

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 TWO DEPARTURE

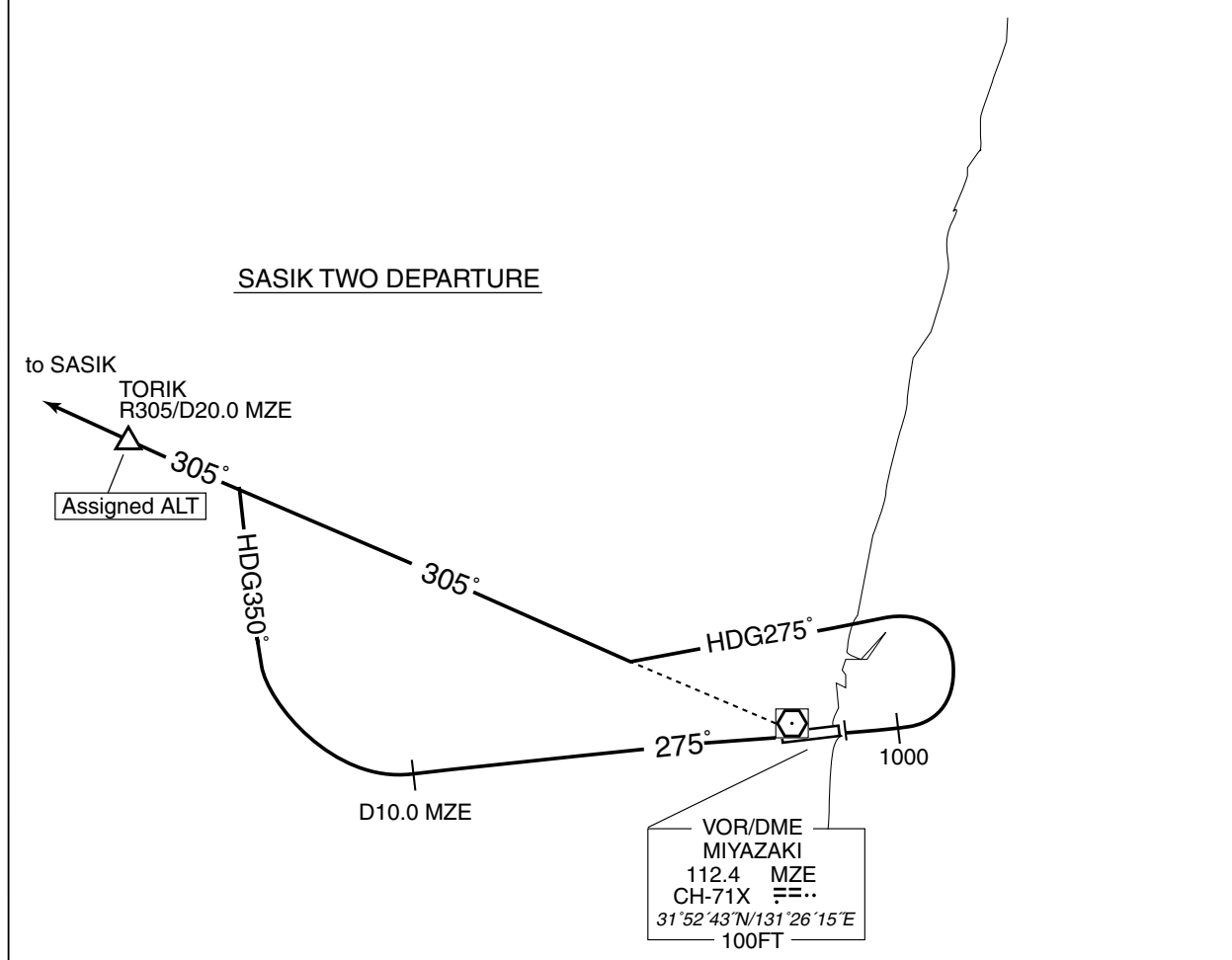
RWY27 : Climb via MZE R275 to 10.0DME, turn right HDG350°...

RWY09 : Climb RWY HDG to 1000FT, turn left HDG275°...
...to intercept and proceed via MZE R305 to SASIK via TORIK.
Cross TORIK at assigned altitude.

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

OBST ALT 1848FT located at 11.6NM 269° from 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 1848FT located at 11.6NM 269° from end of RWY27.

