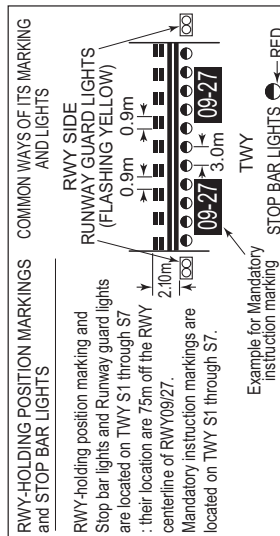
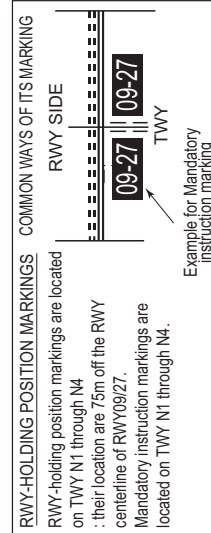


AD CHART

MIYAZAKI AP



REMARKS :	PCN	114/F/D/X/T
STRENGTH OF RWY		
WIDTH & STRENGTH OF TWY		
S1	26.5m	PCN 97/F/C/X/T
S2, S7	28.5m	PCN 72/F/A/X/T
S3, S4, S5	34m	PCN 69/F/B/X/T
S6	30m	PCN 59/F/A/X/T
SP1	23m	PCN 109/F/C/X/T
SP2, SP3	23m	PCN 74/R/C/X/T
SP4, SP5	23m	PCN 104/F/C/X/T
SP6	23m	PCN 72/F/A/X/T
N1, N2, N3, N4	18m	5,700kg / 0.48MPa
NP1, NP2, NP3	18m	5,700kg / 0.48MPa
STRENGTH OF APRON		
SPOT 1 THRU 10		PCN 74/R/B/X/T
SPOT 11		PCN 74/R/C/X/T
SPOT 12 THRU 17		PCN 58/F/C/X/T
HEI LPAD MARKINGS		
LOCATED ON TWY S3 & S4		

LONGITUDINAL PROFILE OF RWY

LONGITUDINAL PROFILE OF RWY 1											
RWY 09						RWY 27					
15.1ft	15.7ft	16.7ft	17.1ft	17.4ft	18.4ft	19.4ft	20.0ft	18.4ft	20.0ft	20.7ft	
0.22%	0.16%	0.04%	0.09%	0.23%	0.20%	0.09%	0.25%	0.23%	0.17%		
						LEVEL					
0m	81m	280m	440m	620m	740m	880m	1200m	1486m	1760m	1860m	
											2500m

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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

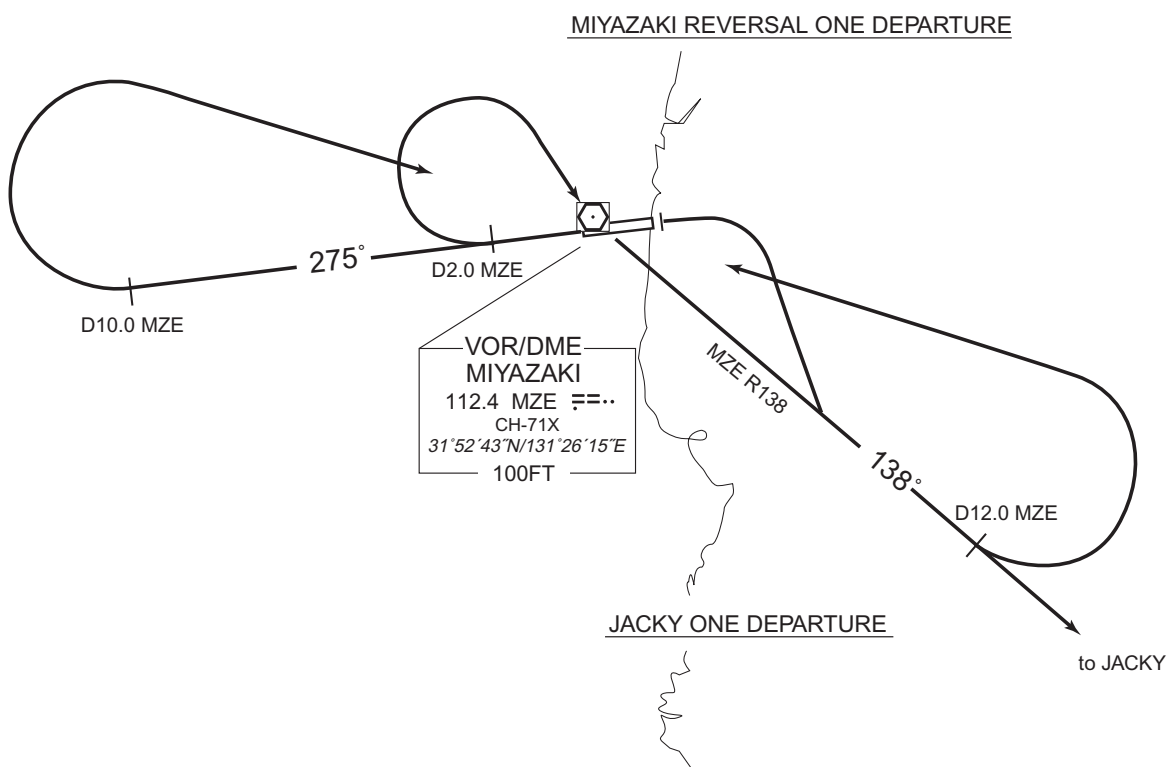
RWY 27 : Climb RWY HDG to MZE 2.0DME, turn right, direct to MZE VOR/DME,...

