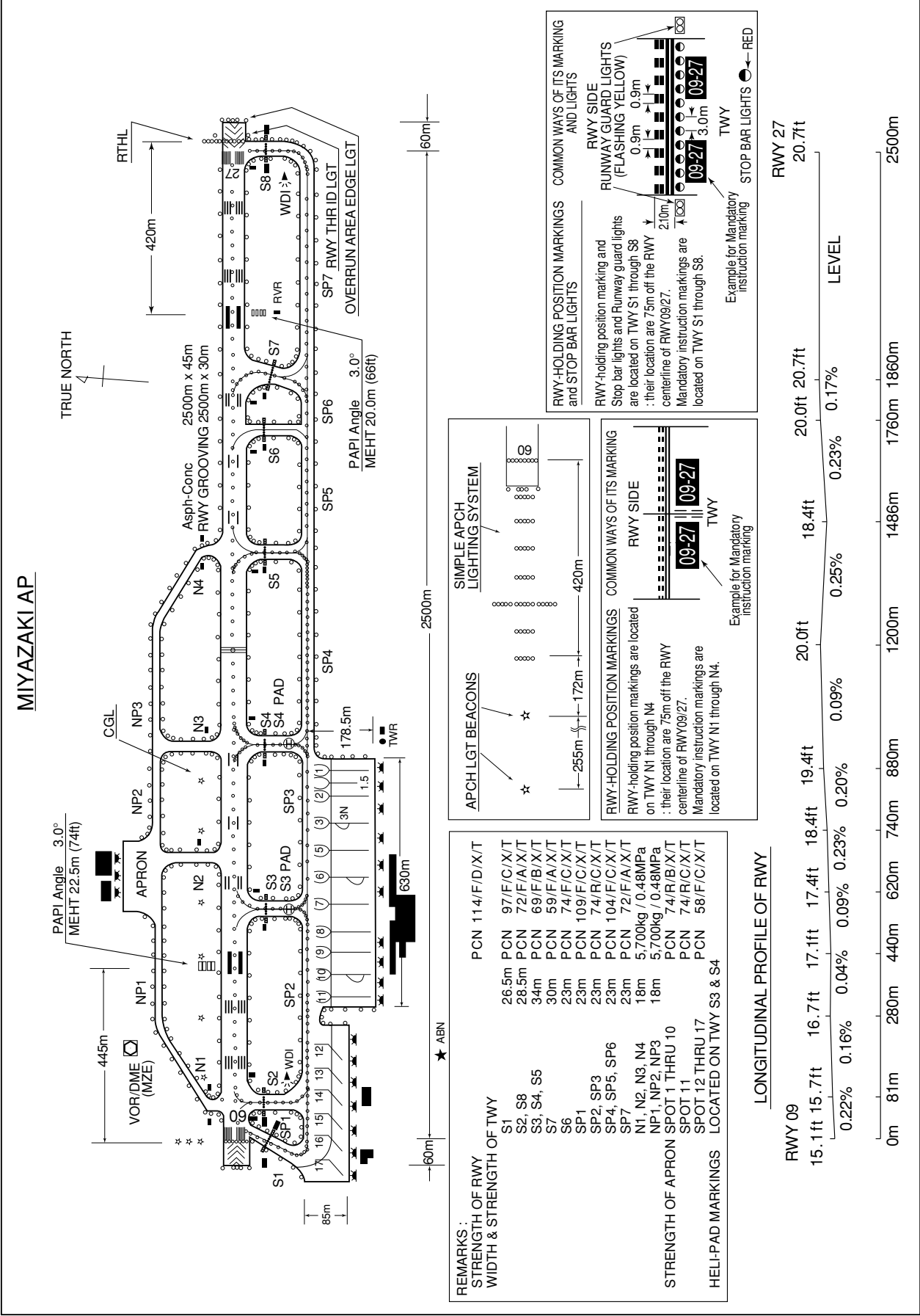


RJFM / MIYAZAKI

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 TWO DEPARTURE

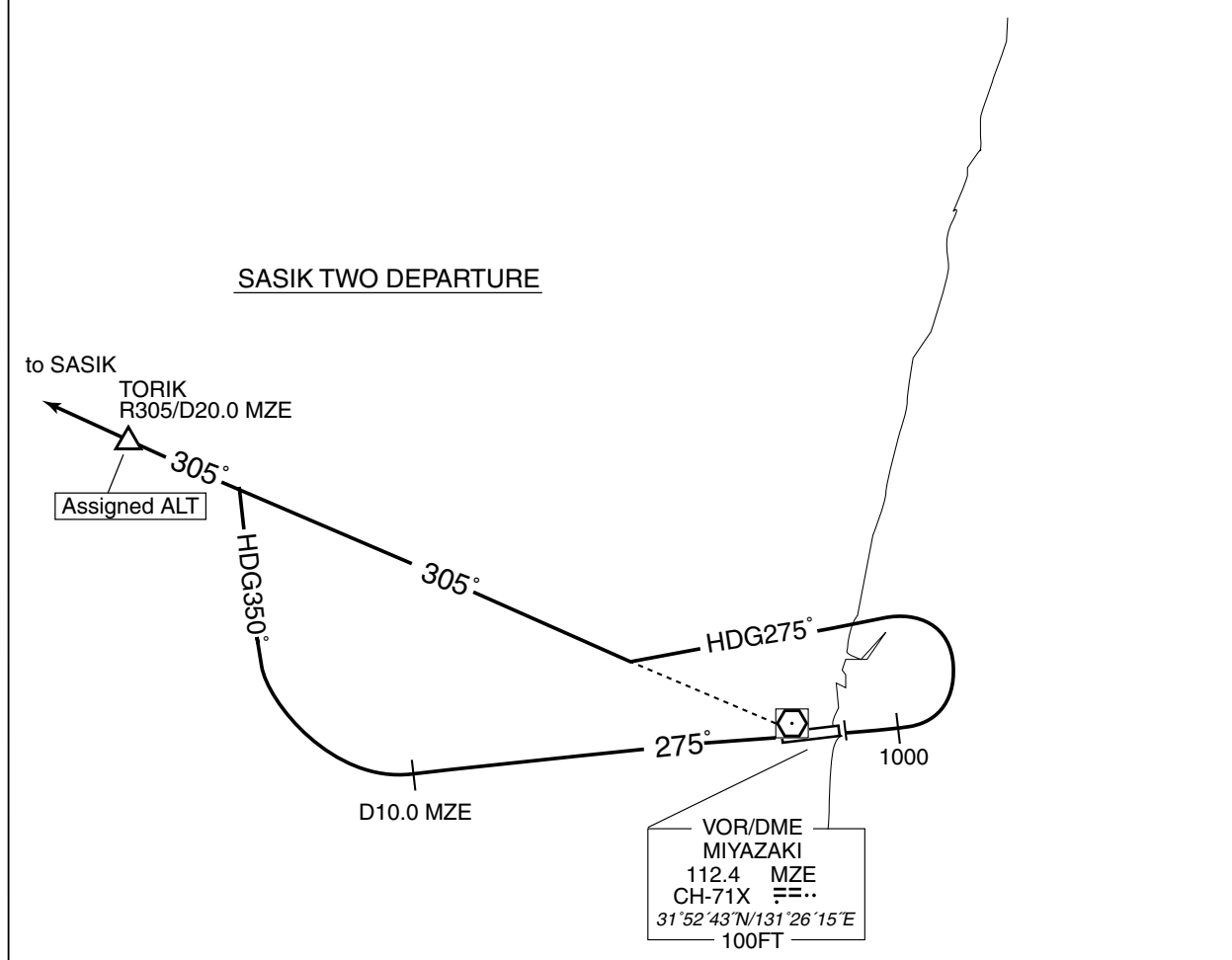
RWY27 : Climb via MZE R275 to 10.0DME, turn right HDG350°...