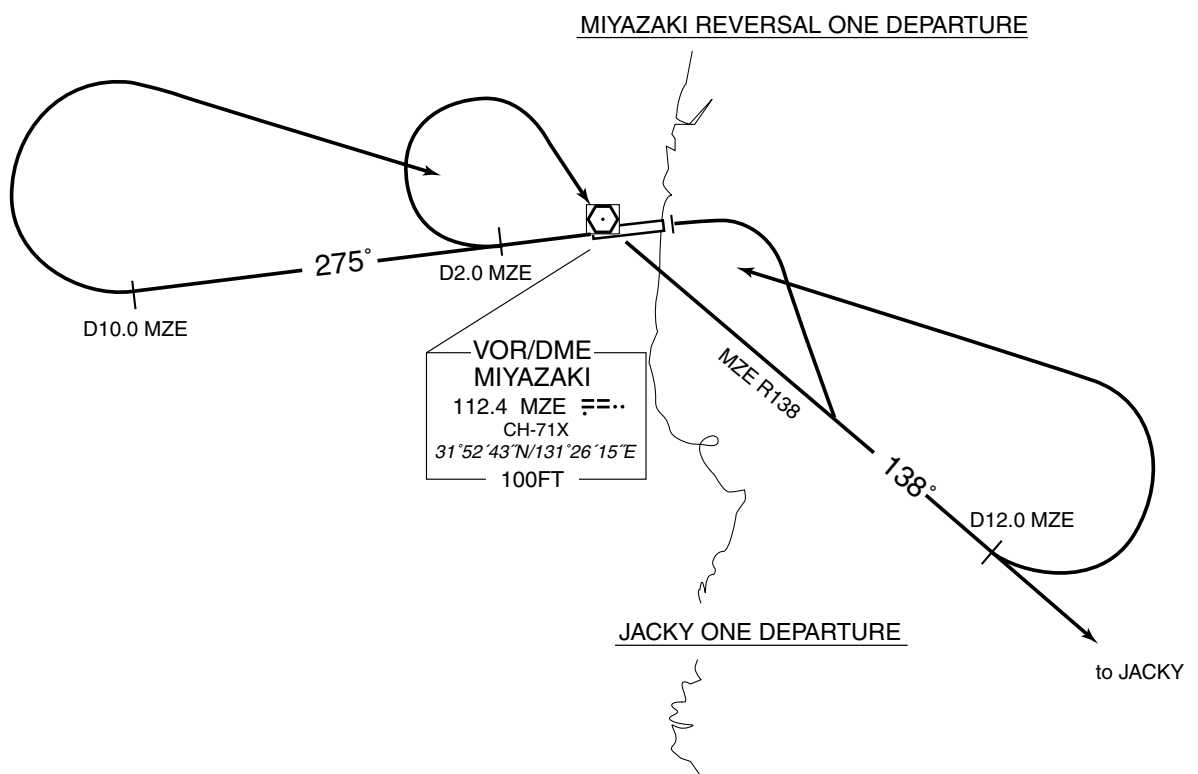
JACKY ONE DEPARTURE

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° from end of RWY27.



STANDARD DEPARTURE CHART - INSTRUMENT

RJFM / MIYAZAKI

RNAV SID and TRANSITION

| KIZAK TWO DEPARTURE MADOG TRANSITION | | RNAV1 |
|--|-----------------------|--|
| 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 | RWY27 TGE : 4.0NM to KIZAK - KIZAK |
| | DME GAP | RWY09 : DER - 4.0NM to KIZAK 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>KIZAK TWO DEPARTURE</p> <p>MADOG TRANSITION</p> | | |
| <div>CHANGE : Critical DME</div> <p>KIZAK TWO DEPARTURE</p> <p>RWY09 : Climb on HDG092° at or above 500FT, direct to KIZAK.</p> <p>RWY27 : Climb on HDG272° at or above 500FT, direct to FM700, to FM701, to FM702, to KIZAK.</p> <p>NOTE RWY09: 5.0% climb gradient required up to 500FT.</p> <p>NOTE RWY27: 7.0% climb gradient required up to 900FT.</p> <p>MADOG TRANSITION</p> <p>From KIZAK, to HIROS at or above 11000FT, to MADOG.</p> | | |