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> <div>VAR 7° W(2020)</div> </div>		
<div> <div>KIZAK TWO DEPARTURE</div> <p> 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. </p> </div>		
<div> <div>MADOG TRANSITION</div> <p>From KIZAK, to HIROS at or above 11000FT, to MADOG.</p> </div>		

CHANGE : VAR. Course FM HIROS 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)	-7.2	—	—	+500	—	—	RNAV1
002	DF	KIZAK	—	—	-7.2	—	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)	-7.2	—	—	+500	—	—	RNAV1
002	DF	FM700	—	—	-7.2	—	—	—	—	—	RNAV1
003	TF	FM701	—	002 (355.2)	-7.2	5.6	—	—	—	—	RNAV1
004	TF	FM702	—	092 (085.2)	-7.2	4.7	—	—	—	—	RNAV1
005	TF	KIZAK	—	152 (144.5)	-7.2	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	—	—	-7.2	—	—	—	—	—	RNAV1
002	TF	HIROS	—	076 (069.0)	-7.2	31.8	—	+11000	—	—	RNAV1
003	TF	MADOG	—	046 (038.4)	-7.2	15.4	—	—	—	—	RNAV1

CHANGE : VAR. Course FM HIROS to MADOG.

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.

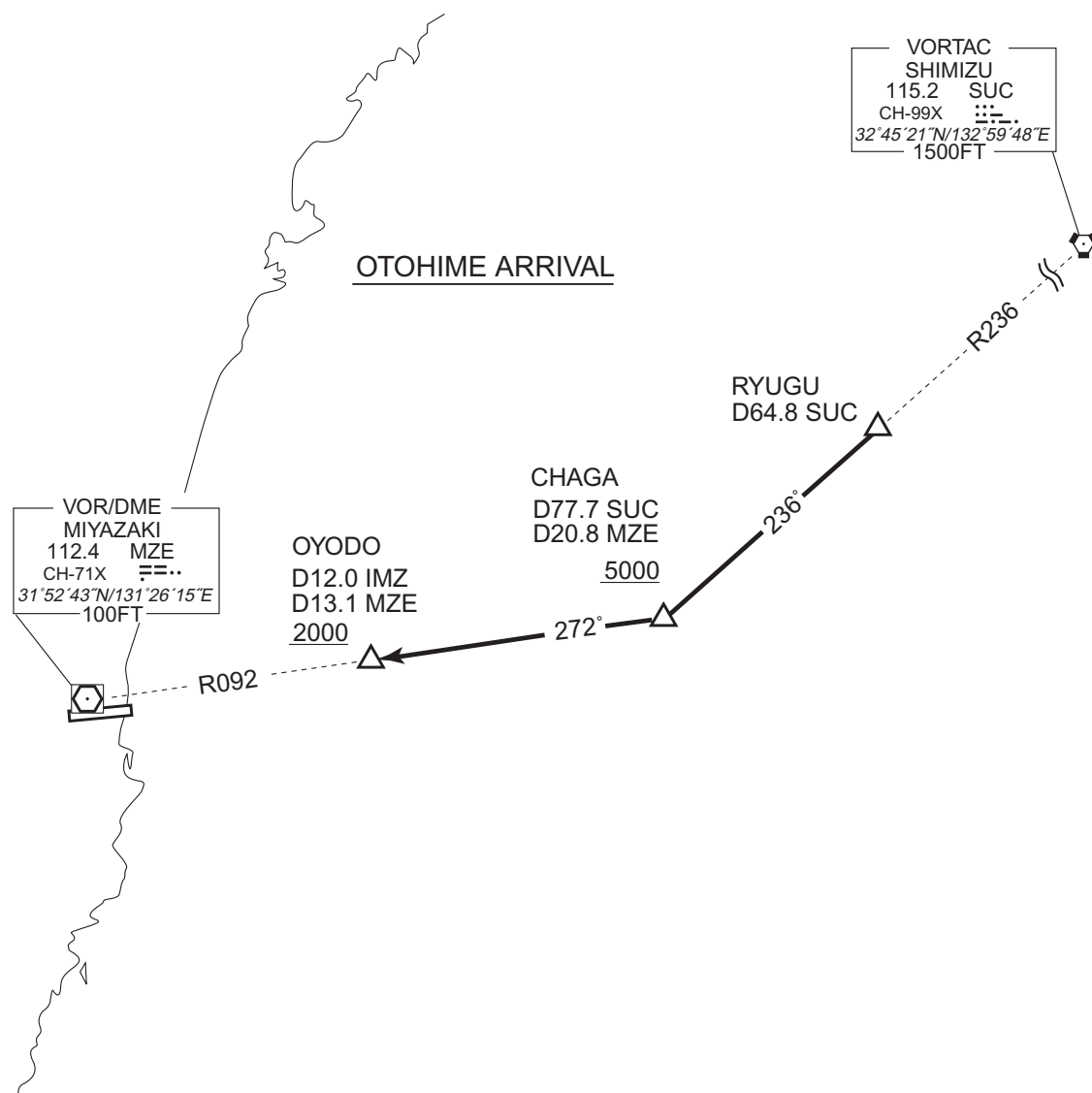
STANDARD ARRIVAL CHART - INSTRUMENT

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

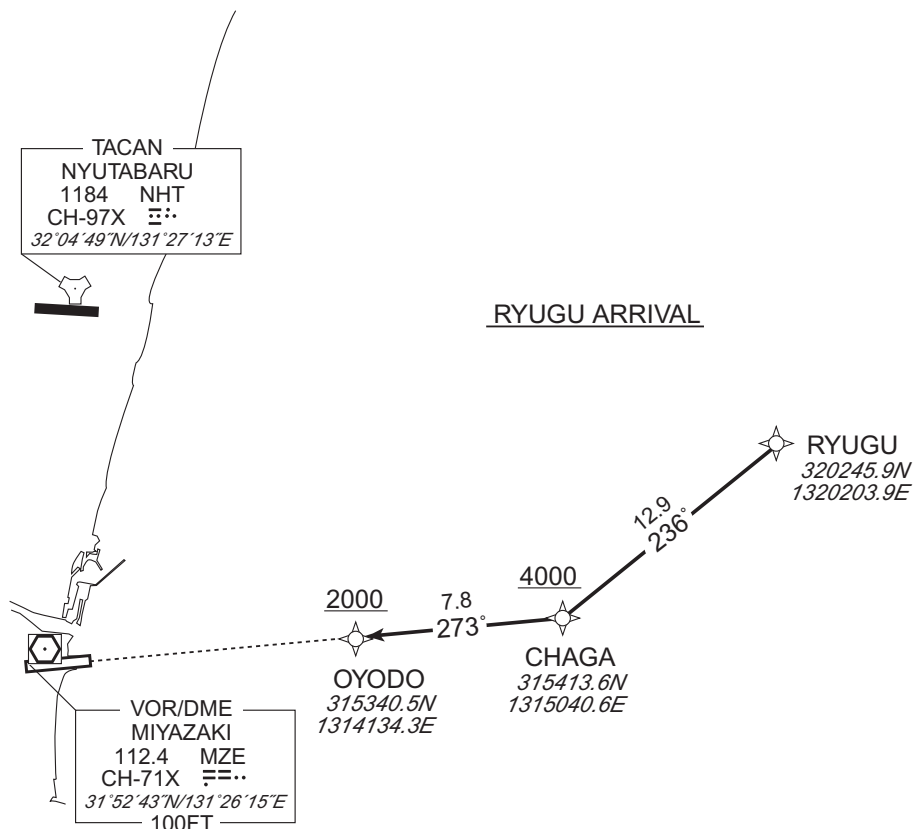
RNAV STAR

RYUGU ARRIVAL

RNAV1

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

VAR 7°W (2020)



RYUGU ARRIVAL

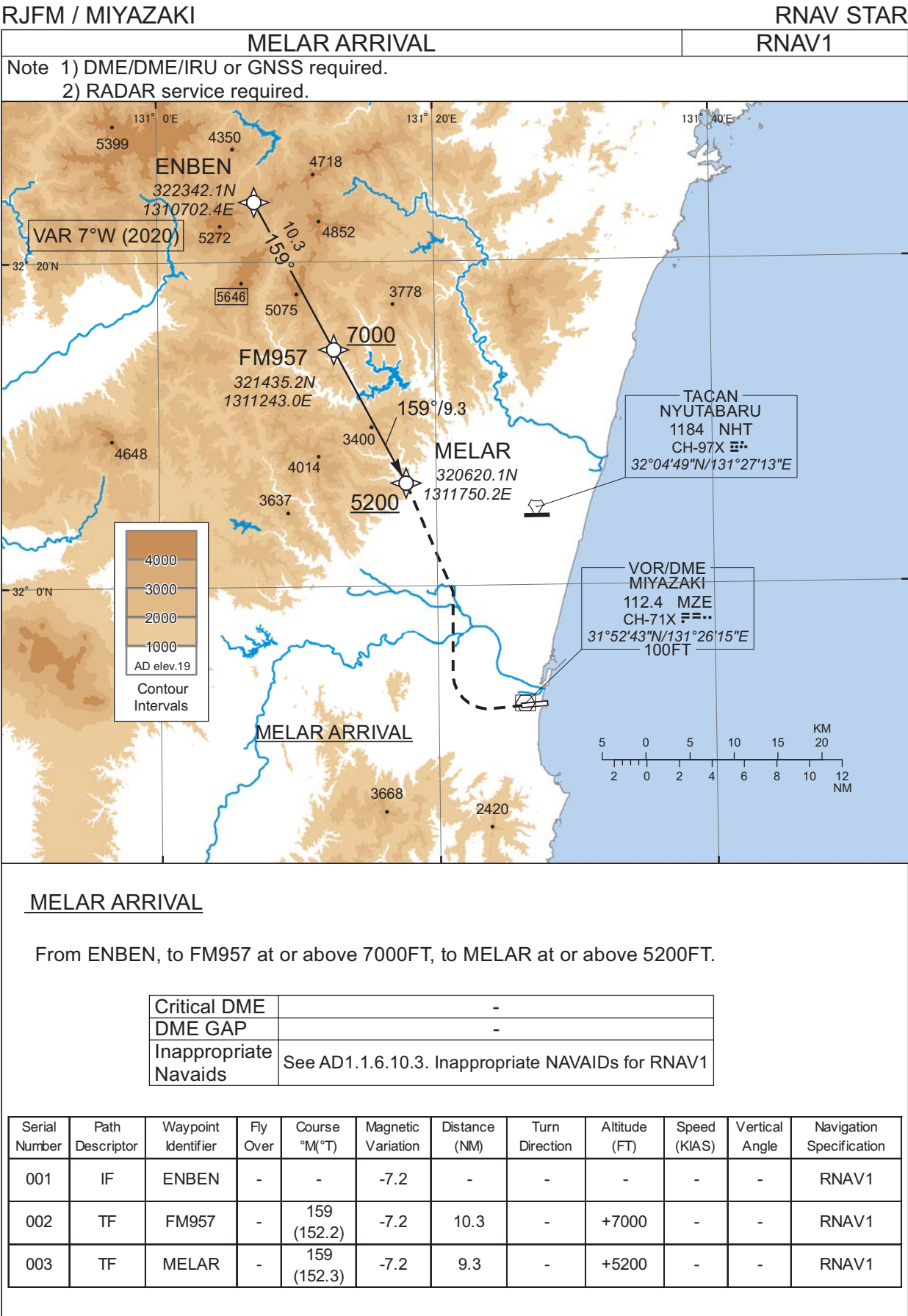
From RYUGU, to CHAGA at or above 4000FT, to OYODO at or above 2000FT.

