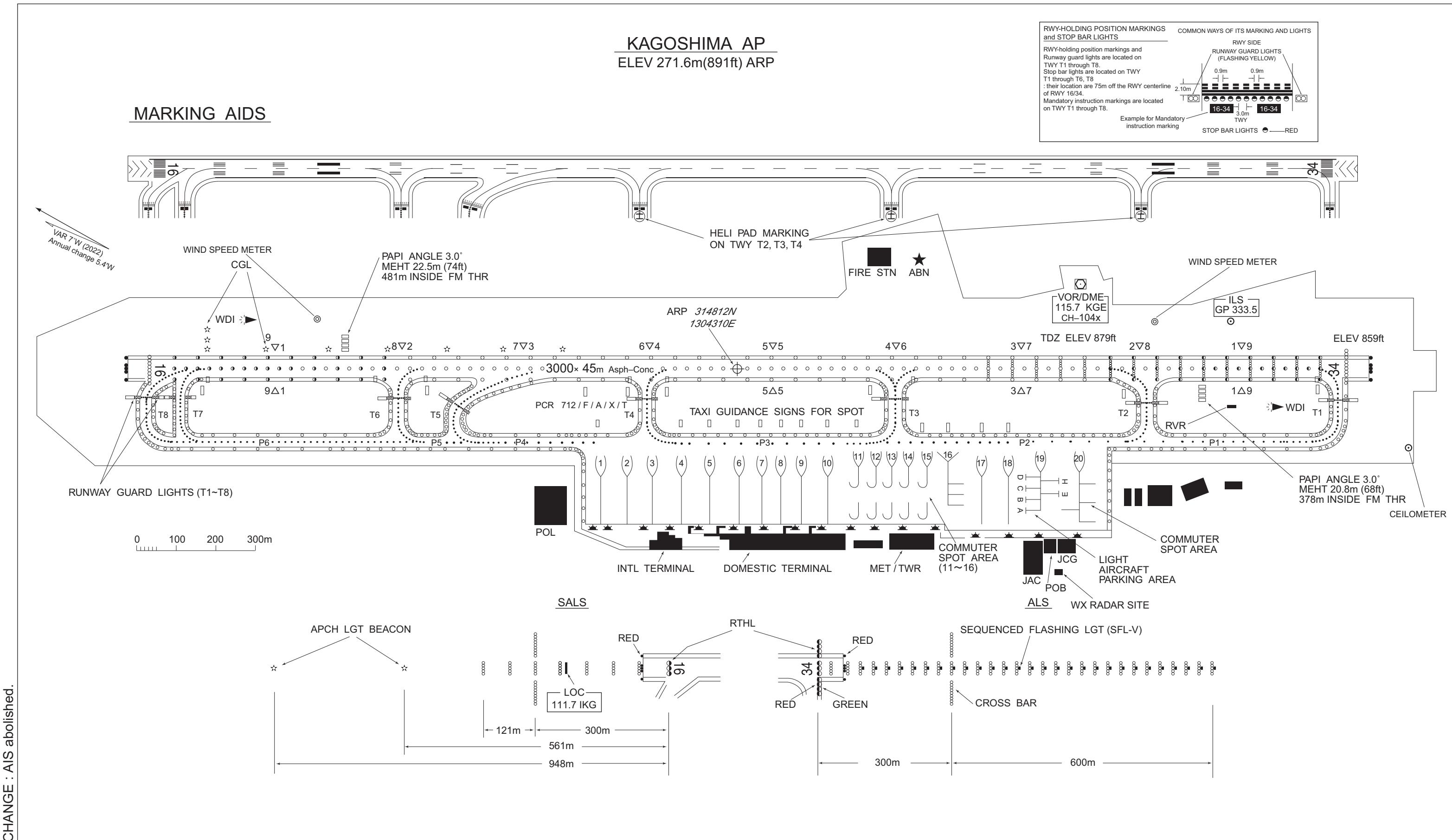


AERODROME CHART



RJFK / KAGOSHIMA

## AD CHART

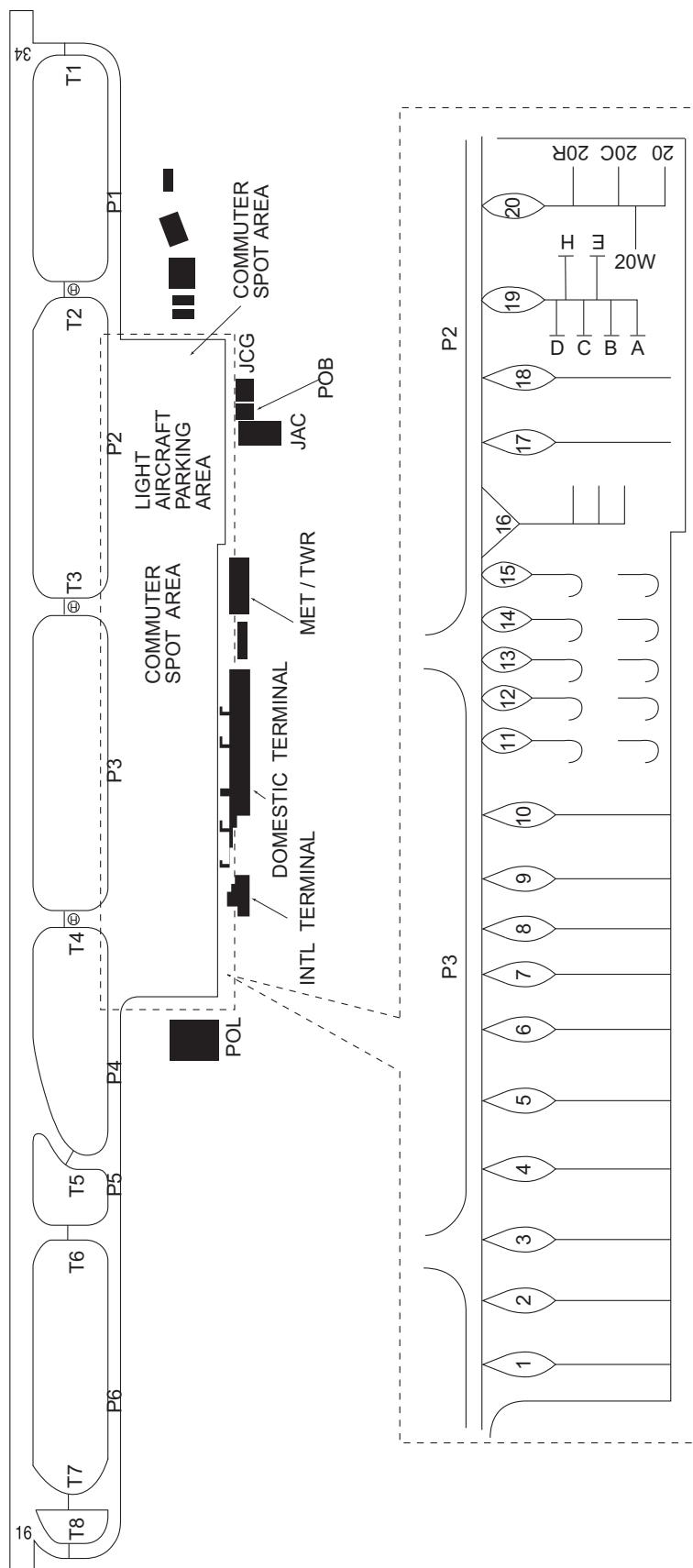
CHANGE : AIS abolished.

## KAGOSHIMA AIRPORT

ELEV 271.6m(891ft) ARP

Designation	Call Sign	Frequency (MHz)
ATIS	Kagoshima Airport	127.05
DLVRY	Kagoshima Delivery	121.8
GND	Kagoshima Ground	121.7
TWR	Kagoshima Tower	118.2 126.2 261.1.2