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

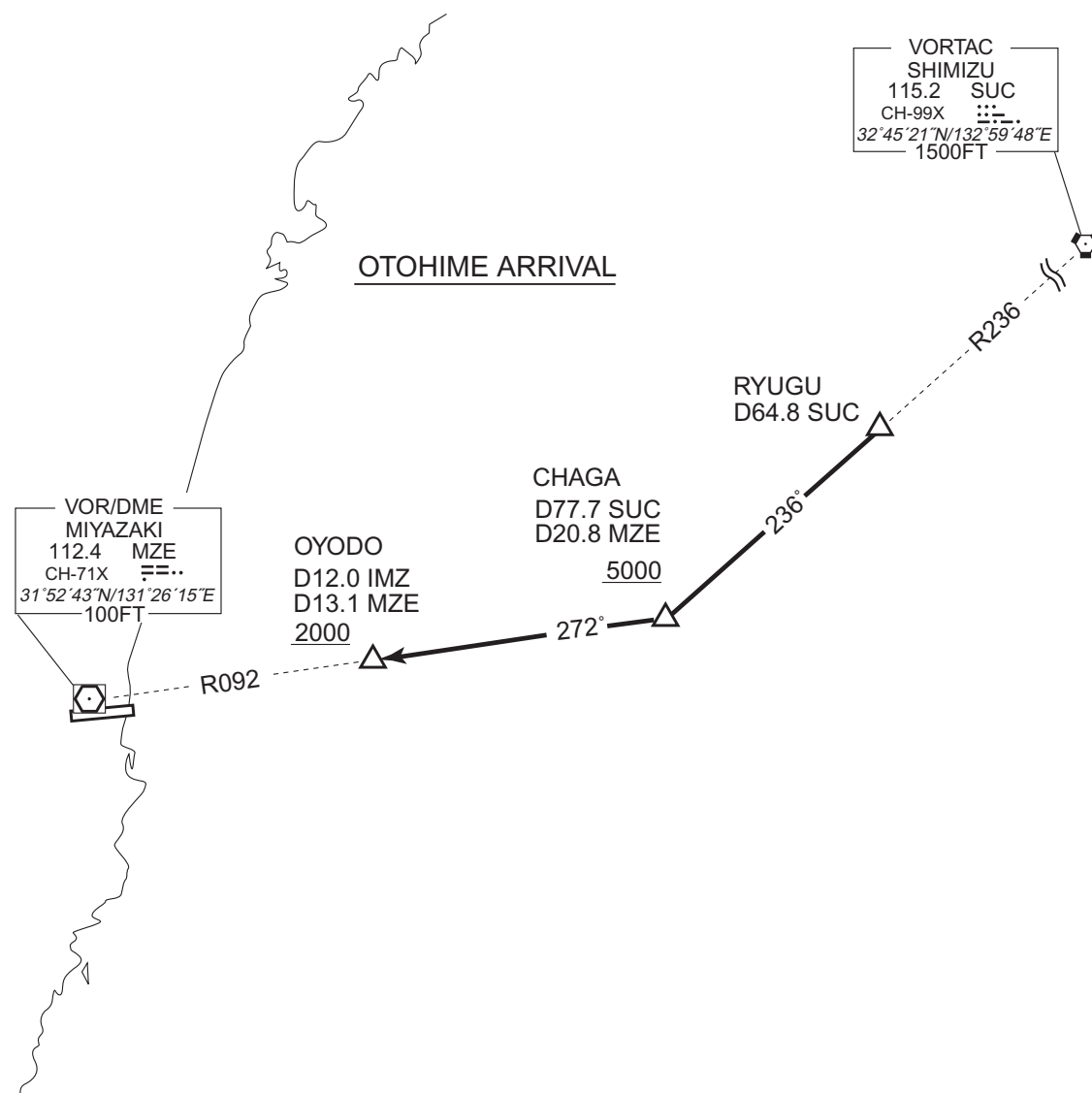
STANDARD ARRIVAL CHART - INSTRUMENT

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

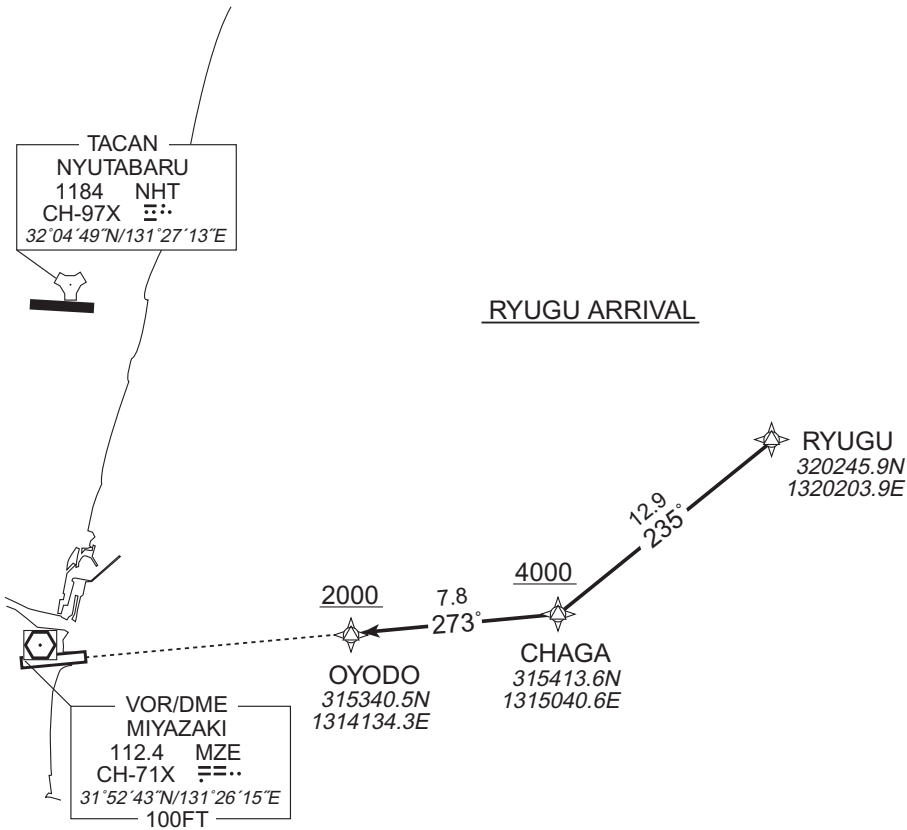
RJFM / MIYAZAKIRNAV STAR

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 Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

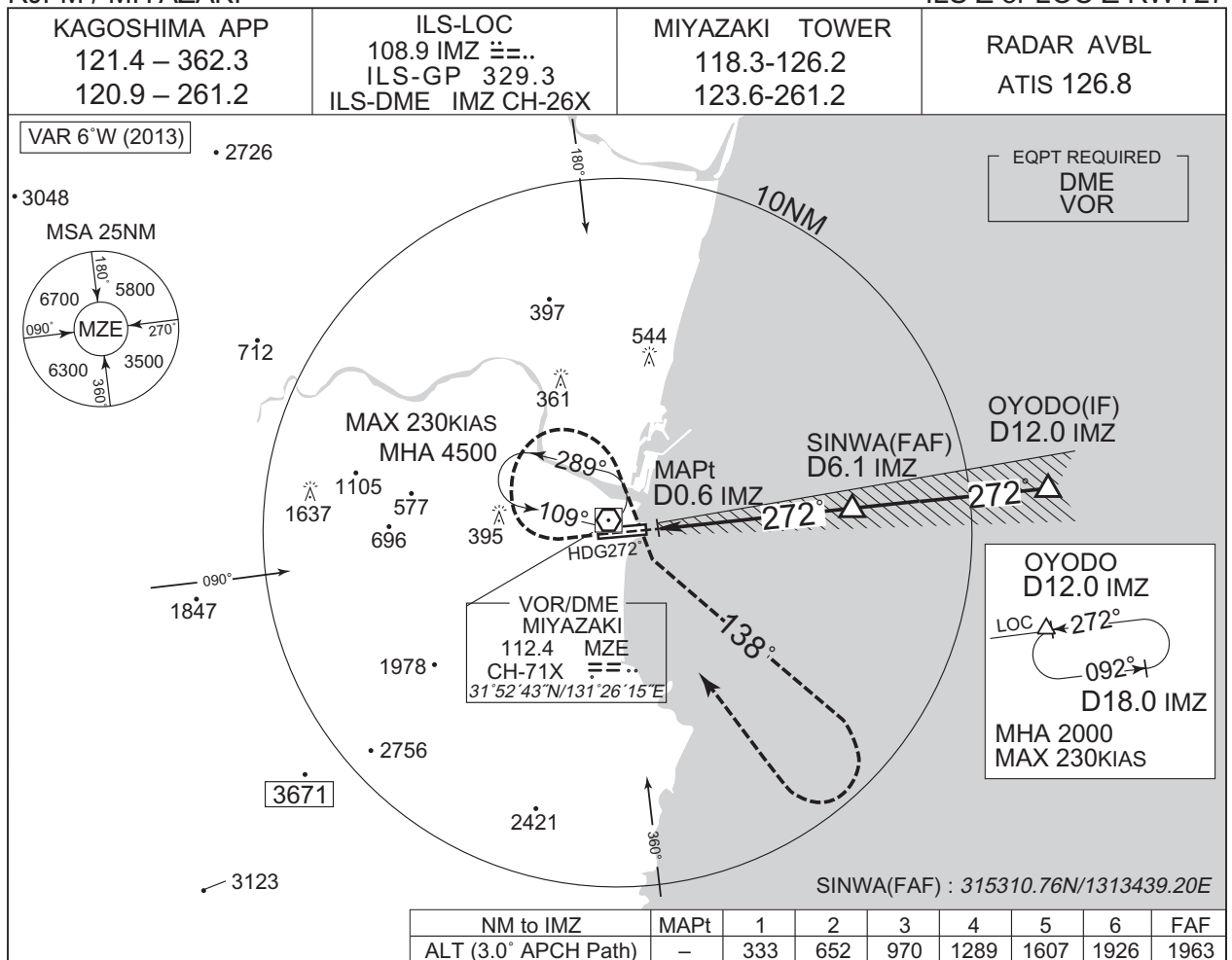
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | 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