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.

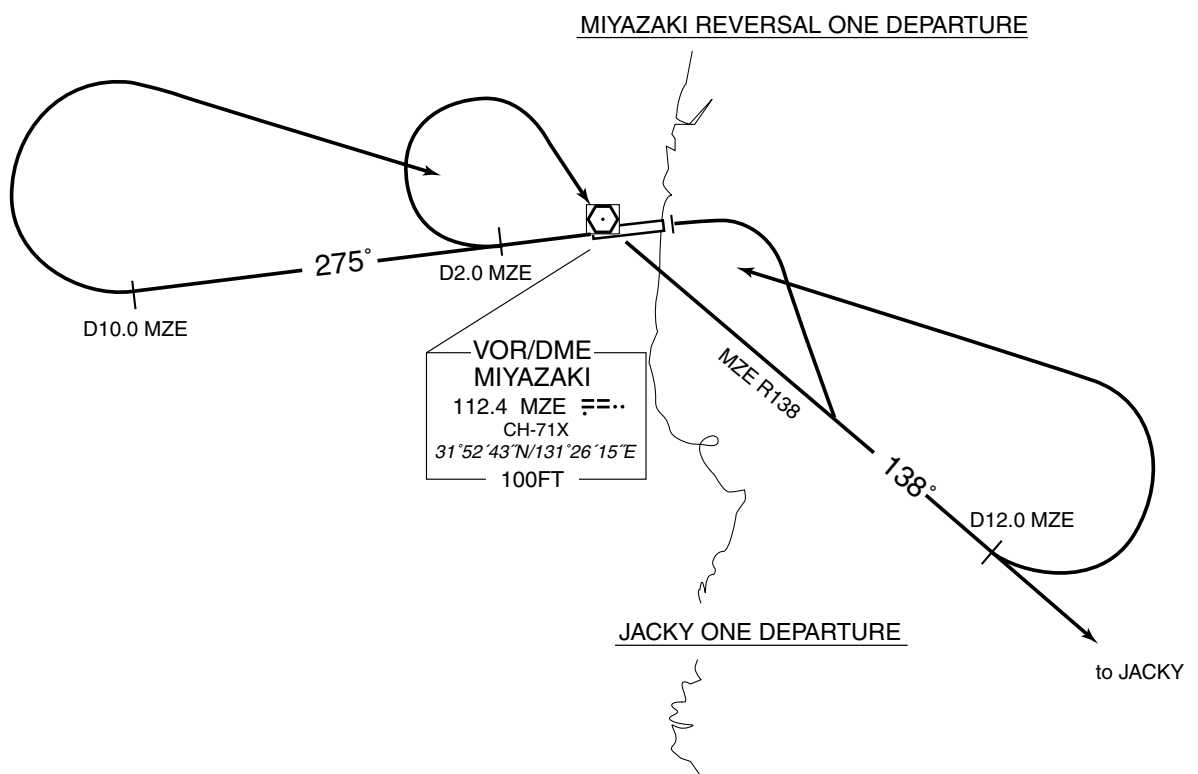
JACKY ONE DEPARTURE

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> <p>KIZAK 314410.0N 1313731.3E</p> <p>FM700 315212.0N 1312058.4E</p> <p>FM701 315749.2N 1312024.8E</p> <p>FM702 315813.1N 1312556.5E</p> <p>MADOG 320730.7N 1322346.5E</p> <p>HIROS 315530.2N 1321230.5E 11000</p> <p>VOR/DME MIYAZAKI 112.4 MZE CH-71X 31°52'43"N/131°26'15"E 100FT</p>		
CHANGE : Critical DME	KIZAK TWO DEPARTURE 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.	
	MADOG TRANSITION 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