VAR  $7^{\circ}W$  (2022)  
Annual change  $5.4^{\circ}W$

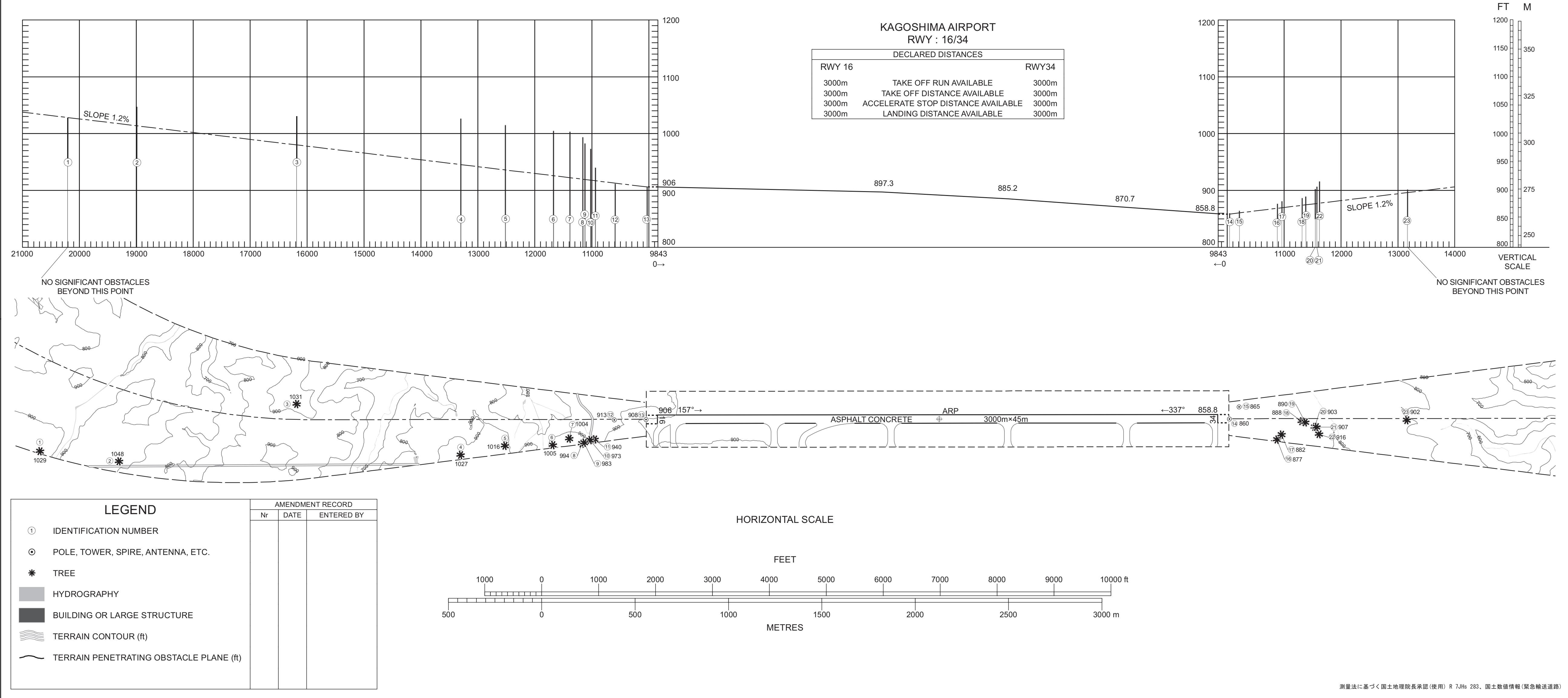


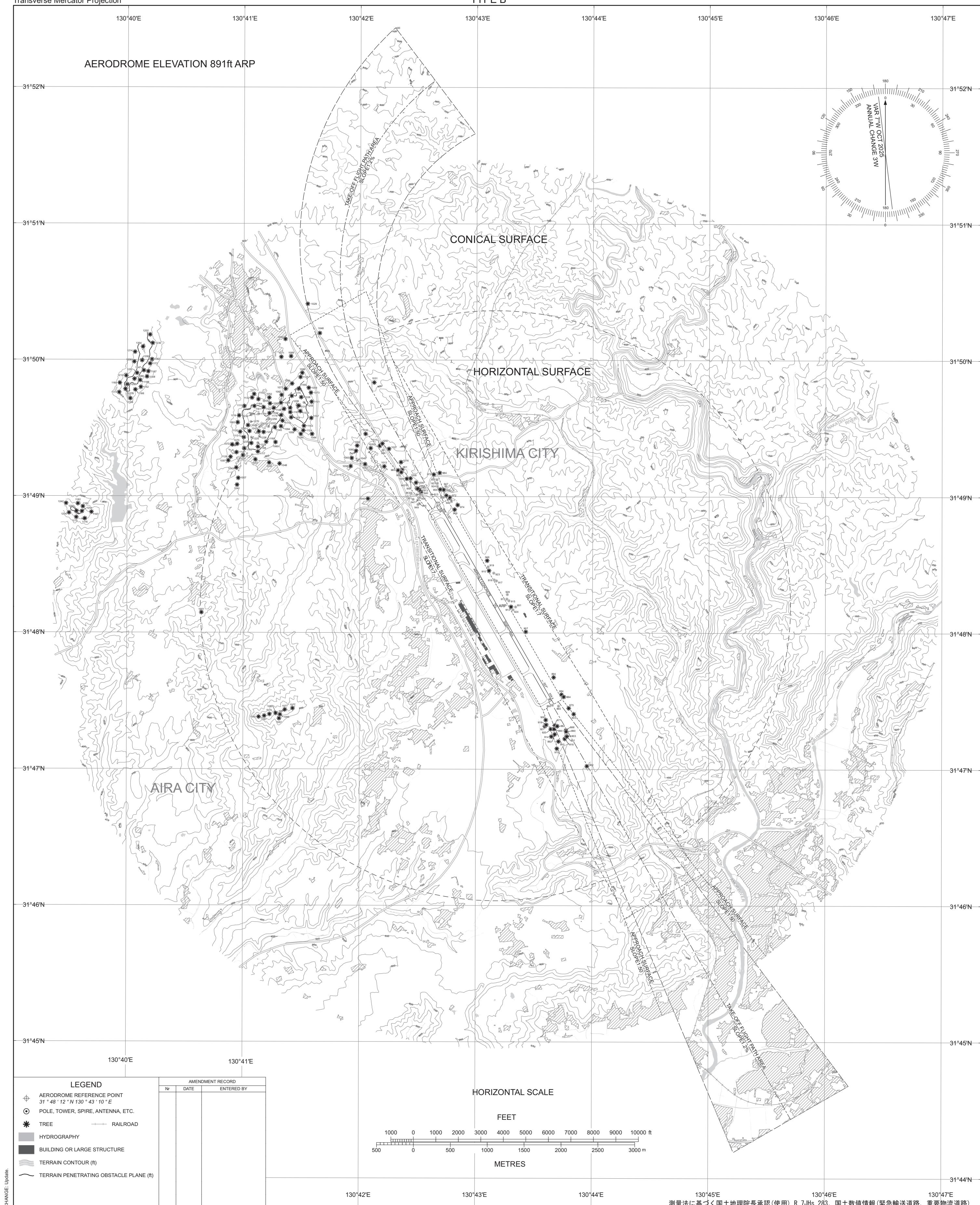
DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

Transverse Mercator Projection

AERODROME OBSTACLE CHART - ICAO  
TYPE A (OPERATING LIMITATIONS)

MAGNETIC VARIATION 7°W - OCT 2025



DIMENSIONS AND ELEVATIONS IN FEET, BEARINGS ARE MAGNETIC  
Transverse Mercator ProjectionAERODROME OBSTACLE CHART-ICAO  
TYPE B

# **STANDARD DEPARTURE CHART - INSTRUMENT**

RJFK / KAGOSHIMA

## SID and TRANSITION

## OVSID ONE DEPARTURE

RWY 16 : Climb RWY HDG to KGE2.0DME, turn left HDG 303°...

RWY 34 : Climb RWY HDG to 2000FT, turn right...

... to intercept and proceed via KGE R348 to OVSID.

Note RWY16 : 5.0% climb gradient required up to 1300FT.

RWY34 : 5.0% climb gradient required up to 2000FT.

OBST ALT 1181FT located at 1.4NM 319° FM end of RWY34.

OBST ALT 2067FT located at 6.7NM 345° FM end of RWY34.

## KAJIKI TRANSITION

From over OVSID, turn left, direct to KGE VOR/DME.

Cross KGE VOR/DME at or above 7000FT.

