

## 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.

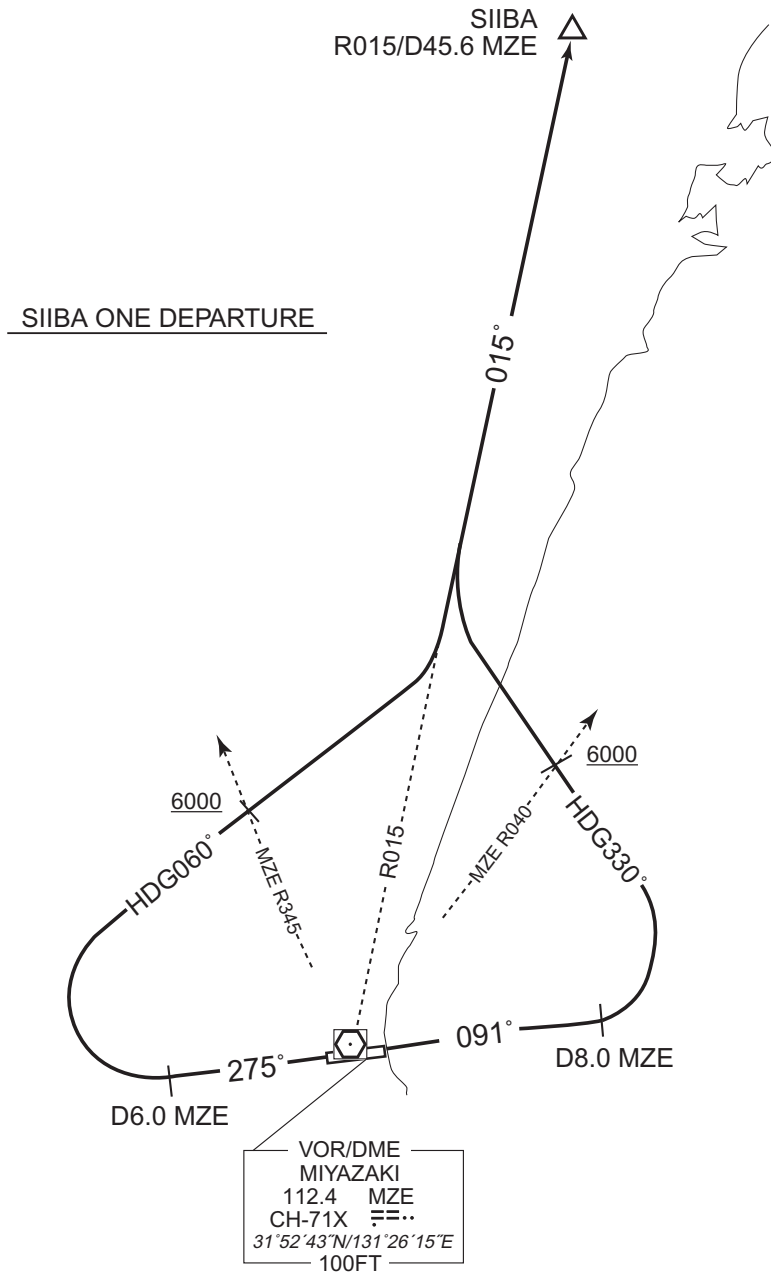
Cross MZE R345 at or above 6000FT.

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 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><b>KIZAK TWO DEPARTURE</b></p> <p><b>MADOG TRANSITION</b></p> <p><b>KIZAK</b> 314410.0N 1313731.3E</p> <p><b>FM700</b> 315212.0N 1312058.4E</p> <p><b>FM701</b> 315749.2N 1312024.8E</p> <p><b>FM702</b> 315813.1N 1312556.5E</p> <p><b>MADOG</b> 320730.7N 1322346.5E</p> <p><b>HIROS</b> 315530.2N 1321230.5E 11000</p> <p><b>VOR/DME MIYAZAKI</b> 112.4 MZE CH-71X 31°52'43"N/131°26'15"E 100FT</p>		
CHANGE : Critical DME	<b>KIZAK TWO DEPARTURE</b> RWY09 : Climb on HDG092° at or above 500FT, direct to KIZAK. RWY27 : Climb on HDG272° at or above 500FT, direct to FM700, to FM701, to FM702, to KIZAK. NOTE RWY09: 5.0% climb gradient required up to 500FT. NOTE RWY27: 7.0% climb gradient required up to 900FT.	
	<b>MADOG TRANSITION</b> 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 (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 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 (085.2)	-7.2	—	—	+1000	—	—	RNAV1
002	DF	FM900	—	—	-7.2	—	L	—	—	—	RNAV1
003	TF	NASAK	—	287 (280.1)	-7.2	12.7	—	—	—	—	RNAV1
004	TF	LALAG	—	306 (298.6)	-7.2	29.4	—	—	—	—	RNAV1
005	TF	SASIK	—	305 (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 (265.2)	-7.2	—	—	+500	—	—	RNAV1
002	DF	FM703	—	—	-7.2	—	—	—	—	—	RNAV1
003	TF	NASAK	—	348 (340.6)	-7.2	8.4	—	—	—	—	RNAV1
004	TF	LALAG	—	306 (298.6)	-7.2	29.4	—	—	—	—	RNAV1
005	TF	SASIK	—	305 (298.3)	-7.2	9.2	—	—	—	—	RNAV1

CHANGE : New PROC.