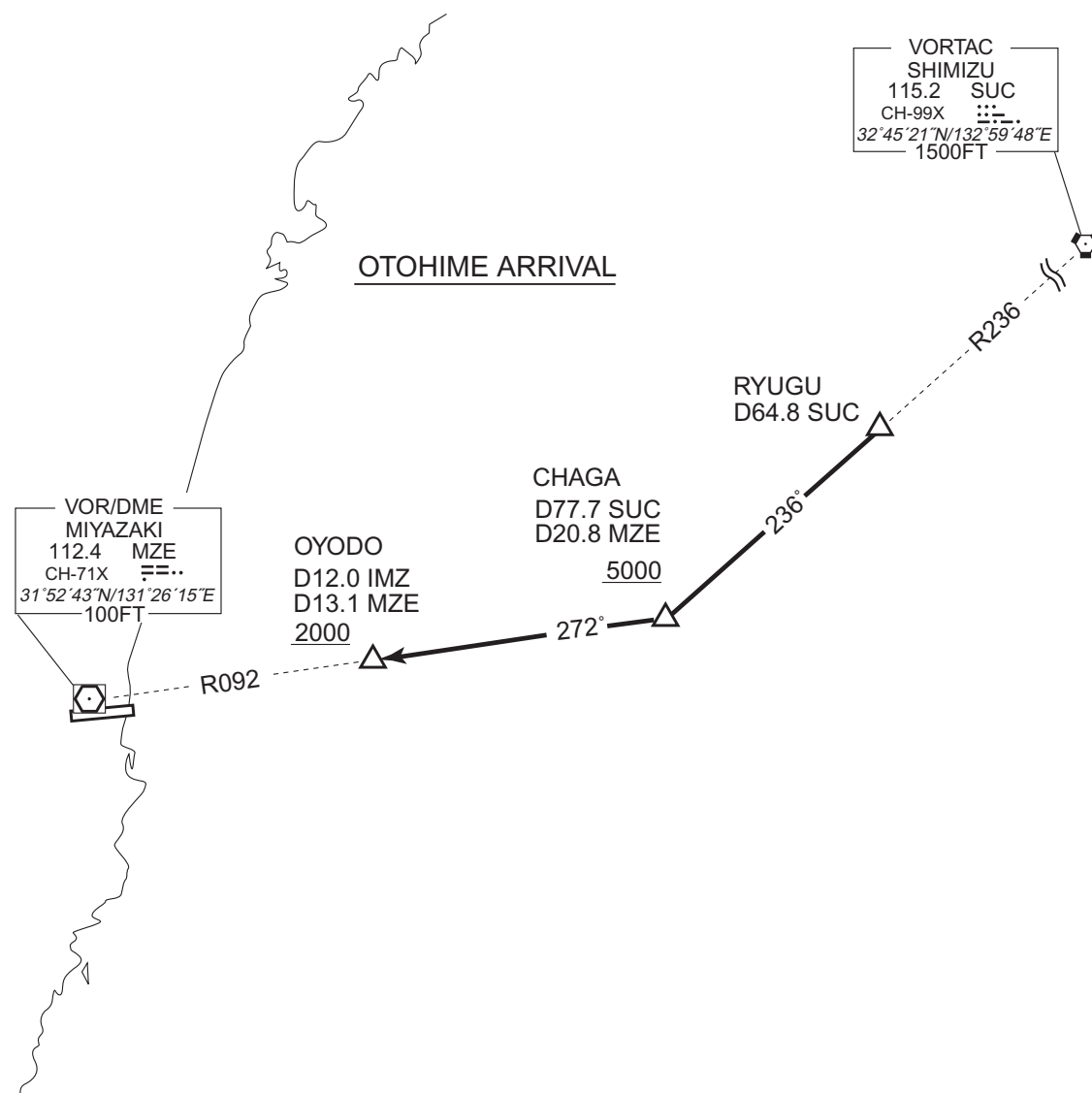
STANDARD ARRIVAL CHART - INSTRUMENT

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

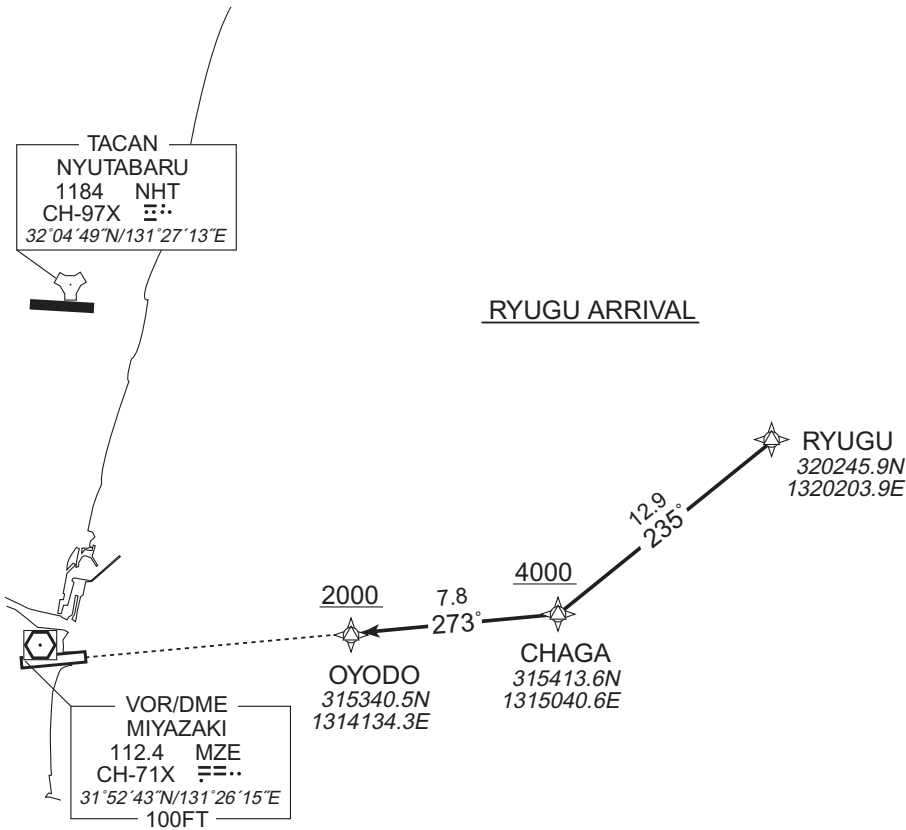
RNAV STAR

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

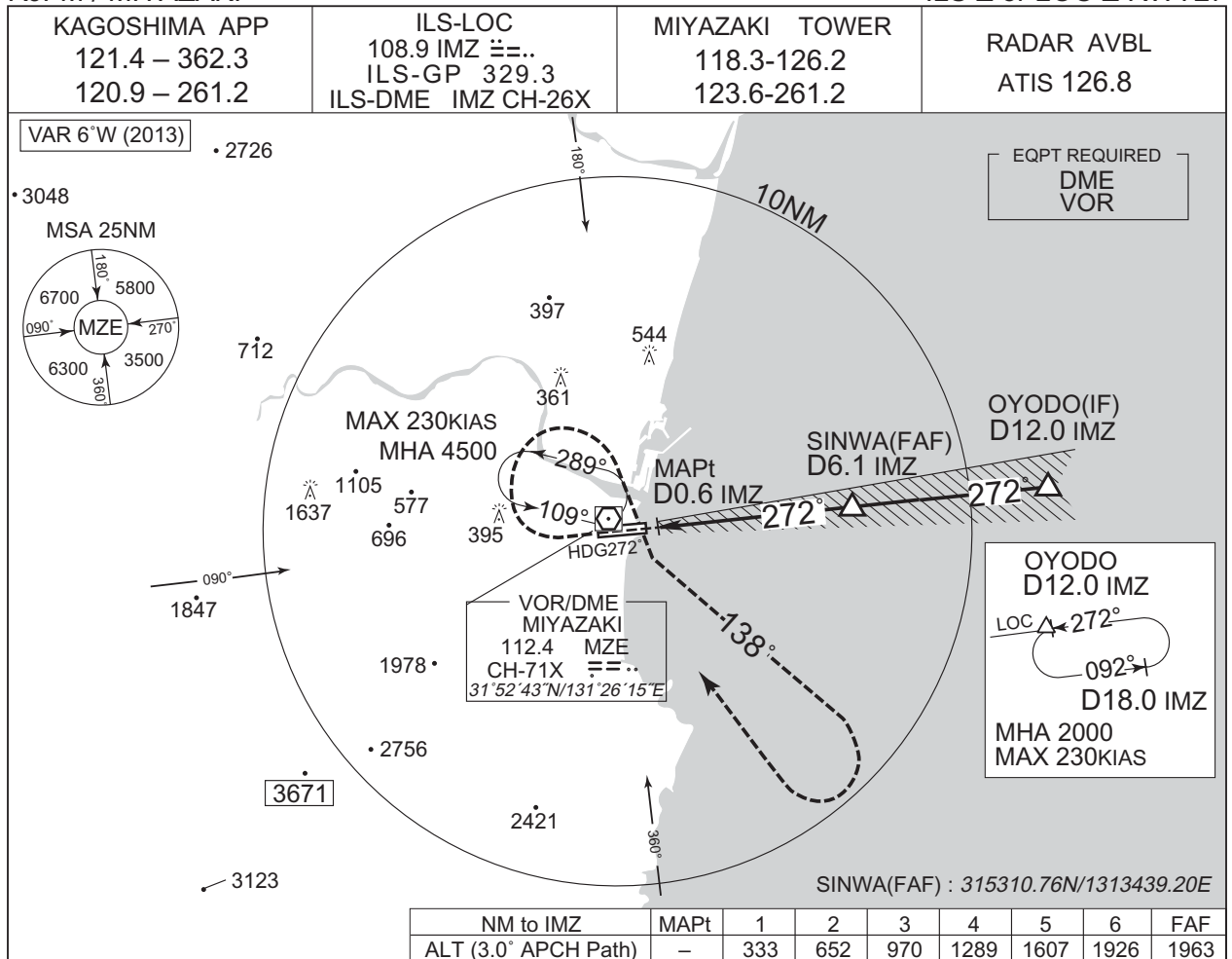
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	RYUGU	—	—	-6.8	—	—	—	—	—	RNAV1
002	TF	CHAGA	—	235 (228.6)	-6.8	12.9	—	+4000	—	—	RNAV1