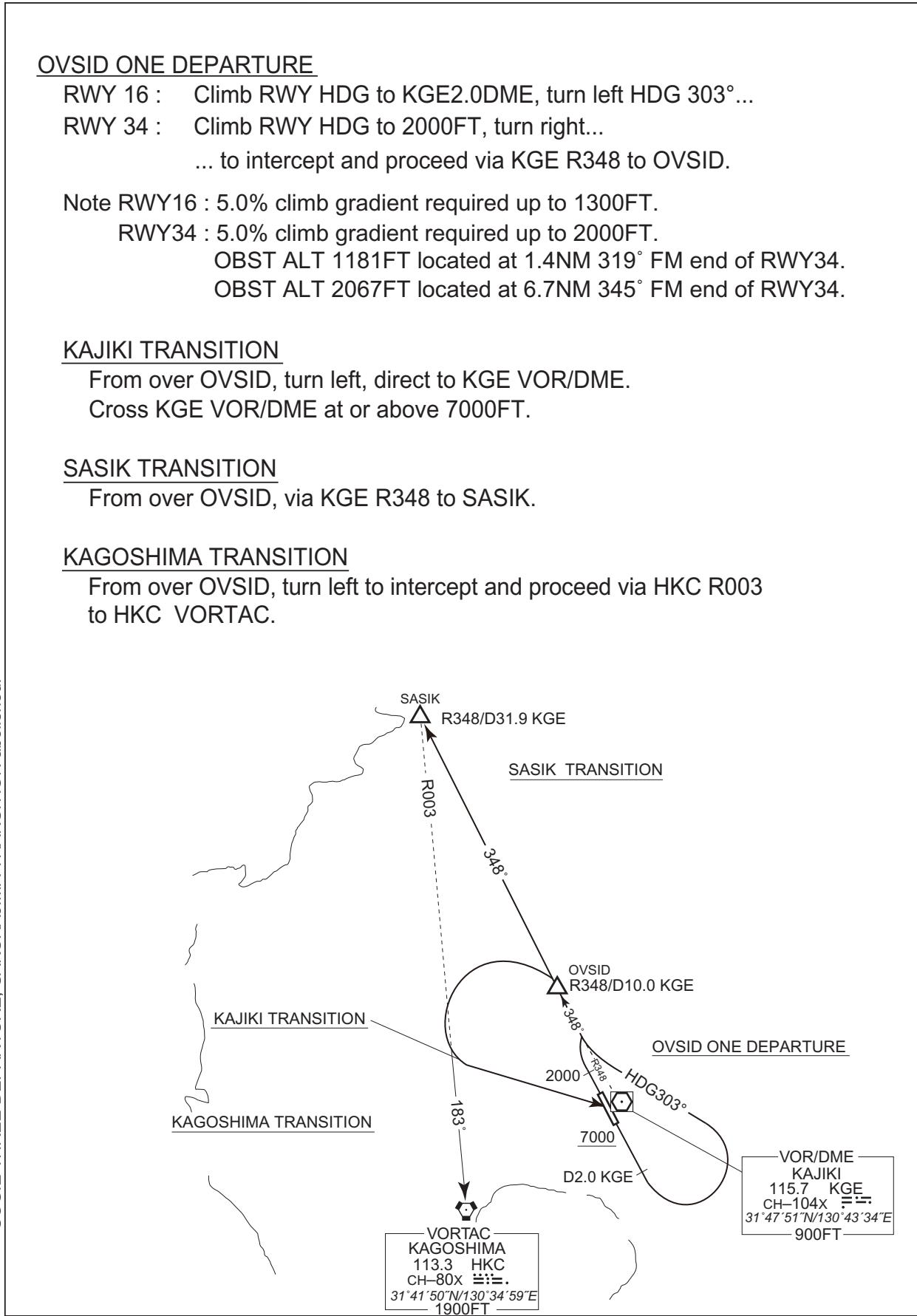
## SASIK TRANSITION

From over OVSID, via KGE R348 to SASIK.

KAGOSHIMA TRANSITION

From over OVSID, turn left to intercept and proceed via HKC R003 to HKC VORTAC.

CHANGE : OVSID ONE DEPARTURE established. KAJIKI TRANSITION established. PRROC course(SASIK TRANSITION, KAGOSHIMA TRANSITION). SOGIE THREE DEPARTURE, SAKURAJIMA TRANSITION abolished.