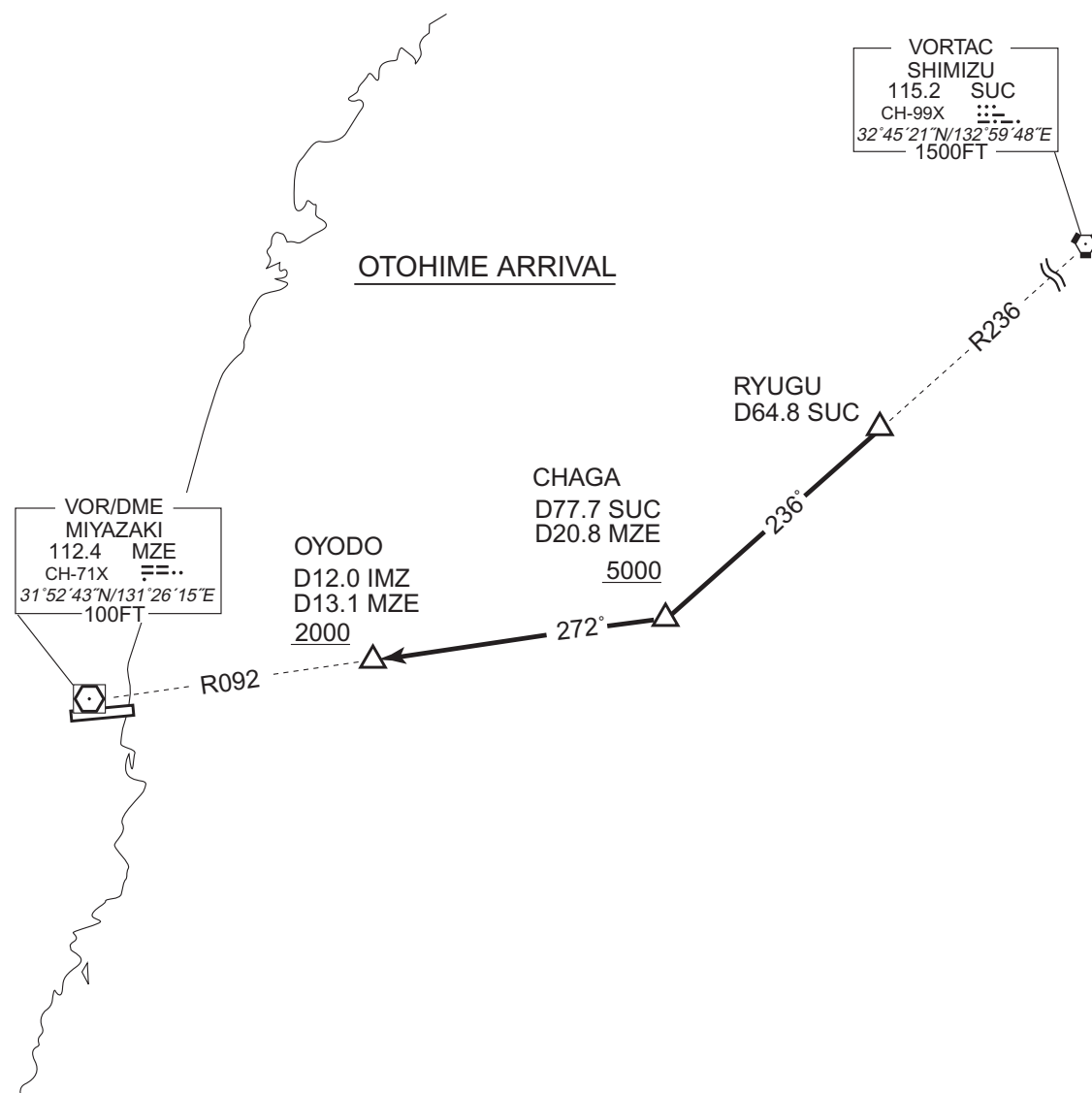
STANDARD ARRIVAL CHART - INSTRUMENT

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

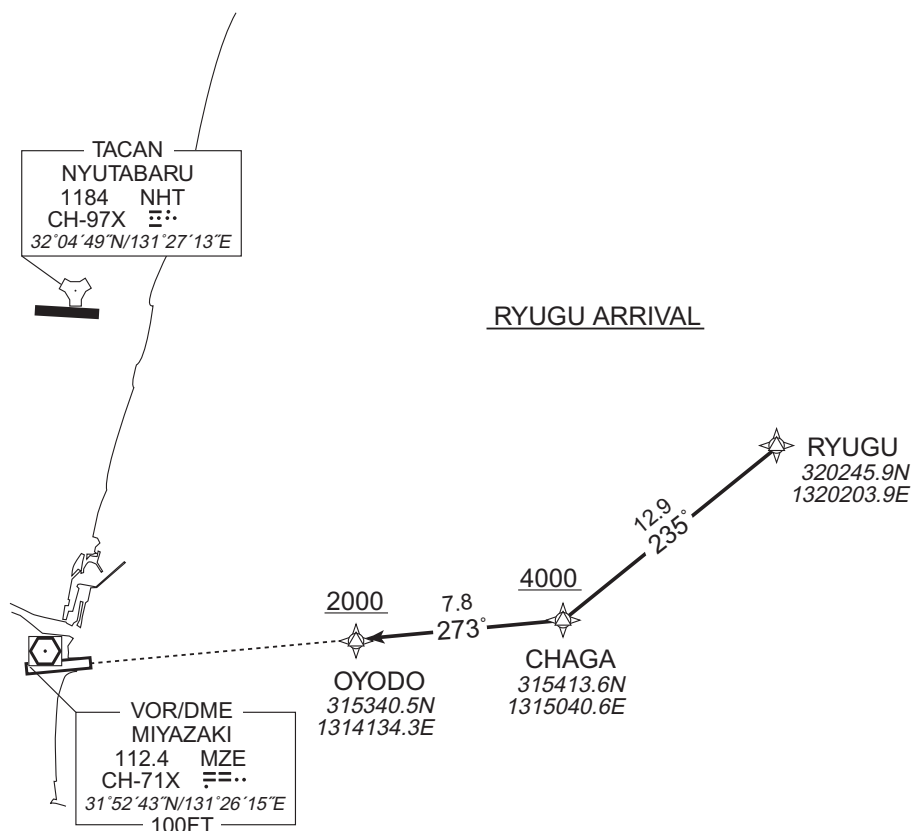
RNAV STAR

## 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

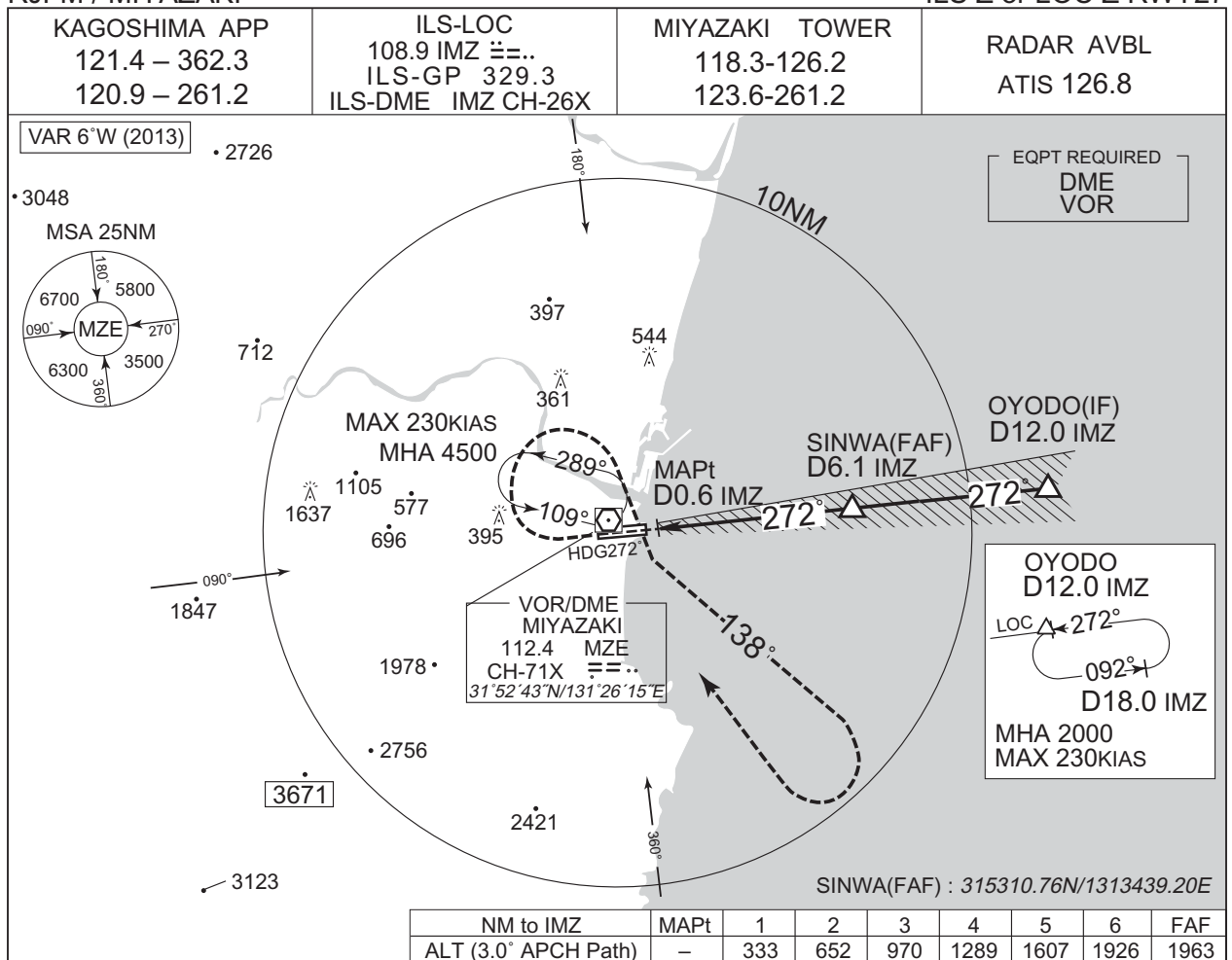
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	RYUGU	—	—	-6.8	—	—	—	—	—	RNAV1
002	TF	CHAGA	—	235 (228.6)	-6.8	12.9	—	+4000	—	—	RNAV1
003	TF	OYODO	—	273 (266.0)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