003	TF	OYODO	—	273 (266.0)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

CHANGE : Critical DME

INSTRUMENT APPROACH CHART

RJFM / MIYAZAKI

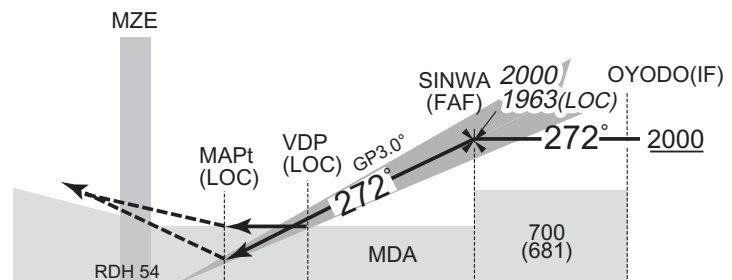
ILS Z or LOC Z RWY27



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						

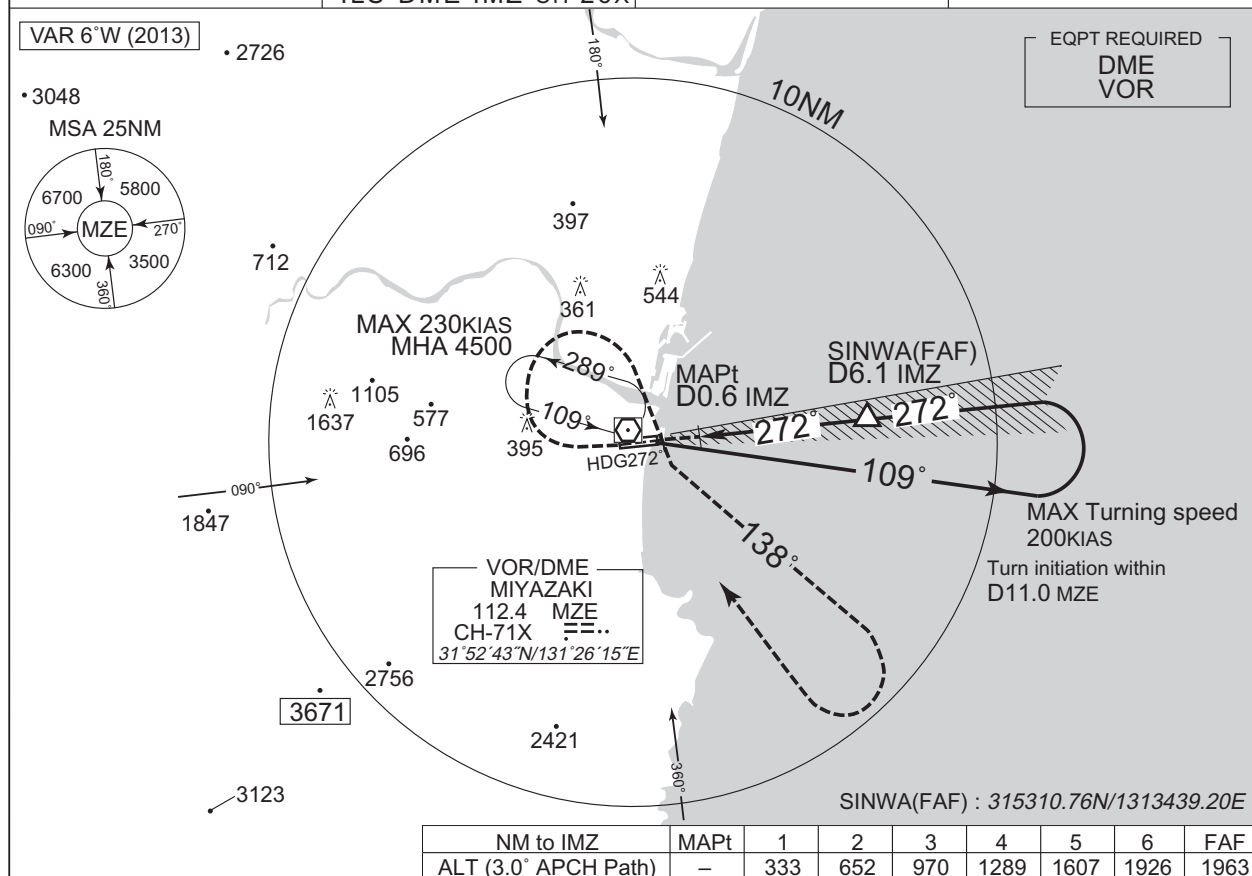
MINIMA with Missed APCH climb gradient of 2.5% are not established.