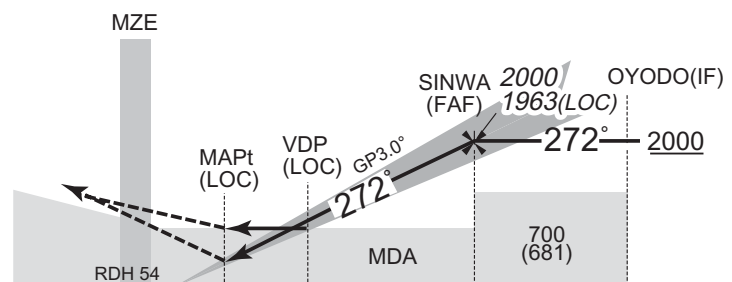
ILS Z or LOC Z RWY27



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/ CMV | MDA(H) | RVR/ CMV | MDA(H) | VIS |
| A | 221 (200) | 1000 | 270 (251) | 1500 | 520 (501) | 1600 |
| B | | | | 1600 | 650 (631) | 2400 |
| C | | | | | | |
| D | | | | | | |

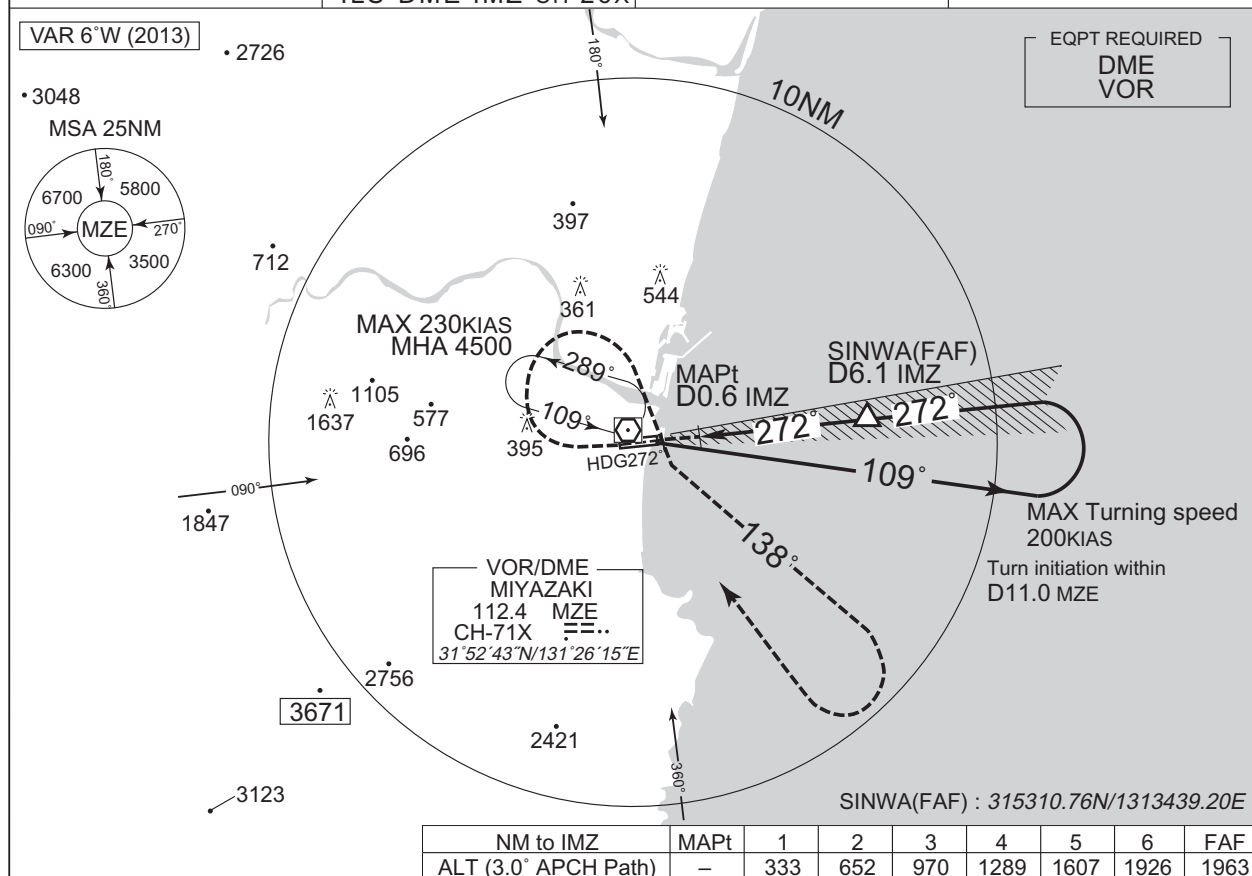
MINIMA with Missed APCH climb gradient of 2.5% are not established.

INSTRUMENT APPROACH CHART

RJFM / MIYAZAKI

ILS Y or LOC Y RWY27

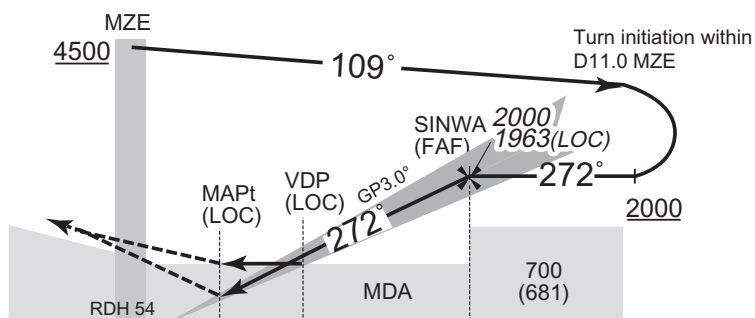
| | | | |
|---|--|--|------------------------------|
| KAGOSHIMA APP 121.4 – 362.3 120.9 – 261.2 | ILS-LOC 108.9 IMZ $\equiv \equiv \dots$ ILS-GP 329.3 ILS-DME IMZ CH-26X | MIYAZAKI TOWER 118.3 - 126.2 123.6 - 261.2 | RADAR AVBL ATIS 126.8 |
|---|--|--|------------------------------|