CHANGE : Critical DME

## INSTRUMENT APPROACH CHART

RJFM / MIYAZAKI

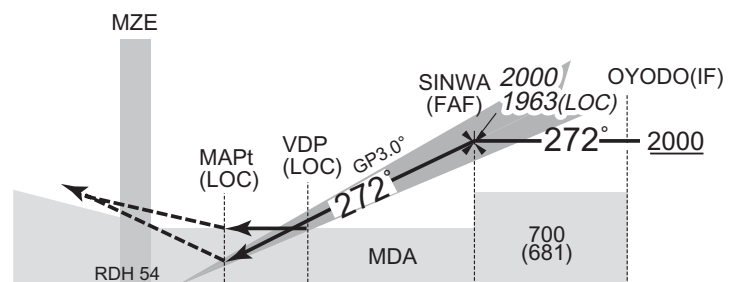
ILS Z or LOC Z RWY27



## 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/ 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						

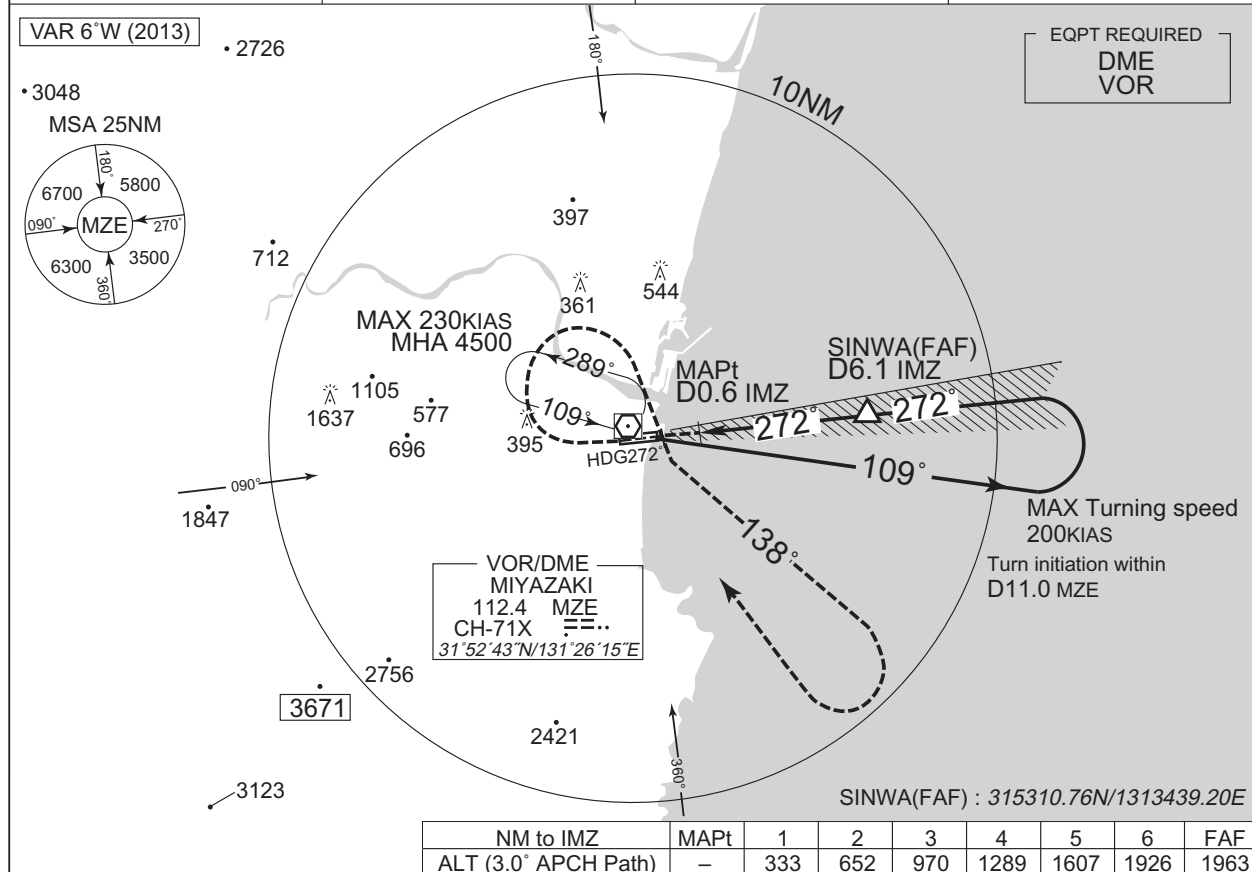
MINIMA with Missed APCH climb gradient of 2.5% are not established.