INSTRUMENT APPROACH CHART

RJFM / MIYAZAKI

ILS Y or LOC Y RWY27

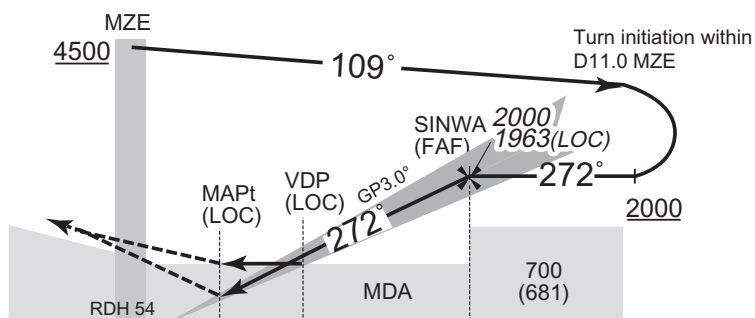
KAGOSHIMA APP 121.4 – 362.3 120.9 – 261.2	ILS-LOC 108.9 IMZ \equiv .. ILS-GP 329.3 ILS-DME IMZ CH-26X	MIYAZAKI TOWER 118.3 - 126.2 123.6 - 261.2	RADAR AVBL ATIS 126.8
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MISSED APPROACH

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%

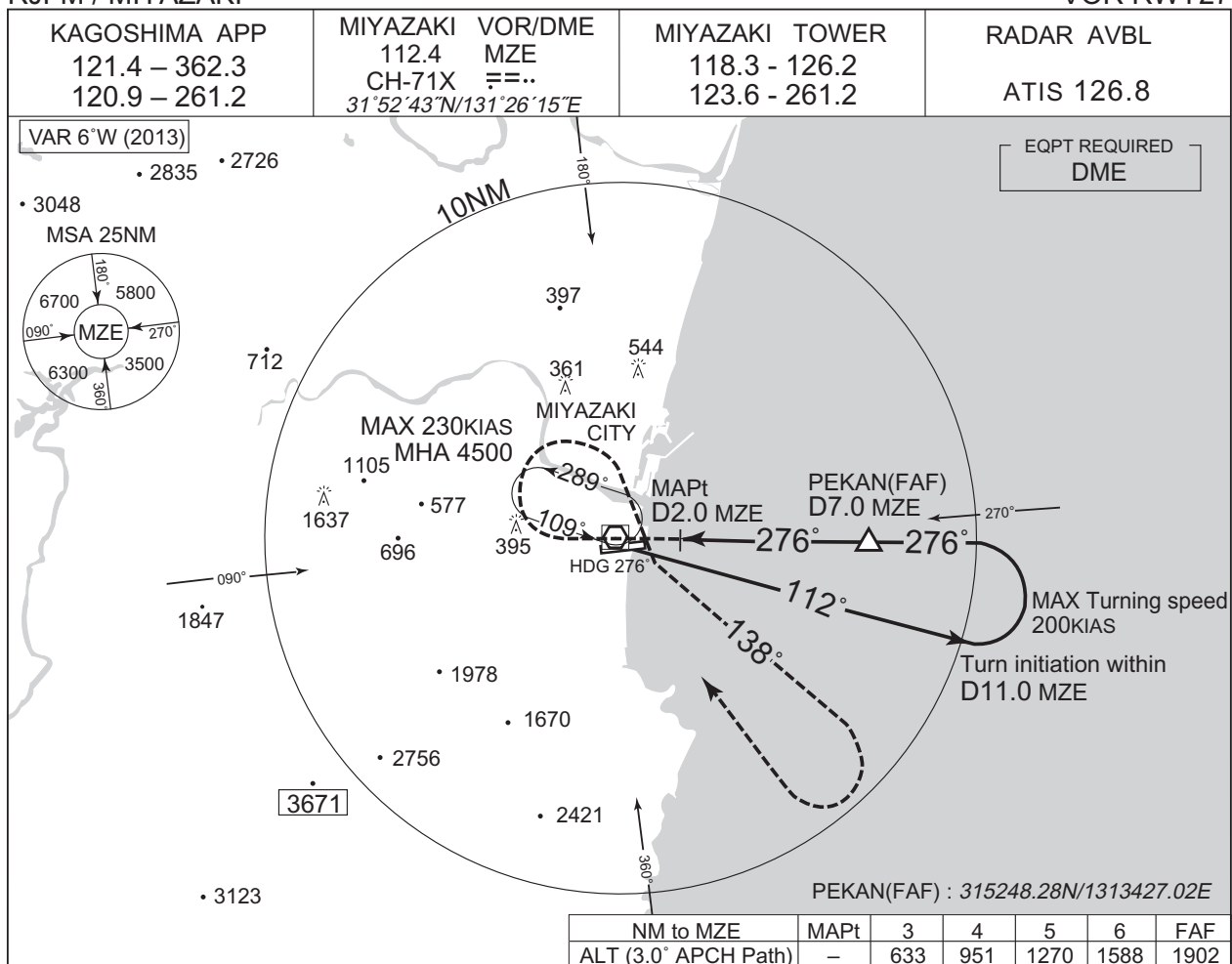
MINIMA		THR elev. 21		AD elev. 19		
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/ CMV	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	221 (200)	1000	270 (251)	1500	520 (501)	1600
B				650 (631)	2400	
C						
D						1800