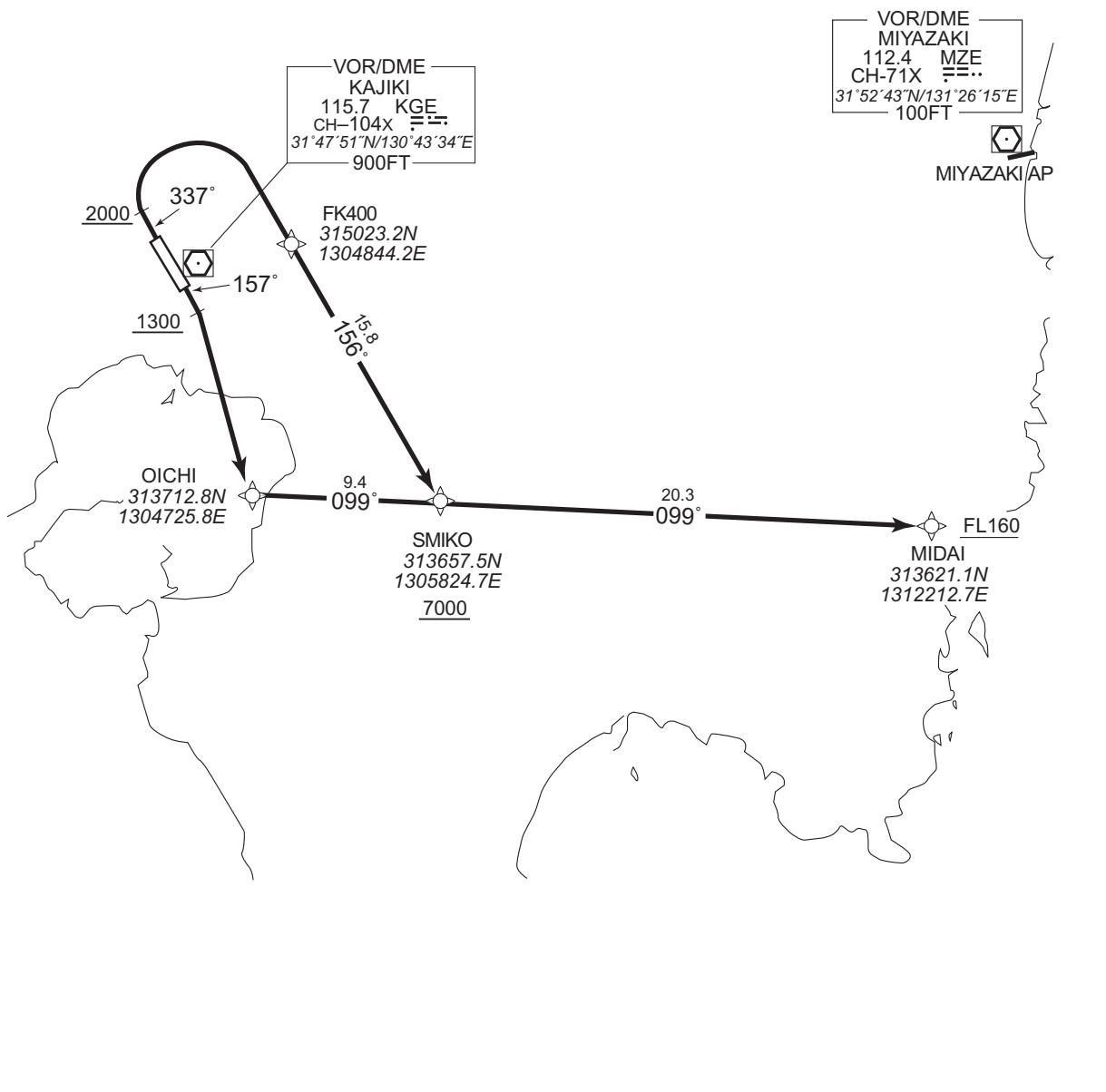
## STANDARD DEPARTURE CHART - INSTRUMENT

RJFK / KAGOSHIMA

RNAV SID

MIDAI THREE 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	RWY16 : HKC:7NM to OICHI — 2NM to OICHI KGE:7NM to OICHI — 2NM to OICHI
	DME GAP	RWY16 : DER — 7NM to OICHI RWY34 : DER — 12NM to SMIKO
	Inappropriate Navaids	See AD 1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

VAR 7°W



RWY16 : Climb on HDG 157° at or above 1300FT, turn right direct to OICHI, to SMIKO at or above 7000FT, to MIDAI at or above FL160.