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

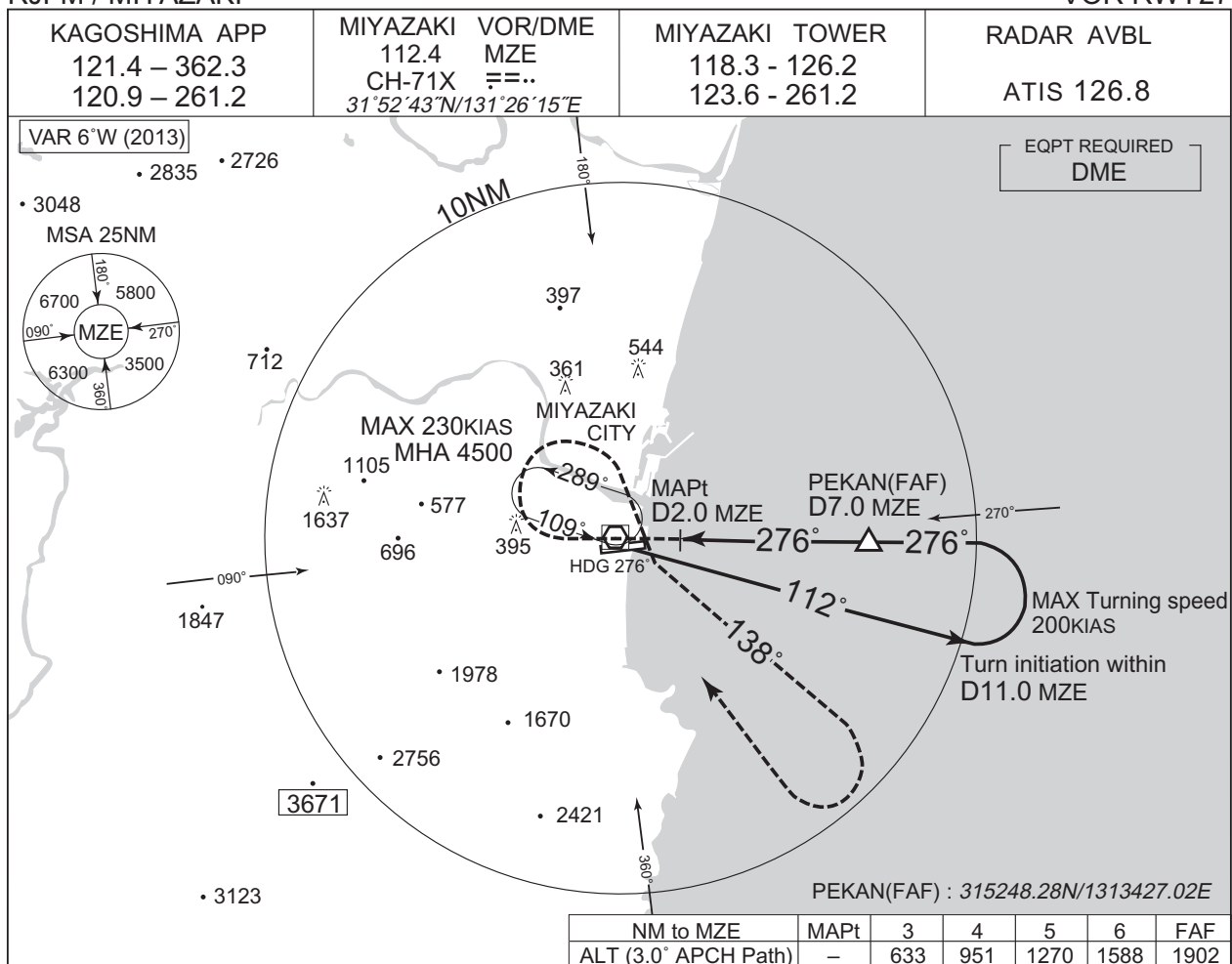
| CAT | CAT I | | LOC | | CIRCLING | |
|-----|-----------|---------|-----------|---------|-----------|------|
| | DA(H) | RVR/CMV | MDA(H) | RVR/CMV | MDA(H) | VIS |
| A | 221 (200) | 1000 | 270 (251) | 1500 | 520 (501) | 1600 |
| B | | | | 1600 | 650 (631) | 2400 |
| C | | | | 1800 | | 3200 |