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

INSTRUMENT APPROACH CHART

RJFM / MIYAZAKI

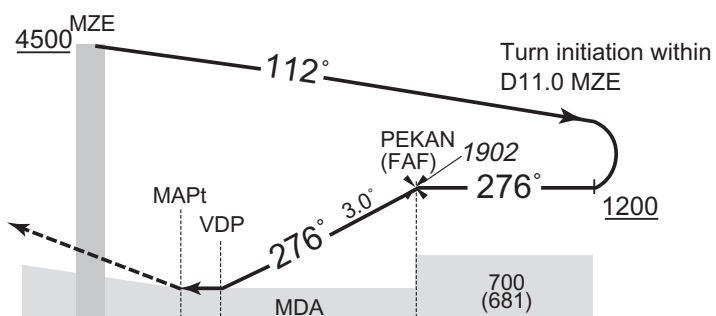
VOR RWY27



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

0

2.0

0.8

2.4

1.2

7.0

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

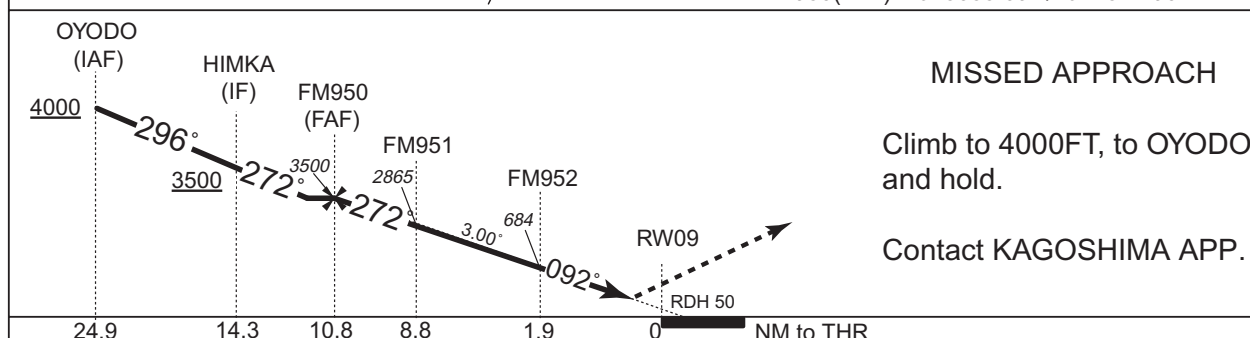
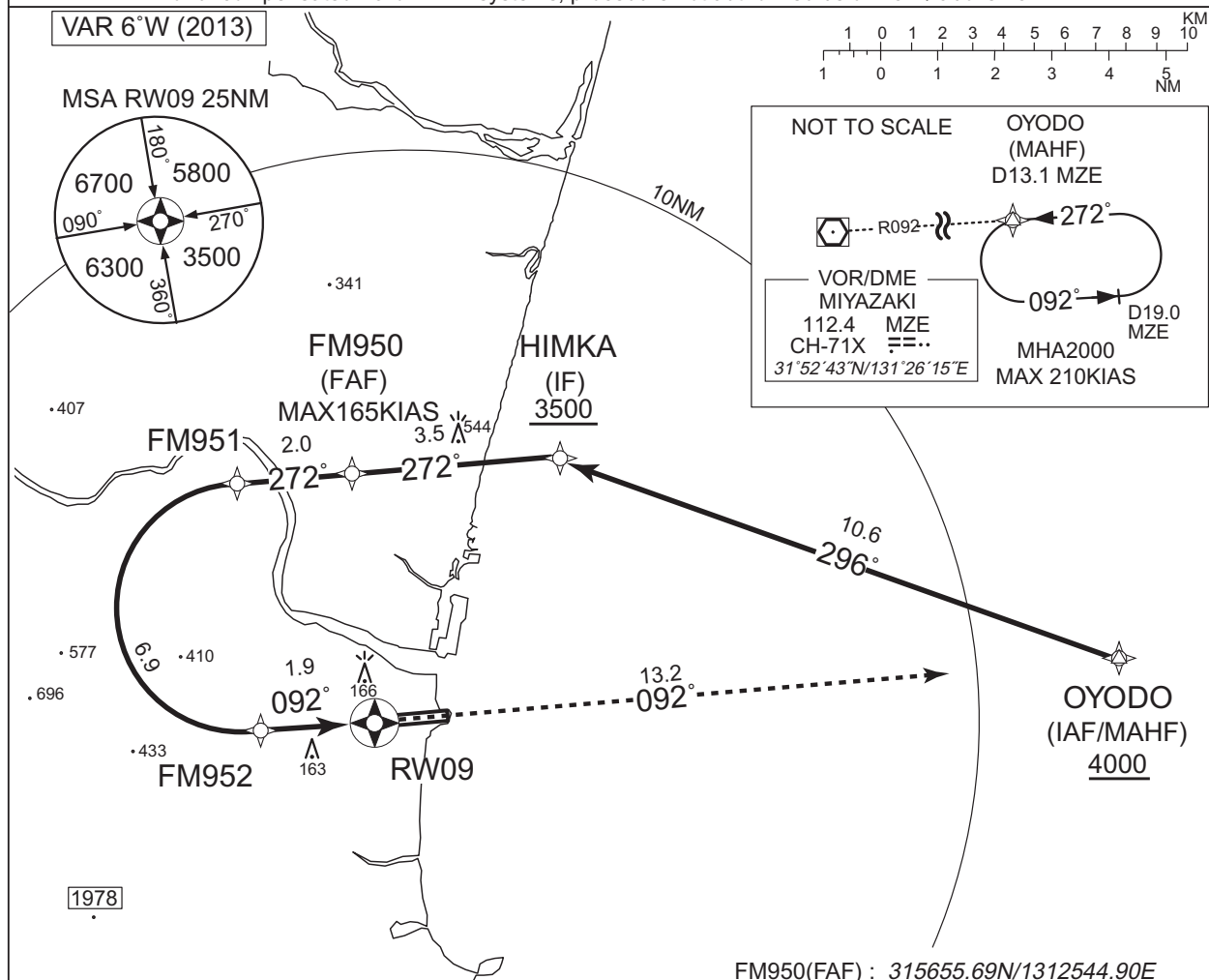
INSTRUMENT APPROACH CHART

