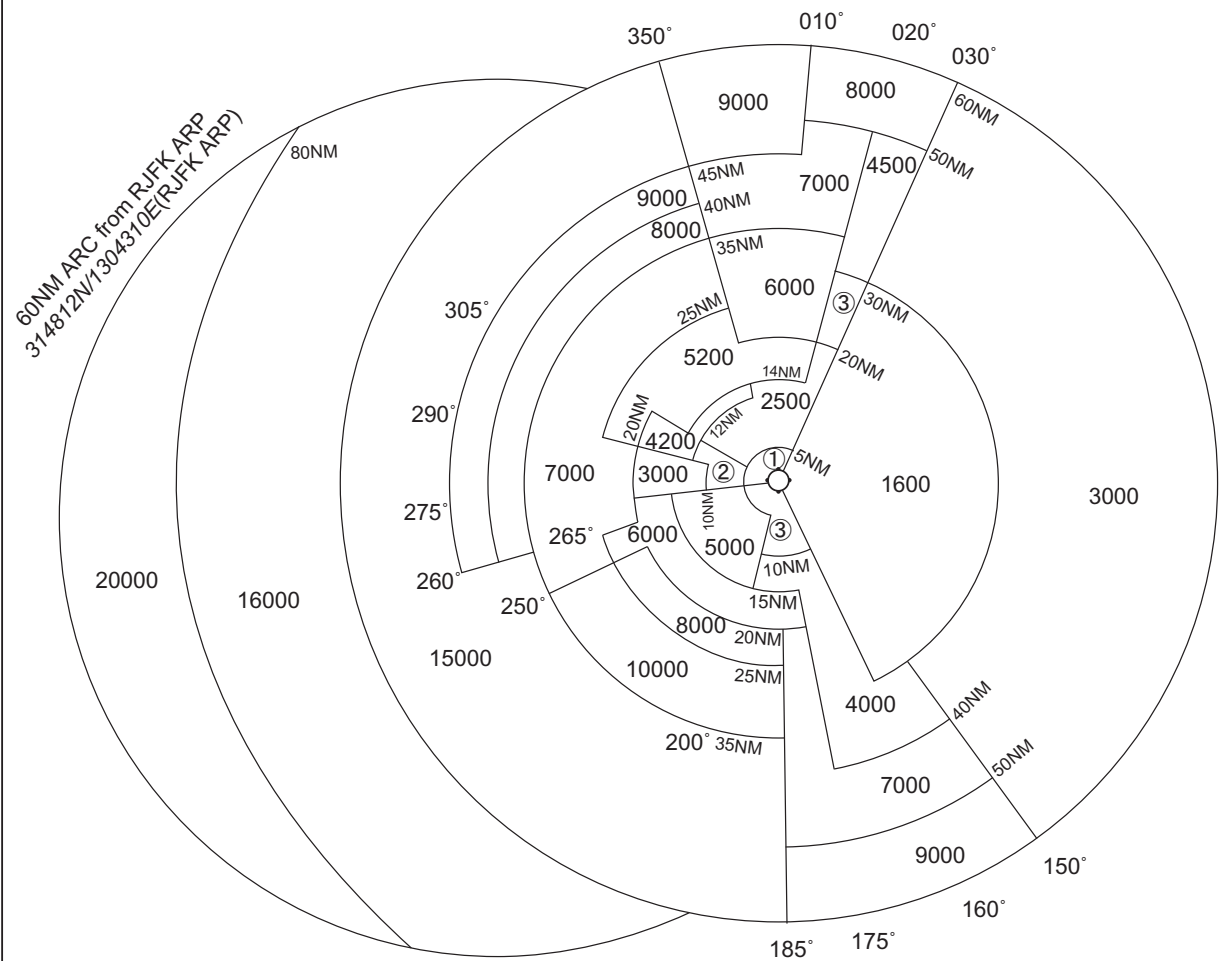
| Call sign          | BRG / DIST from ARP | Remarks                        |
|--------------------|---------------------|--------------------------------|
| 有 田<br>Arita       | 318°/6.5NM          | 東九州自動車道大淀川橋<br>Bridge          |
| 相 生<br>Aioi        | 336°/5.3NM          | 宮崎西環状線相生橋<br>Bridge            |
| 塩 路<br>Shioji      | 022°/5.7NM          | 一ツ葉有料道路一ツ葉 P A<br>Parking Area |
| 一 ツ 葉<br>Hitotsuba | 023°/3.3NM          | サンビーチ 一ツ葉<br>Beach             |
| 加 江 田<br>Kaeda     | 182°/3.7NM          | 加江田川河口<br>River-mouth          |
| 白 浜<br>Shirahama   | 166°/5.8NM          | 戸崎鼻先端のホテル<br>Hotel             |
| 田 野<br>Tano        | 251°/8.1NM          | 宮崎自動車道田野 I C<br>Interchange    |



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Minimum Vectoring Altitude CHART

VAR 7°W (2017)



CHANGE : Update