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	—	—	-7.2	—	—	—	—	—	RNAV1
002	TF	CHAGA	—	236 (228.6)	-7.2	12.9	—	+4000	—	—	RNAV1
003	TF	OYODO	—	273 (266.0)	-7.2	7.8	—	+2000	—	—	RNAV1

CHANGE : VAR. Course FM RYUGU to CHAGA.

STANDARD ARRIVAL CHART - INSTRUMENT



CHANGE : New PROC

STANDARD ARRIVAL CHART - INSTRUMENT

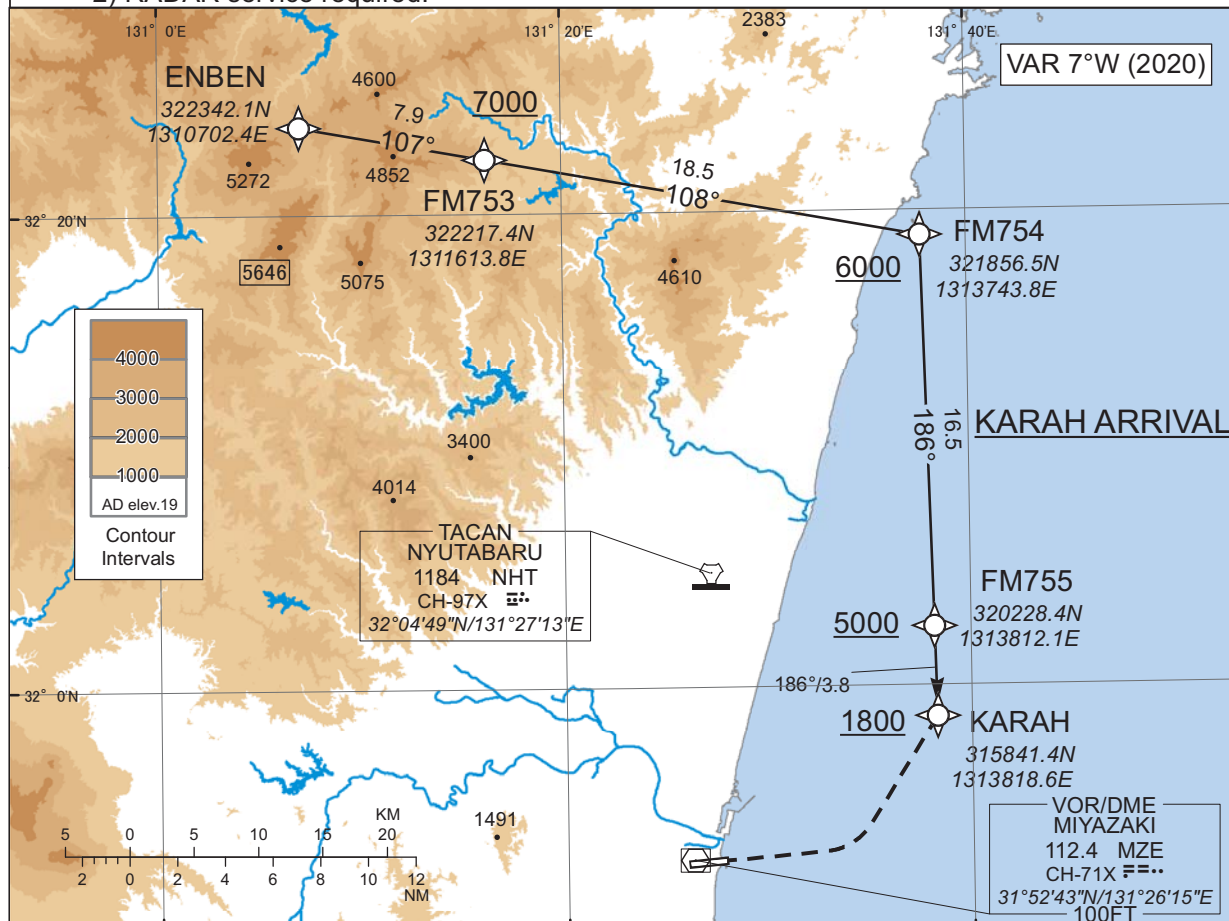
RJFM / MIYAZAKI

RNAV STAR

KARAH ARRIVAL

RNAV1

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



KARAH ARRIVAL

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 MZE : 14NM to FM755 - 2NM to FM755 NHT : 5NM to FM755 - KARAH
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	ENBEN	-	-	-7.2	-	-	-	-	-	RNAV1
002	TF	FM753	-	107 (100.3)	-7.2	7.9	-	+7000	-	-	RNAV1
003	TF	FM754	-	108 (100.3)	-7.2	18.5	-	+6000	-	-	RNAV1
004	TF	FM755	-	186 (178.6)	-7.2	16.5	-	+5000	-	-	RNAV1
005	TF	KARAH	-	186 (178.6)	-7.2	3.8	-	+1800	-	-	RNAV1

CHANGE : New PROC

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.