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

INSTRUMENT APPROACH CHART

RJFM / MIYAZAKI

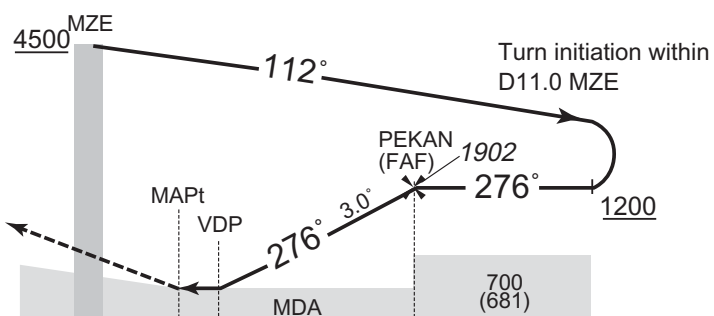
VOR RWY27



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 |

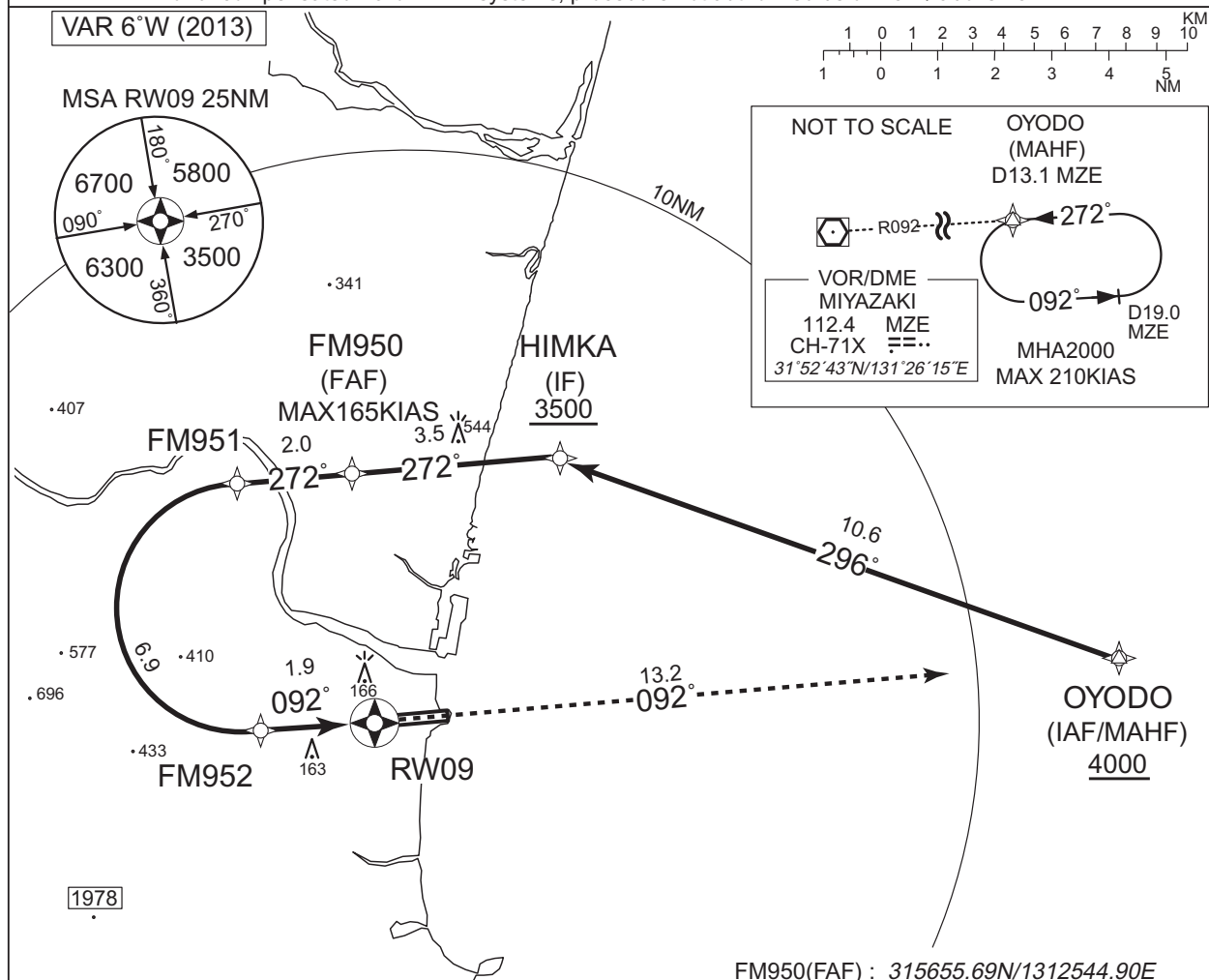
INSTRUMENT APPROACH CHART

RJFM / MIYAZAKI

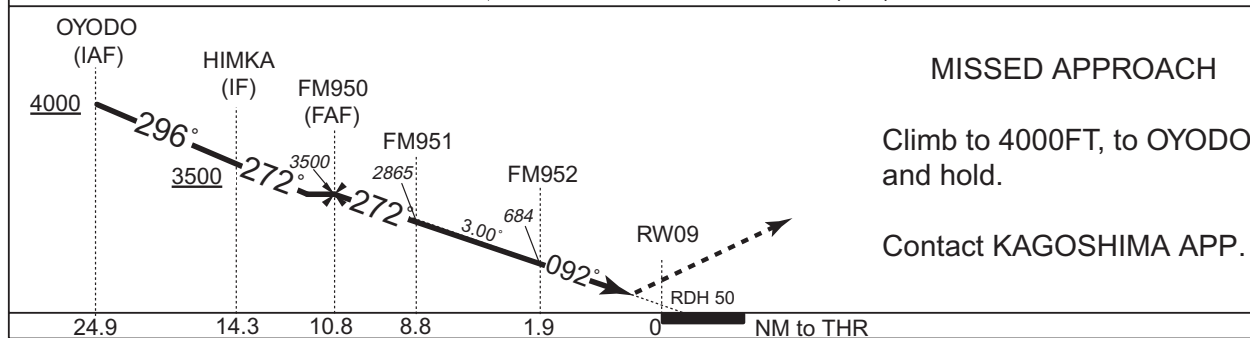
RNAV(RNP) Z RWY09

| | | | |
|---|-----------------------|--|--------------------------|
| KAGOSHIMA APP 121.4 – 362.3 120.9 – 261.2 | GNSS and RF required. | MIYAZAKI TOWER 118.3 – 126.2 123.6 – 261.2 | RADAR AVBL ATIS 126.8 |
|---|-----------------------|--|--------------------------|

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



FM950(FAF) : 315655.69N/1312544.90E



| 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) 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 (289.7) | -6.5 | 10.6 | — | +3500 | — | — | 1.0 |
| 003 | TF | FM950 | — | 272 (265.2) | -6.5 | 3.5 | — | 3500 | -165 | — | 1.0 |
| 004 | TF | FM951 | — | 272 (265.2) | -6.5 | 2.0 | — | 2865 | — | -3.00 | 0.3 |
| 005 | RF Center: FMRF1 r=2.18NM | FM952 | — | — | -6.5 | 6.9 | L | 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 |
|---------------------|------------------------|--------------------------|------------------------|
| 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 | | |