## INSTRUMENT APPROACH CHART

RJFM / MIYAZAKI

ILS Y or LOC Y RWY27

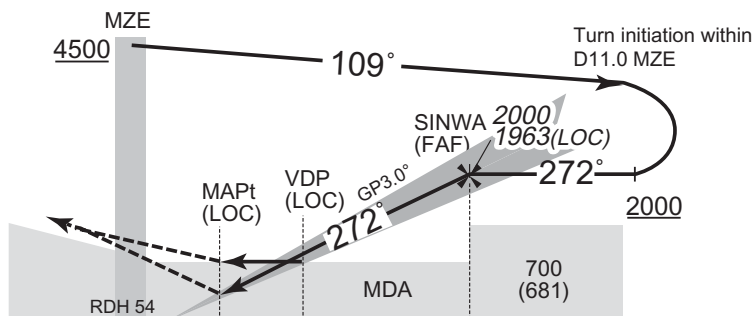
KAGOSHIMA APP 121.4 – 362.3 120.9 – 261.2	ILS-LOC 108.9 IMZ $\equiv$ .. ILS-GP 329.3 ILS-DME IMZ CH-26X	MIYAZAKI TOWER 118.3 - 126.2 123.6 - 261.2	RADAR AVBL  ATIS 126.8
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## MISSED APPROACH

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

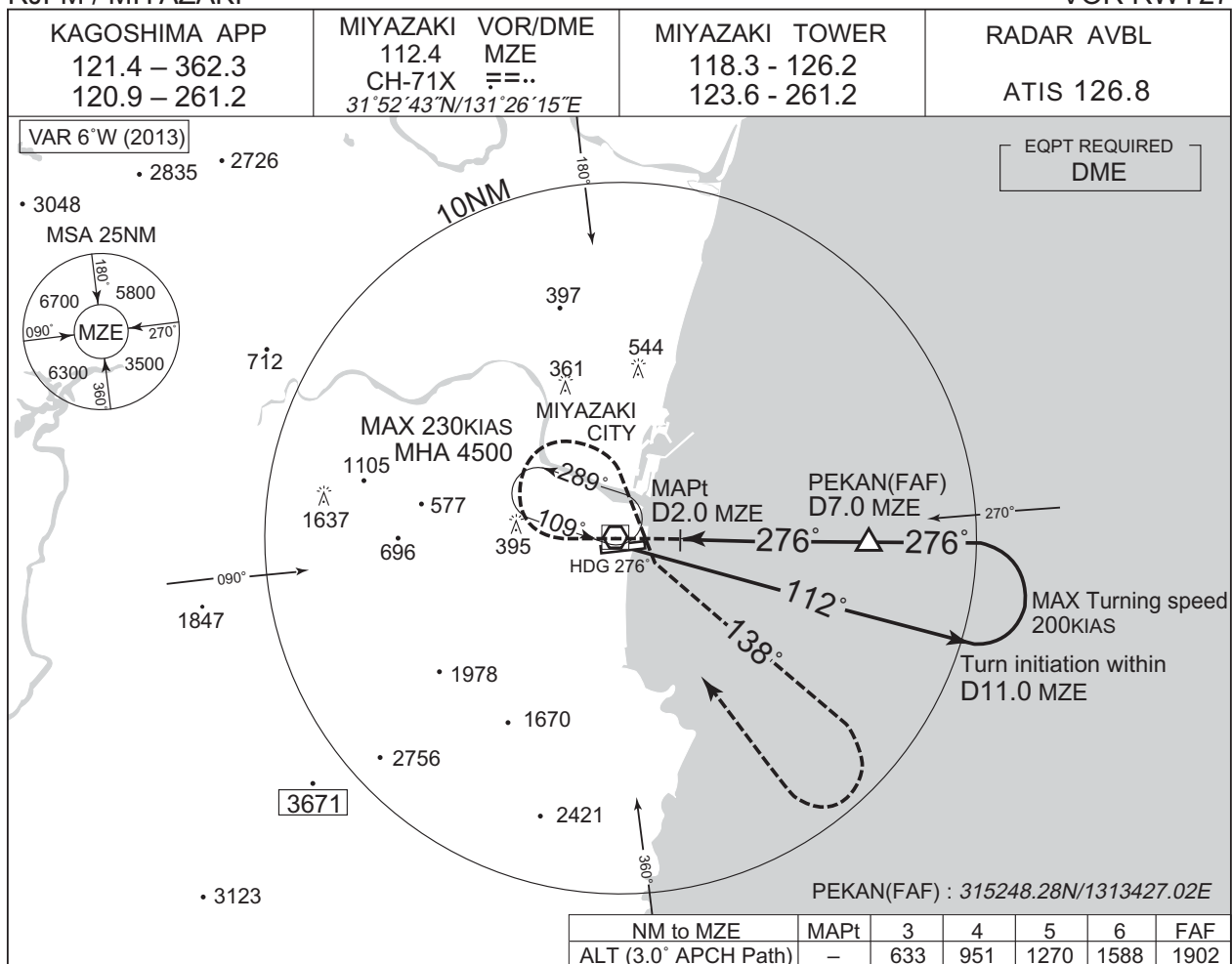
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	221 (200)	1000	270 (251)	1500	520 (501)	1600
B				1600		
C				1800	650 (631)	2400
D						