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		

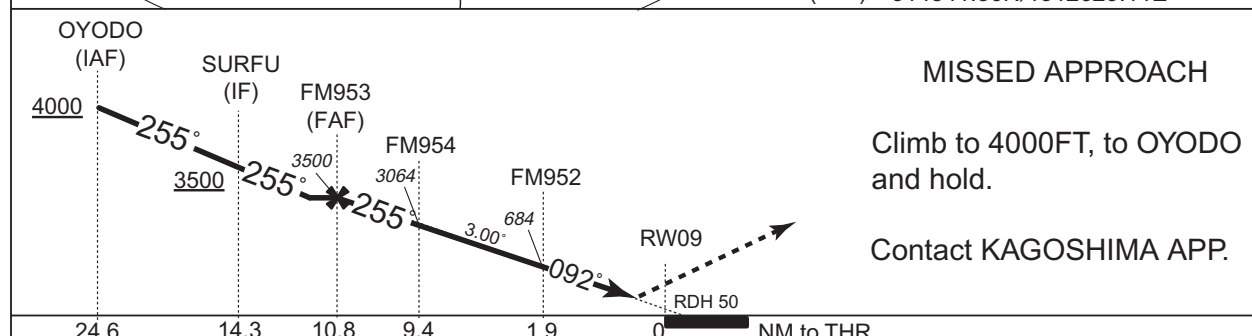
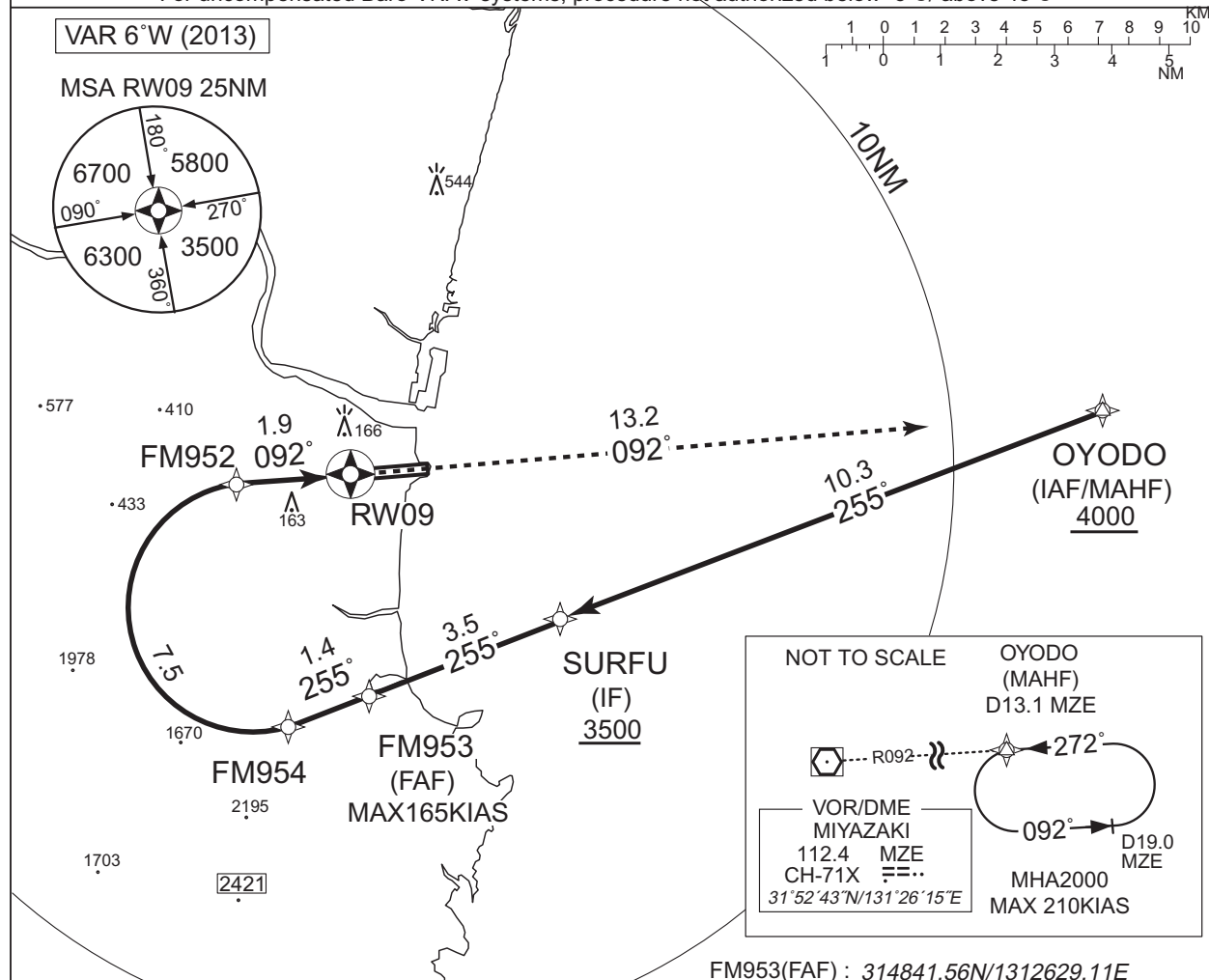
INSTRUMENT APPROACH CHART

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

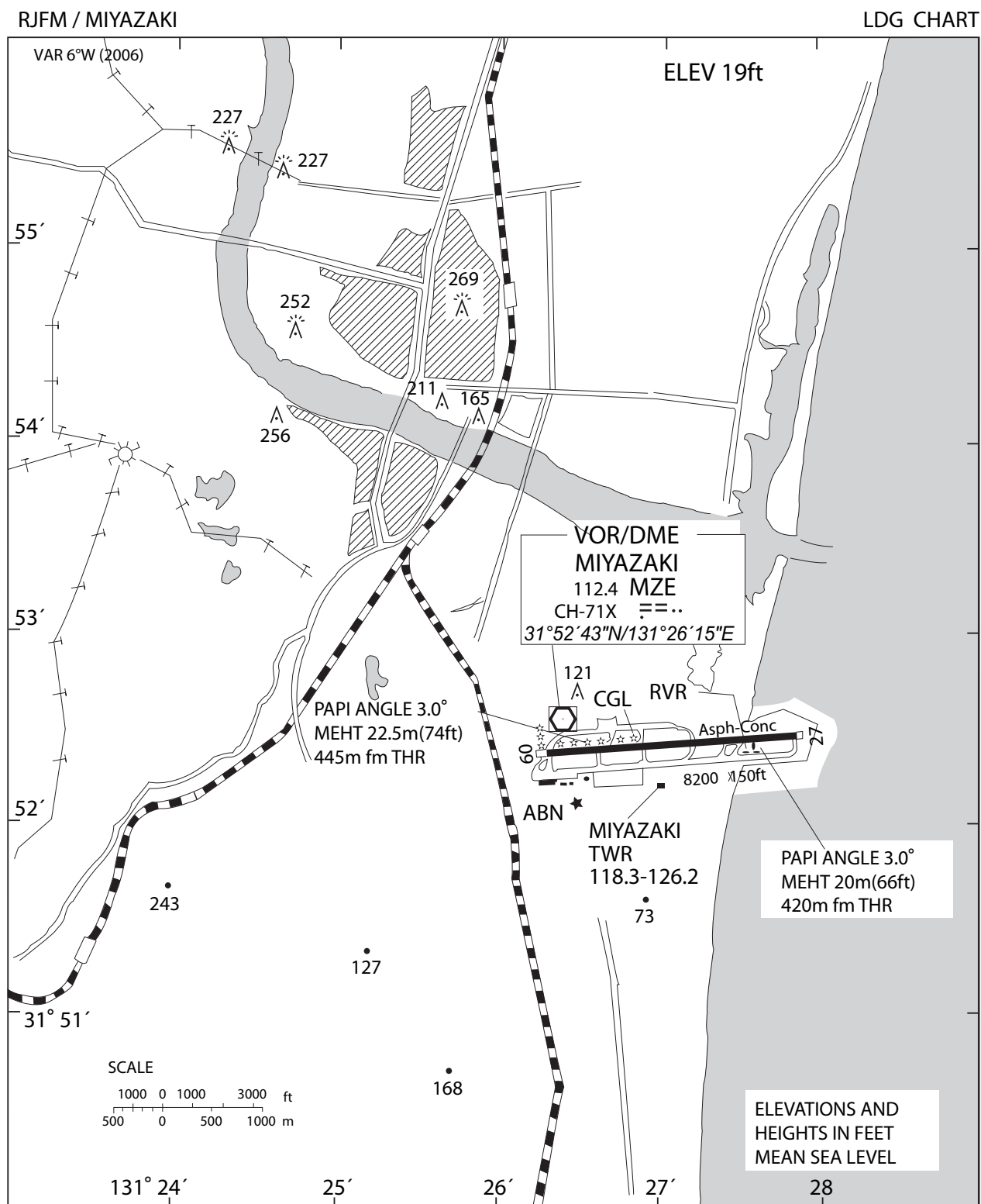
Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
SURFU	314957.66N/1313018.83E	FMRF2	315013.85N/1312403.51E
FM953	314841.56N/1312629.11E		
FM954	314811.70N/1312459.11E		
FM952	315224.44N/1312350.57E		
RW09	315234.26N/1312607.02E		
OYODO	315340.52N/1314134.32E		