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



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
D						

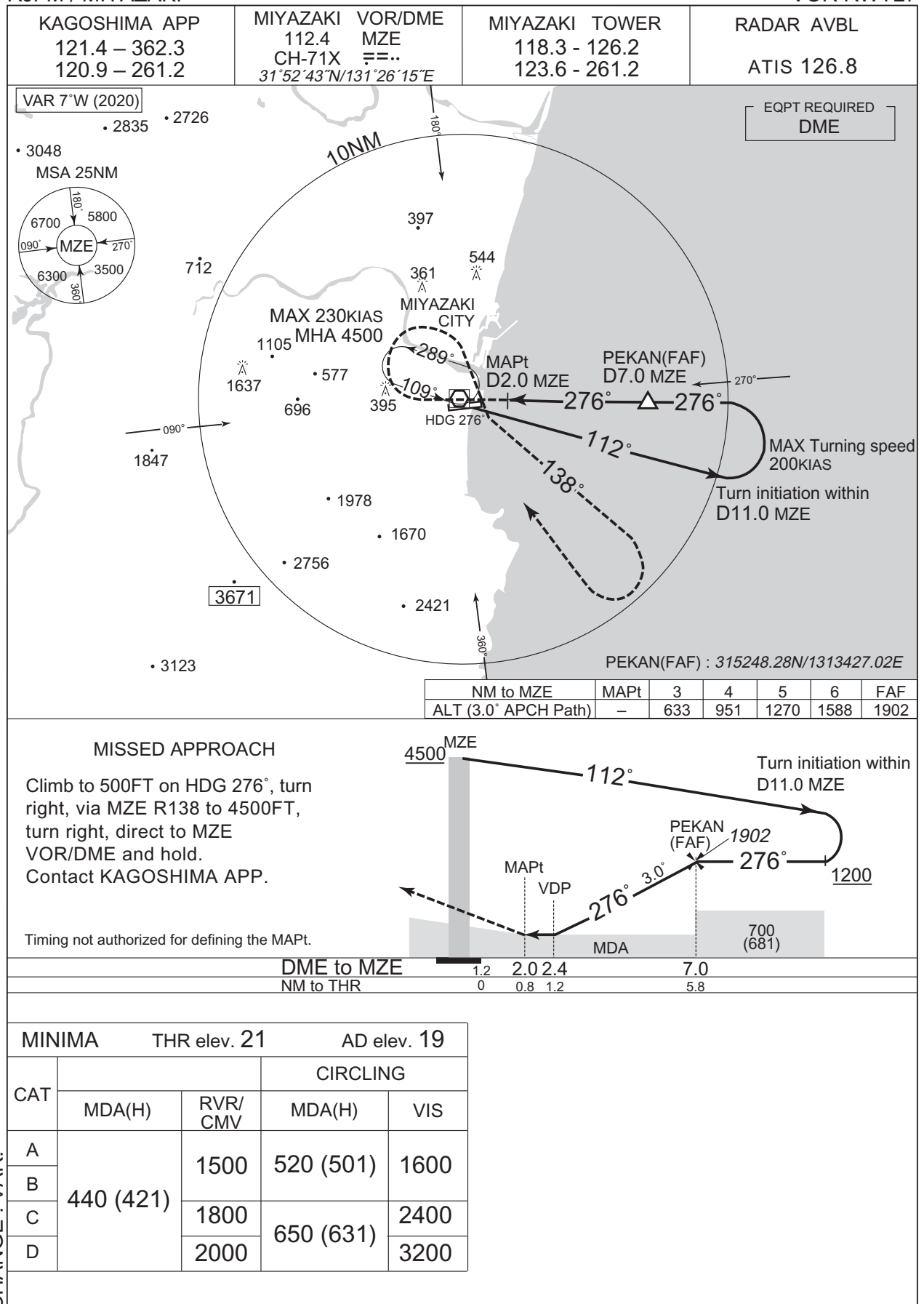
MINIMA with Missed APCH climb gradient of 2.5% are not established.

CHANGE : VAR.