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

## INSTRUMENT APPROACH CHART

RJFM / MIYAZAKI

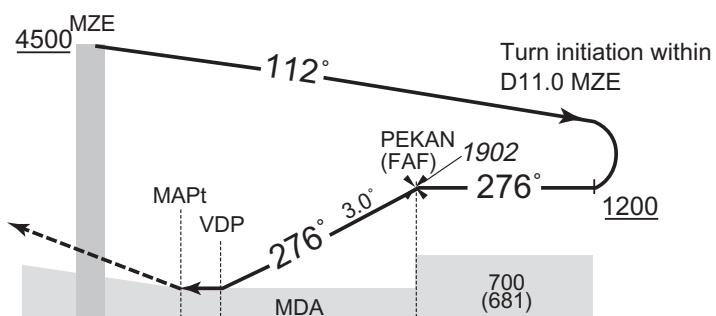
VOR RWY27



## 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

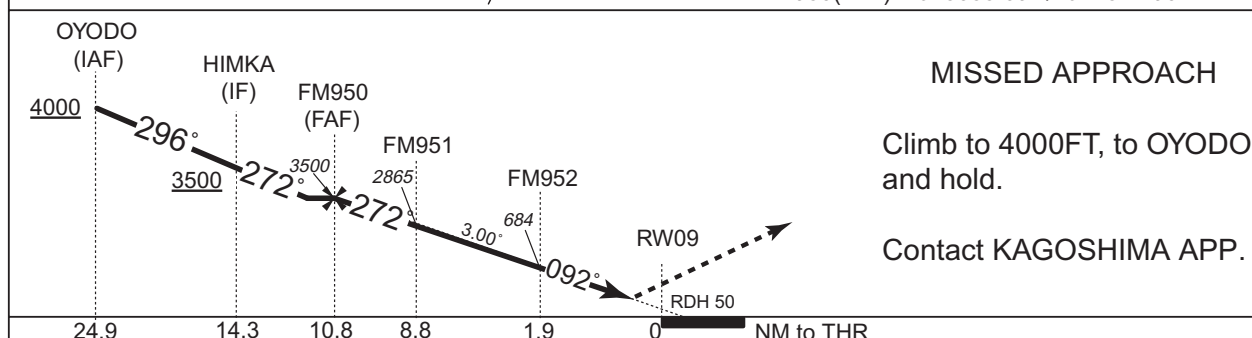
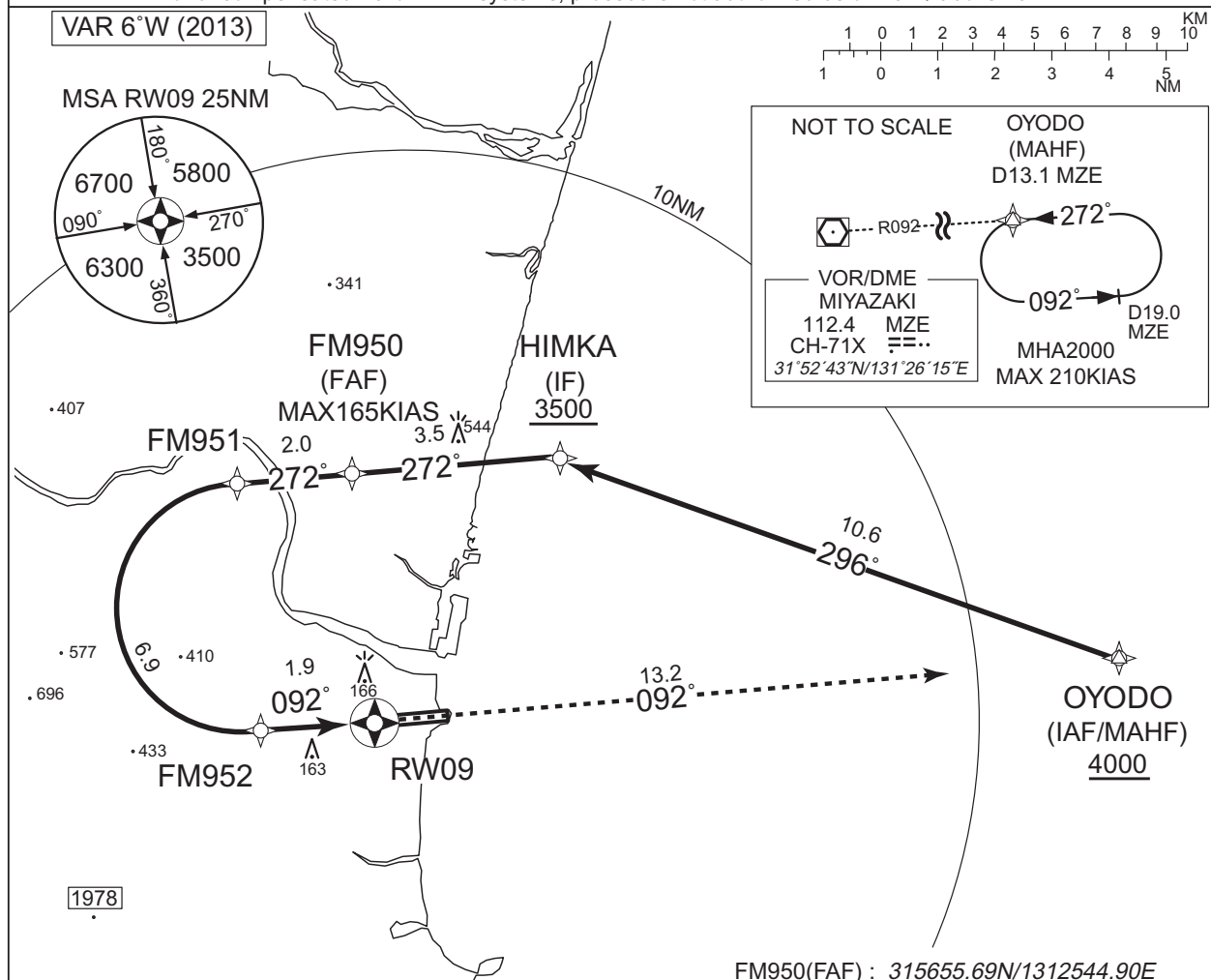
INSTRUMENT APPROACH CHART