RJFM / MIYAZAKI

Visual REP



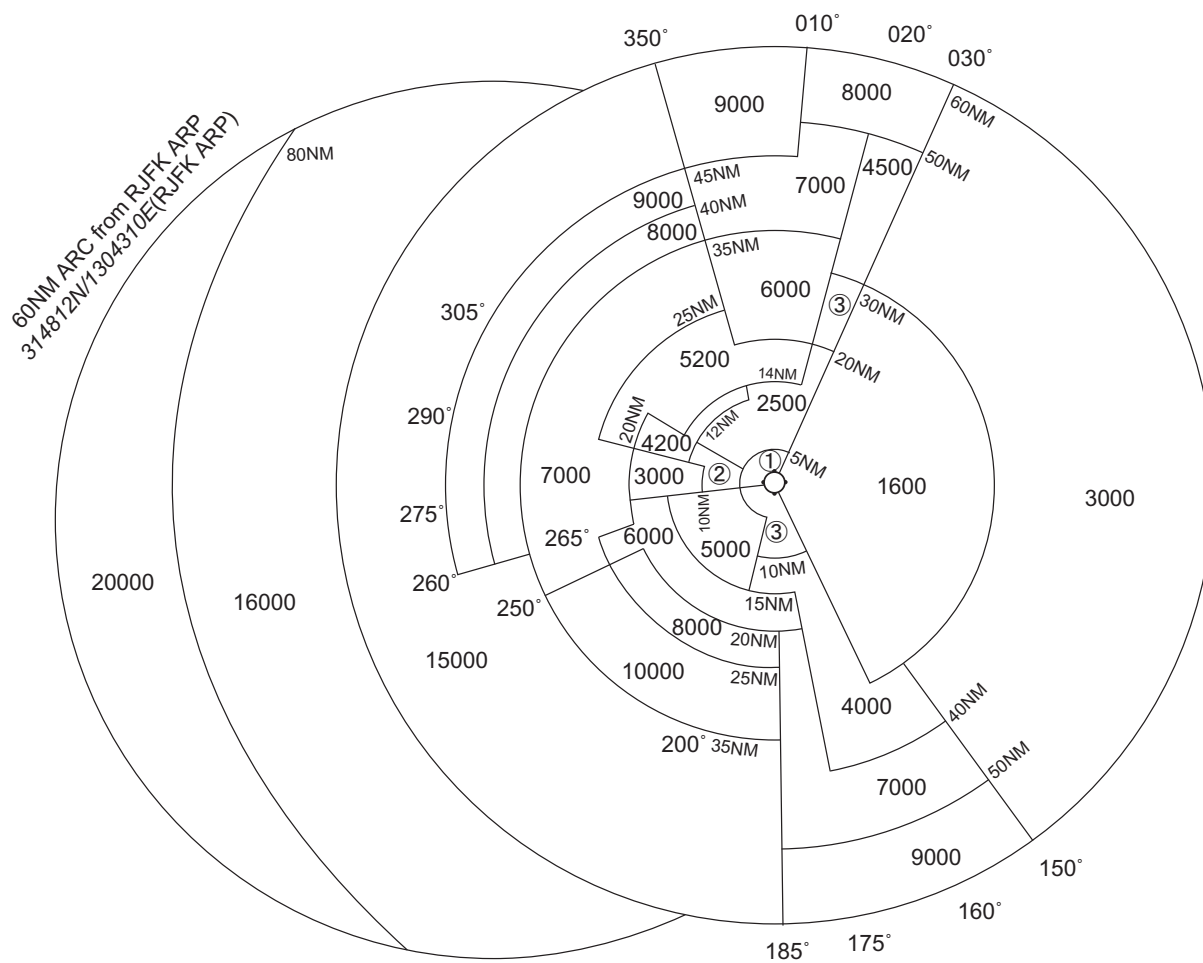
Call sign	BRG / DIST from ARP	Remarks
有 田 Arita	318°/6.5NM	東九州自動車道大淀川橋 Bridge
相 生 Aioi	336°/5.3NM	宮崎西環状線相生橋 Bridge
塩 路 Shioji	022°/5.7NM	一ツ葉有料道路一ツ葉 P A Parking Area
一 ツ 葉 Hitotsuba	023°/3.3NM	サンビーチ 一ツ葉 Beach
加 江 田 Kaeda	182°/3.7NM	加江田川河口 River-mouth
白 浜 Shirahama	166°/5.8NM	戸崎鼻先端のホテル Hotel
田 野 Tano	251°/8.1NM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



RJFM / MIYAZAKI

Minimum Vectoring Altitude CHART

VAR 7°W (2017)



CHANGE : Update

- ① 2000
- ② 2700
- ③ 3500

CENTER: 315238N/1312655E (RJFM ARP)