INSTRUMENT APPROACH CHART

RJFM / MIYAZAKI

VOR RWY27

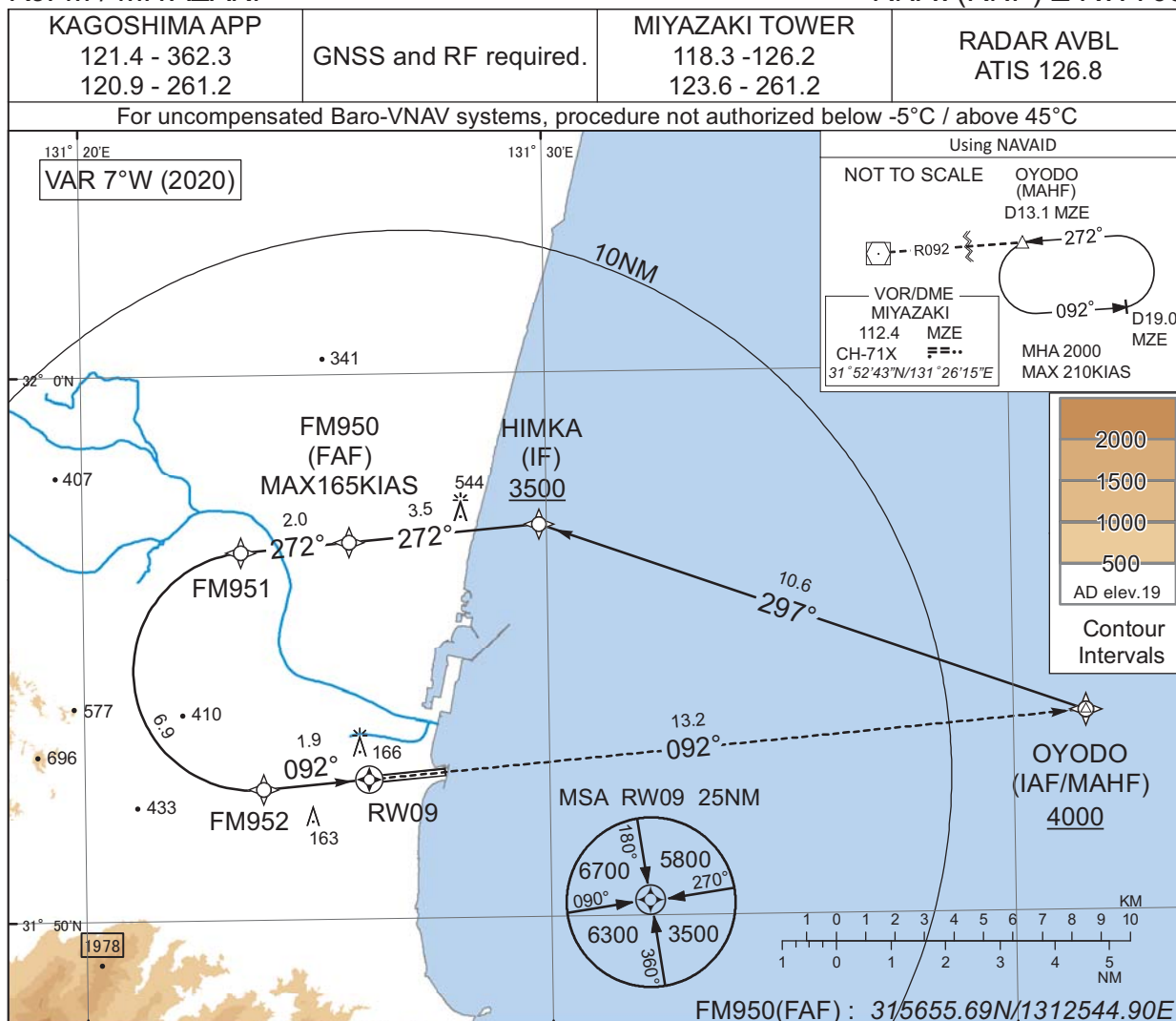


CHANGE : VAR.

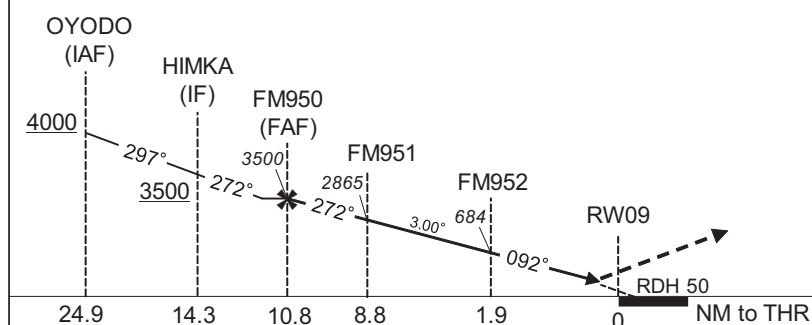
INSTRUMENT APPROACH CHART

RJFM / MIYAZAKI

RNAV(RNP) Z RWY09



CHANGE : VAR. Course FM OYODO to HIMKA.



MINIMA	THR elev. 15	AD elev. 19
CAT	RNP 0.30	
	DA(H)	CMV
A	-	-
B	-	-
C	327(312)	1400
D	327(312)	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	-	-	-7.2	-	-	+4000	-	-	-
002	TF	HIMKA	-	297 (289.7)	-7.2	10.6	-	+3500	-	-	1.0
003	TF	FM950	-	272 (265.2)	-7.2	3.5	-	3500	-165	-	1.0
004	TF	FM951	-	272 (265.2)	-7.2	2.0	-	2865	-	-3.00	0.3
005	RF Center: FMRF1 r=2.18NM	FM952	-	-	-7.2	6.9	L	684	-	-3.00	0.3
006	TF	RW09	Y	092 (085.1)	-7.2	1.9	-	65	-	-3.00/50	0.3
007	TF	OYODO	-	092 (085.1)	-7.2	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		

CHANGE : VAR. Course FM OYODO to HIMKA.

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



MISSED APPROACH

Climb to 4000FT, to OYODO and hold.

Contact KAGOSHIMA APP.

CHANGE : VAR. Course OYODO to FM954.

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	-	-	-7.2	-	-	+4000	-	-	-
002	TF	SURFU	-	256 (248.8)	-7.2	10.3	-	+3500	-	-	1.0
003	TF	FM953	-	256 (248.7)	-7.2	3.5	-	3500	-165	-	1.0
004	TF	FM954	-	256 (248.7)	-7.2	1.4	-	3064	-	-3.00	0.3
005	RF Center: FMRF2 r=2.18NM	FM952	-	-	-7.2	7.5	R	684	-	-3.00	0.3
006	TF	RW09	Y	092 (085.1)	-7.2	1.9	-	65	-	-3.00/50	0.3
007	TF	OYODO	-	092 (085.1)	-7.2	13.2	-	4000	-	-	1.0