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
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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) 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		



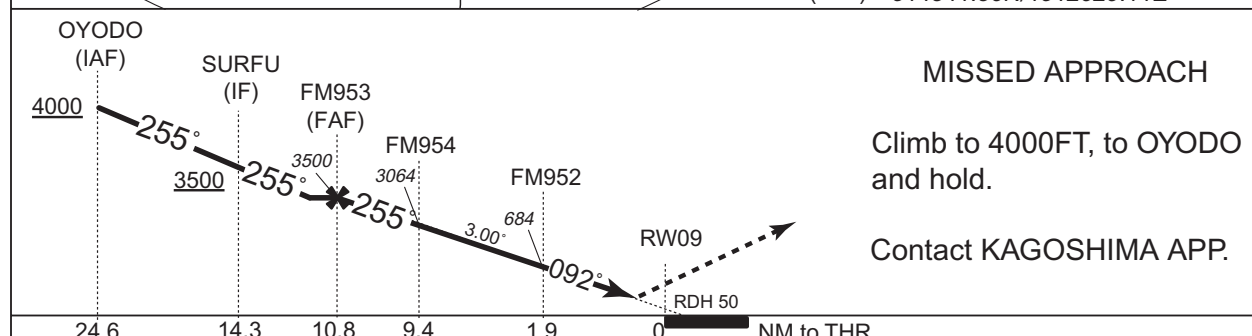
INSTRUMENT APPROACH CHART

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
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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