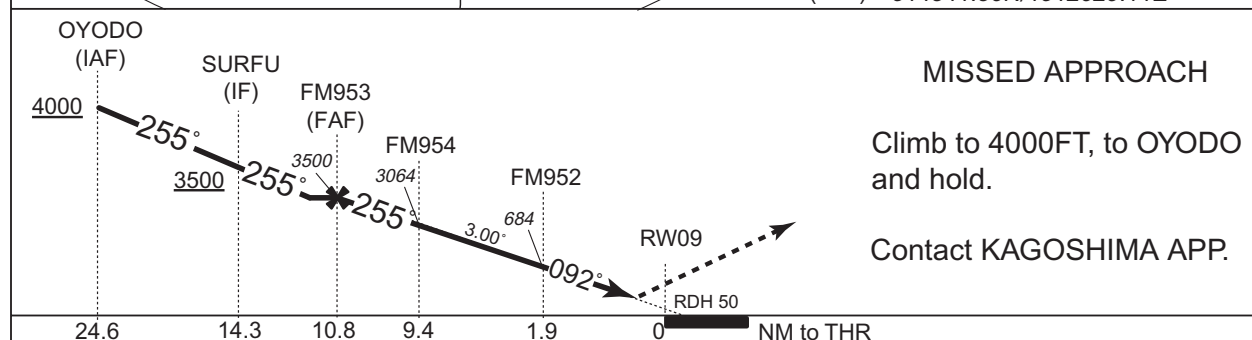
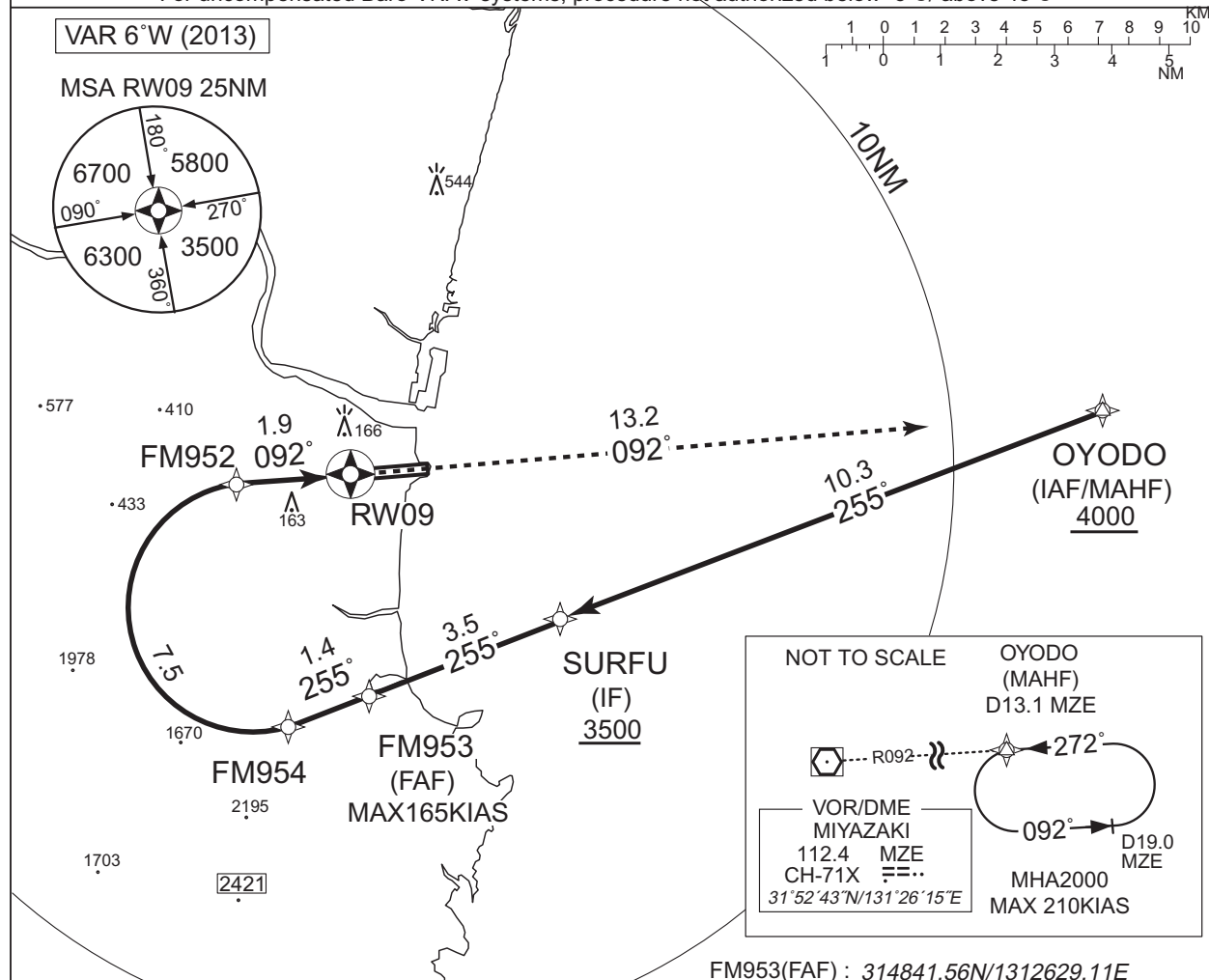
INSTRUMENT APPROACH CHART

RJFM / MIYAZAKI

RNAV(RNP) Y RWY09

| | | | |
|---|-----------------------|--|--------------------------|
| KAGOSHIMA APP 121.4 – 362.3 120.9 – 261.2 | GNSS and RF required. | MIYAZAKI TOWER 118.3 – 126.2 123.6 – 261.2 | RADAR AVBL 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

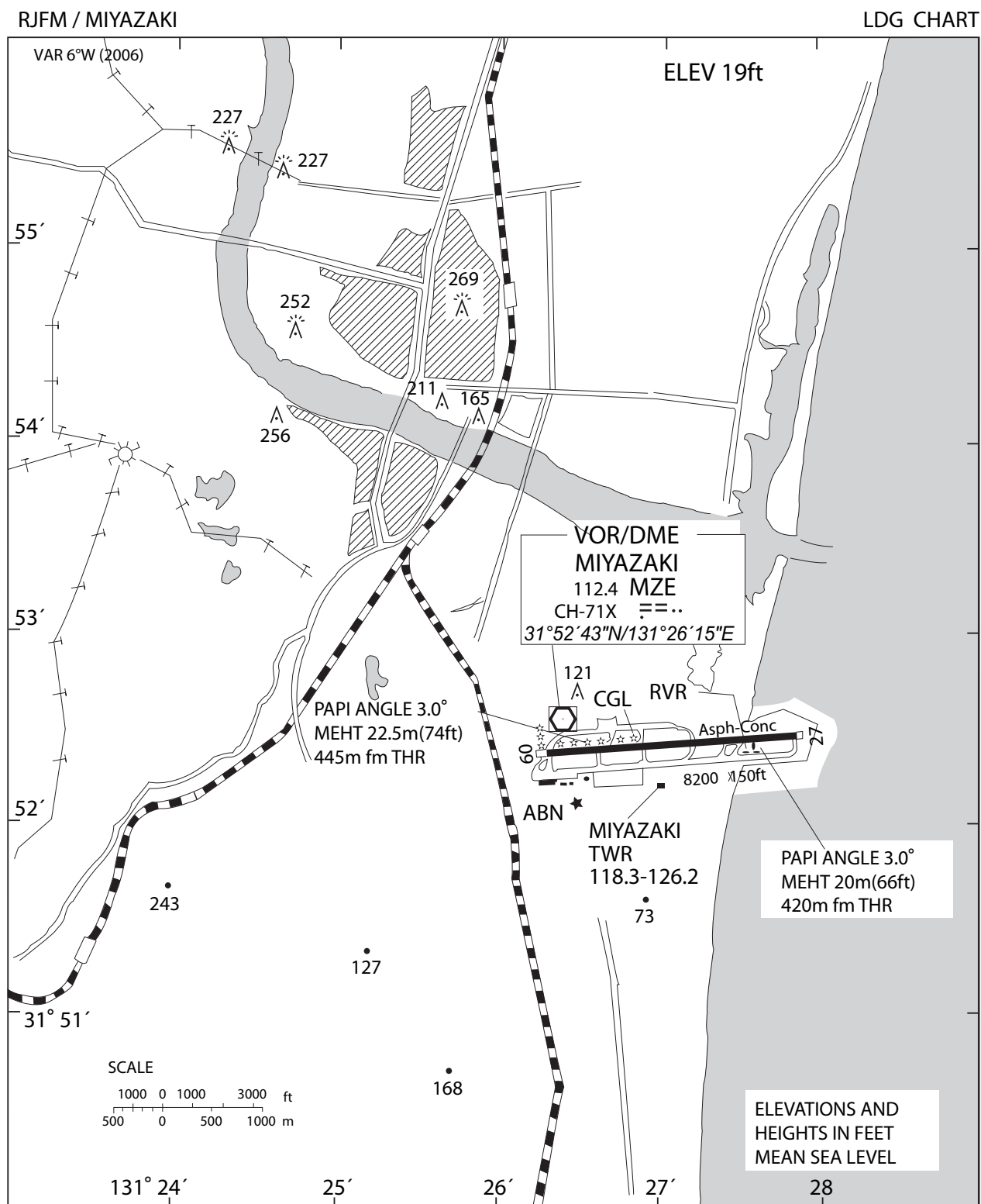
| Waypoint Identifier | Coordinates | RF Arc Center Identifier | Coordinates |
|---------------------|------------------------|--------------------------|------------------------|
| SURFU | 314957.66N/1313018.83E | FMRF2 | 315013.85N/1312403.51E |
| FM953 | 314841.56N/1312629.11E | | |
| FM954 | 314811.70N/1312459.11E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