Waypoint Coordinates

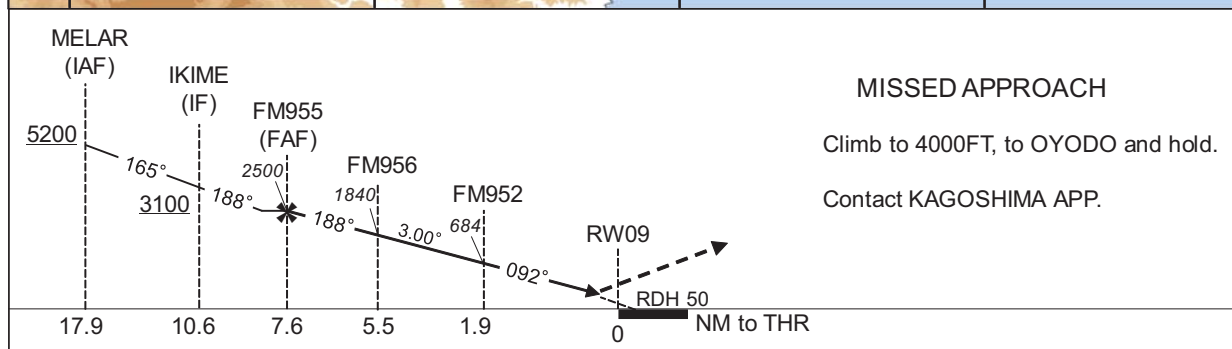
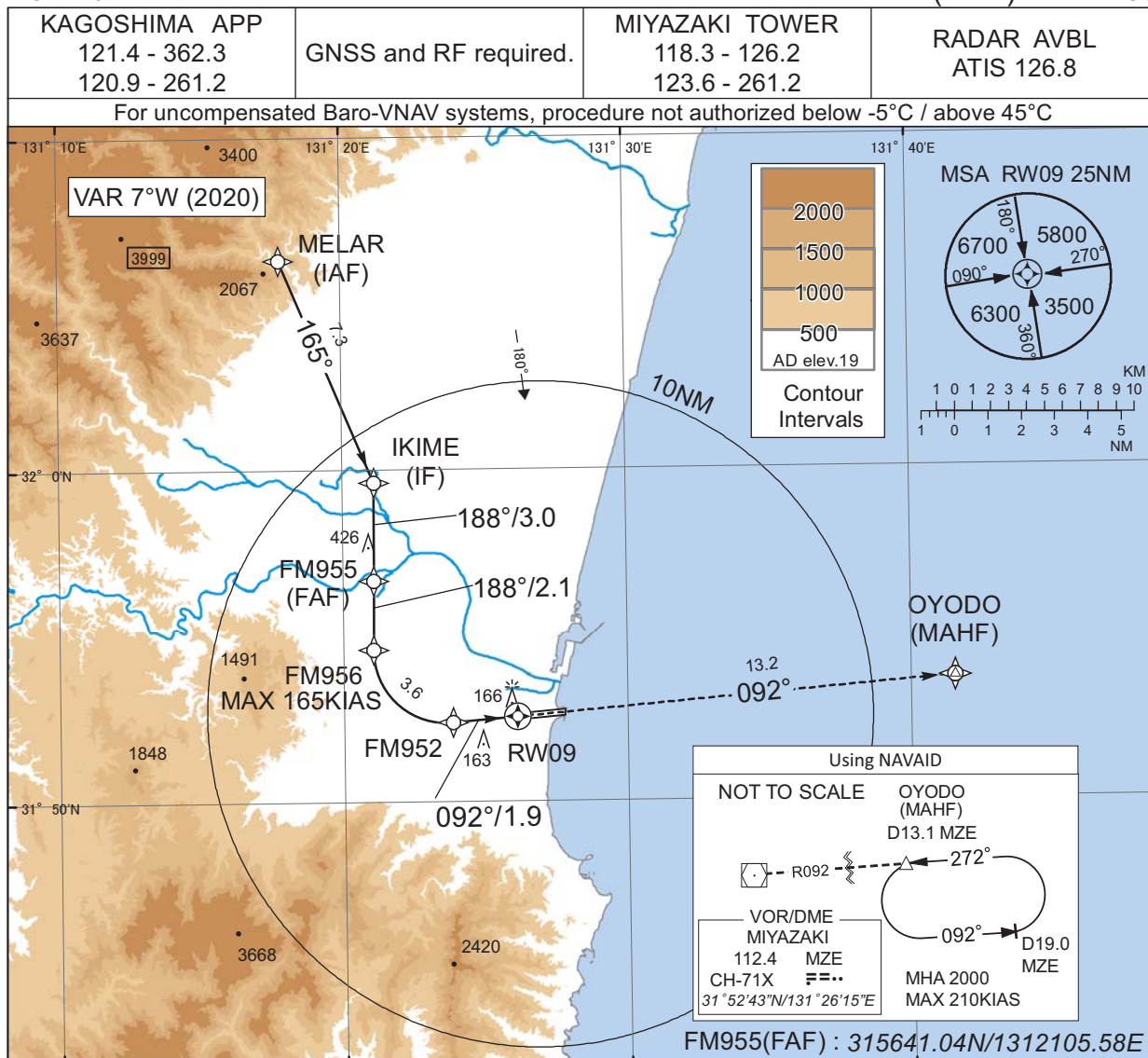
Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
SURFU	314957.66N / 1313018.83E	FMRF2	315013.85N / 1312403.51E
FM953	314841.56N / 1312629.11E		
FM954	314811.70N / 1312459.11E		
FM952	315224.44N / 1312350.57E		
RW09	315234.26N / 1312607.02E		
OYODO	315340.52N / 1314134.32E		

CHANGE : VAR. Course FM OYODO to FM954.

INSTRUMENT APPROACH CHART

RJFM / MIYAZAKI

RNAV(RNP) X RWY09



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

RNP AR

Special Authorization Required

INSTRUMENT APPROACH CHART

RJFM / MIYAZAKI

RNAV(RNP) X RWY09

RNAV(RNP) X 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	MELAR	-	-	-7.2	-	-	+5200	-	-	-
002	TF	IKIME	-	165 (157.4)	-7.2	7.3	-	+3100	-	-	0.3
003	TF	FM955	-	188 (180.6)	-7.2	3.0	-	2500	-	-	0.3
004	TF	FM956	-	188 (180.6)	-7.2	2.1	-	1840	-165	-3.00	0.3
005	RF Center: FMRF1 r=2.18NM	FM952	-	-	-7.2	3.6	L	684	-	-3.00	0.3
006	TF	RW09	Y	092 (085.1)	-7.2	1.9	-	65	-	-3.00/50	0.3
007	TF	OYODO	-	092 (085.1)	-7.2	13.2	-	4000	-	-	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 : New PROC