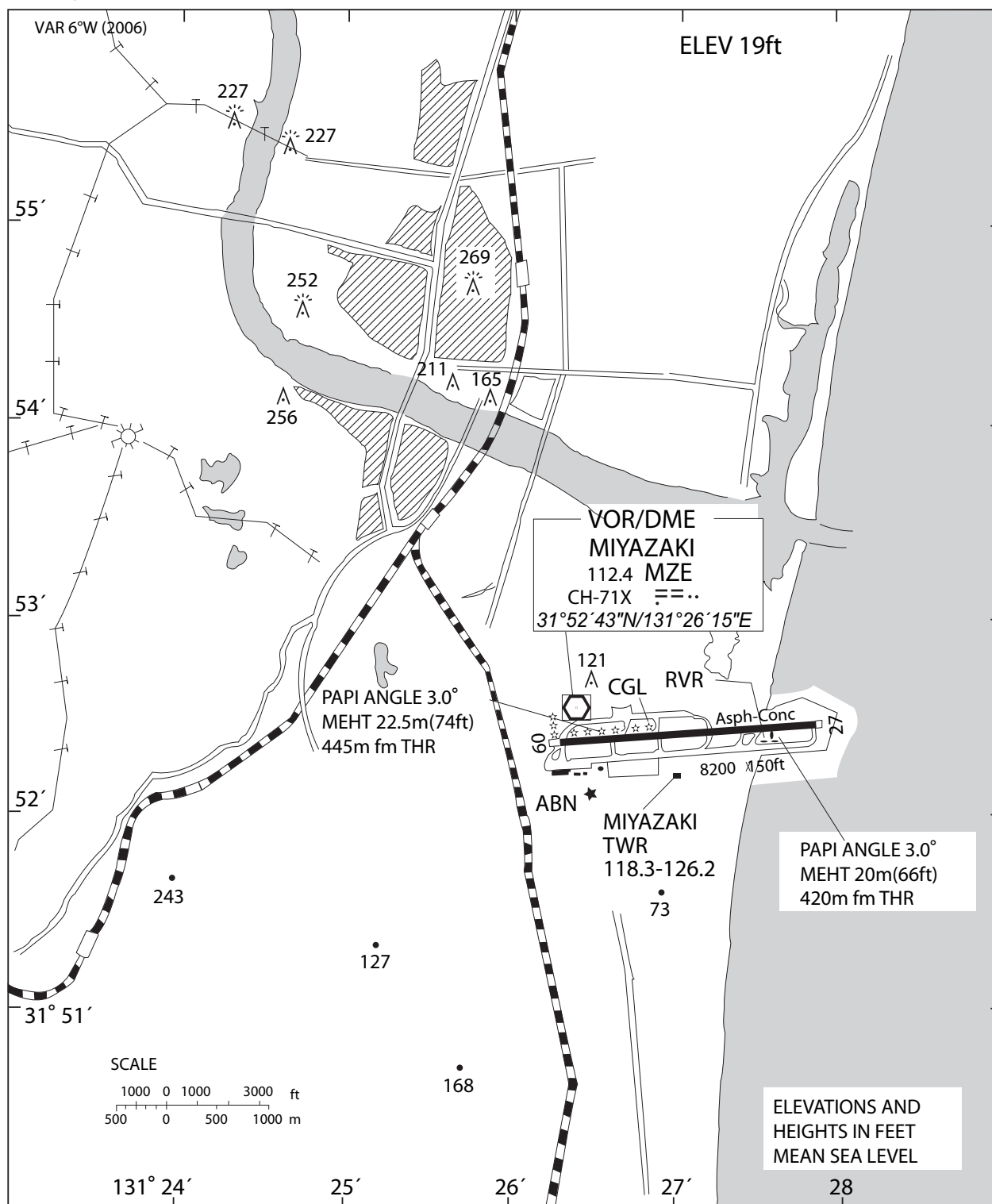
Visual REP



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

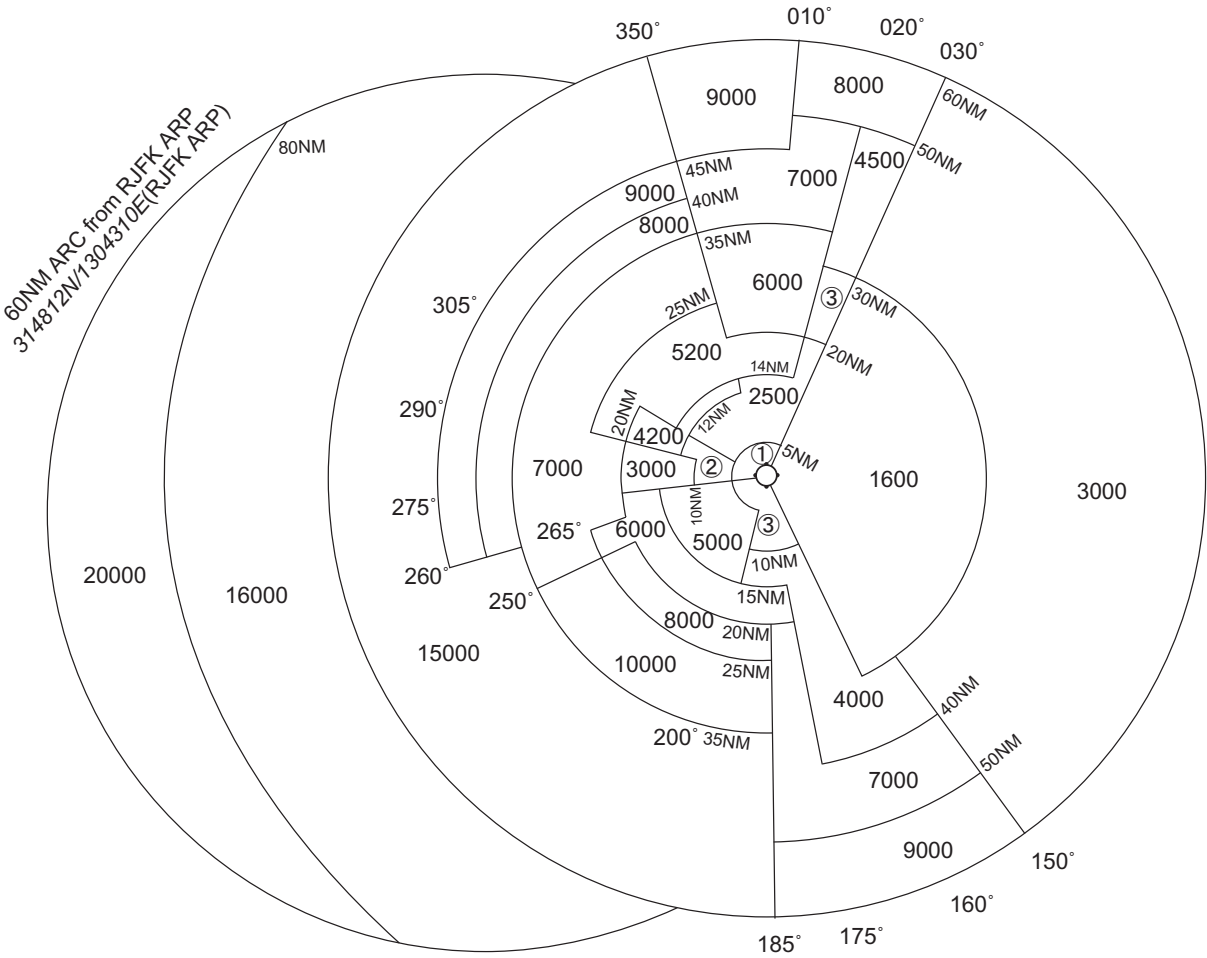
LDG CHART



RJFM / MIYAZAKI

Minimum Vectoring Altitude CHART

VAR 7°W (2017)



CHANGE : Update