RWY34 : Climb on HDG 337° at or above 2000FT, turn right direct to FK400, to SMIKO at or above 7000FT, to MIDAI at or above FL160.

Note RWY34 : 5.0% climb gradient required up to 3100FT.

OBST ALT 3117FT located at 7.7NM 046° FM end of RWY34.

STANDARD DEPARTURE CHART - INSTRUMENT

RJFK / KAGOSHIMA

RNAV SID

MIDAI THREE DEPARTURE

RWY16

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	–	–	157 (150.1)	-7.2	–	–	+1300	–	–	RNAV1
002	DF	OICHI	–	–	-7.2	–	R	–	–	–	RNAV1
003	TF	SMIKO	–	099 (091.5)	-7.2	9.4	–	+7000	–	–	RNAV1
004	TF	MIDAI	–	099 (091.6)	-7.2	20.3	–	+FL160	–	–	RNAV1

RWY34

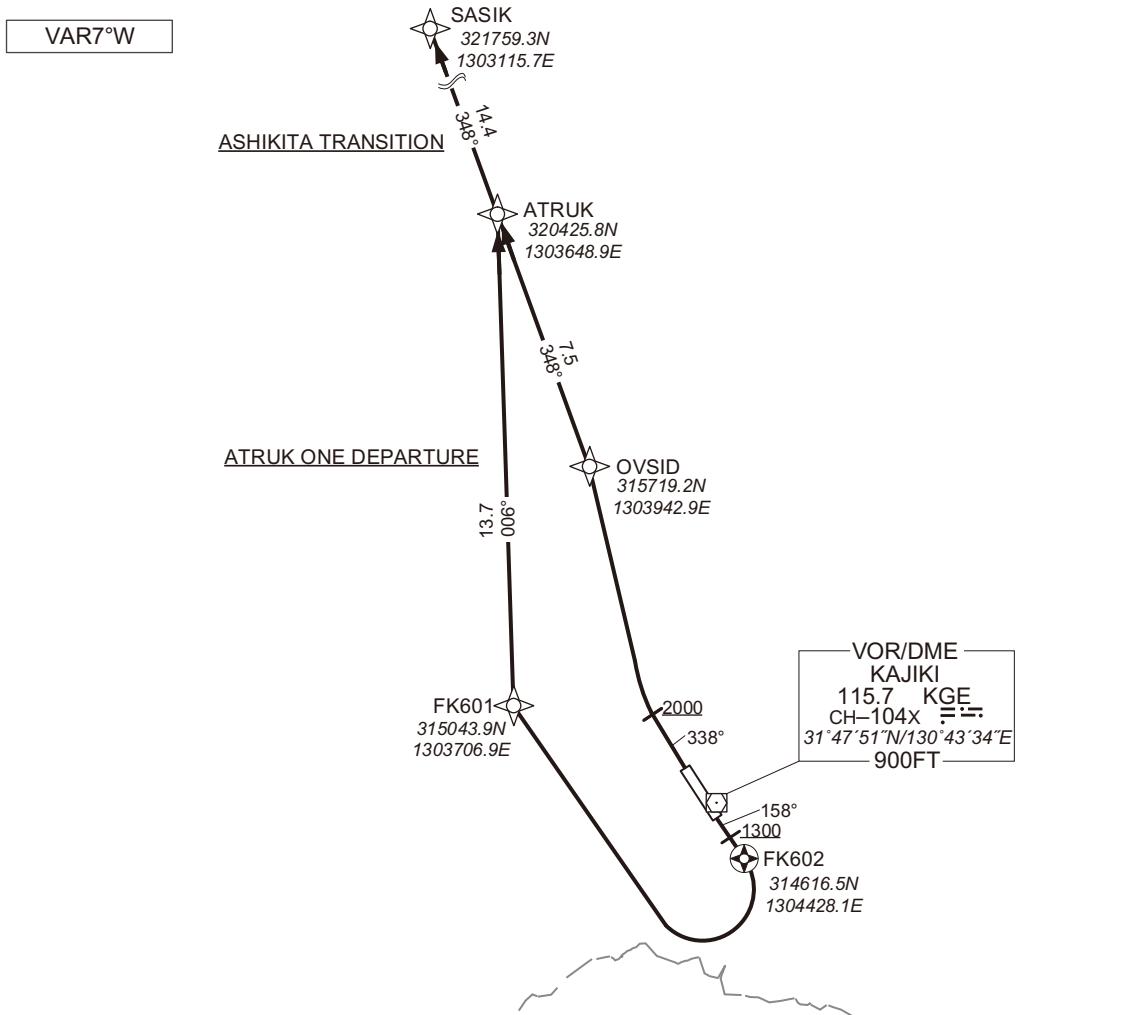
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	–	–	337 (330.1)	-7.2	–	–	+2000	–	–	RNAV1
002	DF	FK400	–	–	-7.2	–	R	–	–	–	RNAV1
003	TF	SMIKO	–	156 (148.5)	-7.2	15.8	–	+7000	–	–	RNAV1
004	TF	MIDAI	–	099 (091.6)	-7.2	20.3	–	+FL160	–	–	RNAV1