INSTRUMENT APPROACH CHART

RJFM / MIYAZAKI

RNAV(RNP) RWY27



CHANGE : New PROC

INSTRUMENT APPROACH CHART

RJFM / MIYAZAKI

RNAV(RNP) RWY27

RNAV(RNP) RWY27Coding 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	-	-	-7.2	-	-	+1800	-	-	-
002	TF	MENYA	-	220 (212.3)	-7.2	3.0	-	-	-	-	0.3
003	TF	FM750	-	220 (212.3)	-7.2	2.4	-	-	-185	-	0.3
004	RF Center: FMRF3 r=2.43NM	FM751	-	-	-7.2	1.2	R	1800	-	-	0.3
005	RF Center: FMRF3 r=2.43NM	FM752	-	-	-7.2	1.1	R	1453	-	-3.00	0.3
006	TF	RW27	Y	272 (265.2)	-7.2	4.3	-	75	-	-3.00/54	0.3
007	FA	-	-	272 (265.2)	-7.2	-	-	+500	-	-	1.0
008	DF	OYODO	-	-	-7.2	-	R	2000	-	-	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 : New PROC

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Visual REP



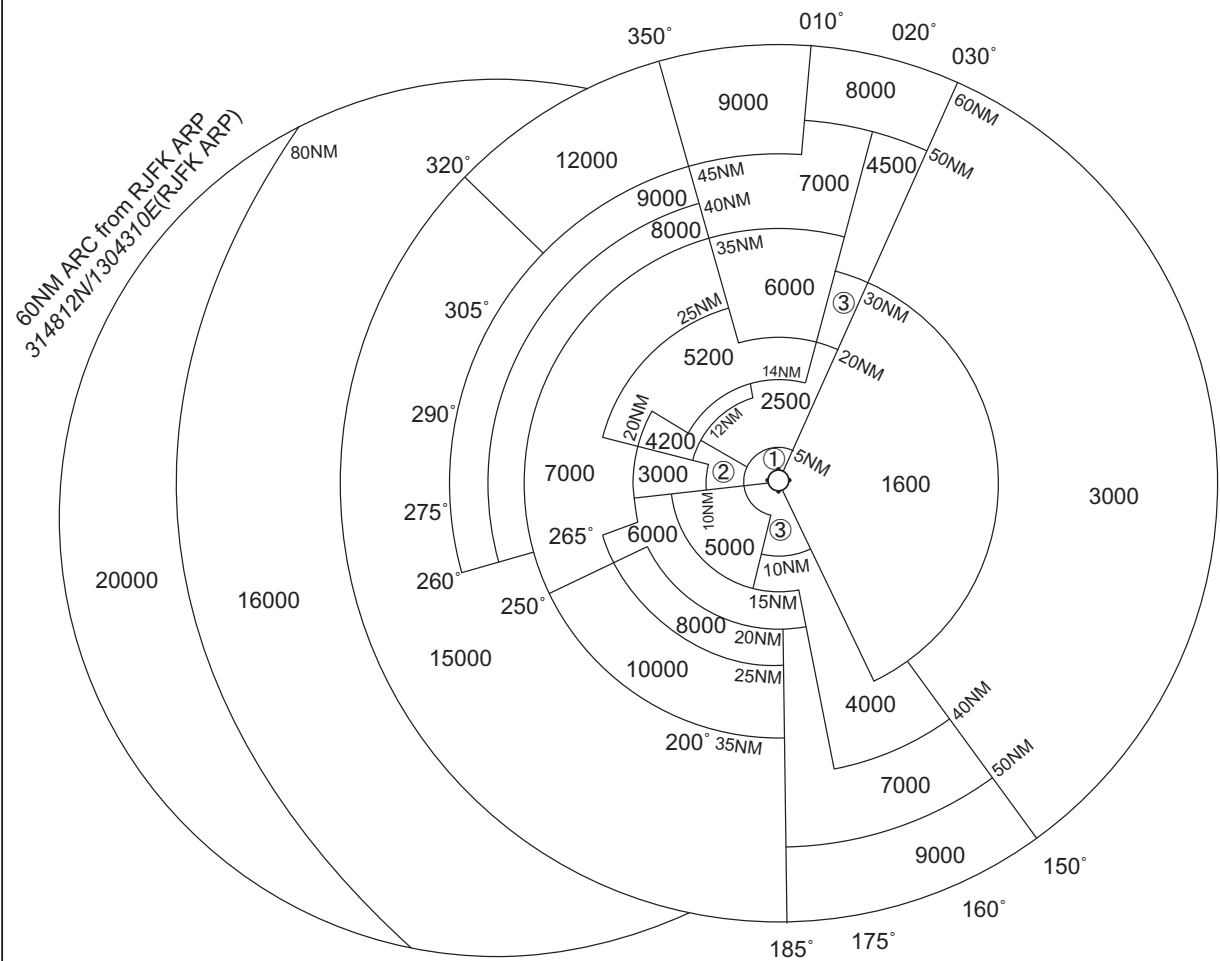
Call sign	BRG / DIST from ARP	Remarks
有 田 Arita	318°/6.5NM	東九州自動車道大淀川橋 Bridge
相 生 Aioi	336°/5.3NM	宮崎西環状線相生橋 Bridge
塩 路 Shioji	022°/5.7NM	一ツ葉有料道路一ツ葉 P A Parking Area
一 ツ 葉 Hitotsuba	023°/3.3NM	サンビーチ 一ツ葉 Beach
加 江 田 Kaeda	182°/3.7NM	加江田川河口 River-mouth
白 浜 Shirahama	166°/5.8NM	戸崎鼻先端のホテル Hotel
田 野 Tano	251°/8.1NM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



RJFM / MIYAZAKI

Minimum Vectoring Altitude CHART

VAR 7°W (2017)



CHANGE : Update