RJFM / MIYAZAKI

Visual REP



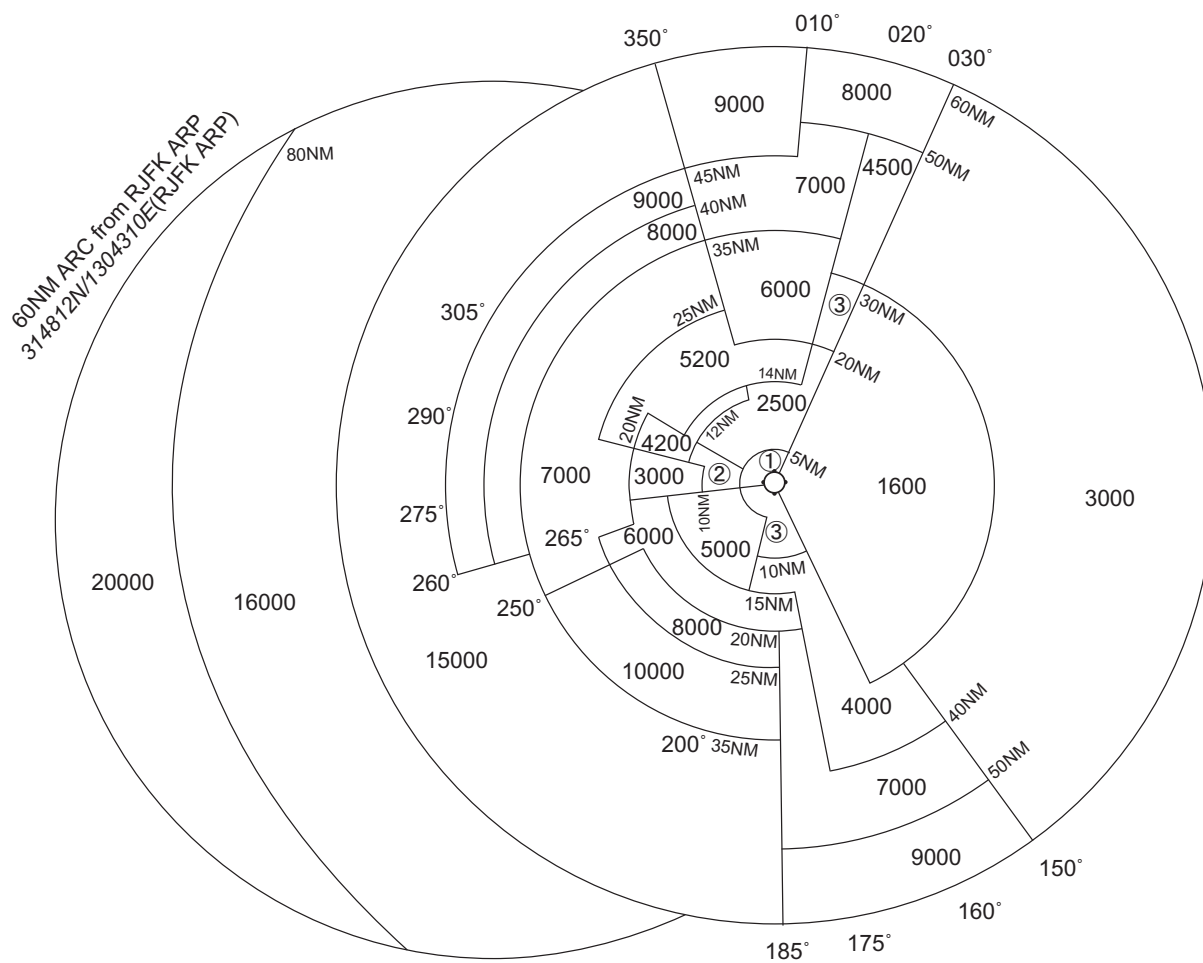
| Call sign | BRG / DIST from ARP | Remarks |
|--------------------|---------------------|--------------------------------|
| 有 田 Arita | 318°/6.5NM | 東九州自動車道大淀川橋 Bridge |
| 相 生 Aioi | 336°/5.3NM | 宮崎西環状線相生橋 Bridge |
| 塩 路 Shioji | 022°/5.7NM | 一ツ葉有料道路一ツ葉 P A Parking Area |
| 一 ツ 葉 Hitotsuba | 023°/3.3NM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



RJFM / MIYAZAKI

Minimum Vectoring Altitude CHART

VAR 7°W (2017)



CHANGE : Update