## STANDARD DEPARTURE CHART - INSTRUMENT

RJFK / KAGOSHIMA

RNAV SID and TRANSITION

ATRUK ONE DEPARTURE ASHIKITA 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	RWY16 : HKC 6.0NM to FK601 - FK601 11.0NM to ATRUK - 4.0NM to ATRUK KGE 6.0NM to FK601 - 5.0NM to FK601 4.0NM to FK601 - 4.0NM to ATRUK MZE 6.0NM to FK601 - 4.0NM to FK601 3.0NM to ATRUK - 1.0NM to ATRUK RWY34 : HKC 3.0NM from DER - 5.0NM to ATRUK KGE 5.0NM to OVSID - 3.0NM to OVSID 1.0NM to OVSID - 5.0NM to ATRUK MZE 3.0NM to ATRUK - 1.0NM to ATRUK
	DME GAP	RWY16 : DER - 6.0NM to FK601 RWY34 : DER - 3.0NM from DER
	Inappropriate Navaids	See AD1.1.6.10.3 Inappropriate NAVADs for RNAV1



## ATRUK ONE DEPARTURE

RWY16 : Climb on HDG158° at or above 1300FT, direct to FK602, turn right direct to FK601, to ATRUK.  
RWY34 : Climb on HDG338° at or above 2000FT, turn right direct to OVSID, to ATRUK.

Note RWY16 : 7.0% climb gradient required up to 2000FT.

OBST ALT 896FT located at 0.6NM 141° FM end of RWY16.

Note RWY34 : 5.0% climb gradient required up to 2000FT.

OBST ALT 1181FT located at 1.4NM 319° FM end of RWY34.

OBST ALT 2067FT located at 6.7NM 345° FM end of RWY34.

## ASHIKITA TRANSITION

From ATRUK, to SASIK.

CHANGE : New PROC.

## STANDARD DEPARTURE CHART - INSTRUMENT

RJFK / KAGOSHIMA

RNAV SID and TRANSITION

ATRUK ONE DEPARTURE

## RWY16

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	-	-	158 (150.1)	-7.4	-	-	+1300	-	-	RNAV1
002	DF	FK602	Y	-	-7.4	-	-	-	-	-	RNAV1
003	DF	FK601	-	-	-7.4	-	R	-	-	-	RNAV1
004	TF	ATRUK	-	006 (358.9)	-7.4	13.7	-	-	-	-	RNAV1

## RWY34

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	-	-	338 (330.1)	-7.4	-	-	+2000	-	-	RNAV1
002	DF	OVSID	-	-	-7.4	-	R	-	-	-	RNAV1
003	TF	ATRUK	-	348 (340.9)	-7.4	7.5	-	-	-	-	RNAV1

ASHIKITA 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	ATRUK	-	-	-7.4	-	-	-	-	-	RNAV1
002	TF	SASIK	-	348 (340.9)	-7.4	14.4	-	-	-	-	RNAV1

CHANGE : New PROC.

## STANDARD DEPARTURE CHART - INSTRUMENT

RJFK / KAGOSHIMA		RNAV SID																																																																																				
MIZOBE ONE DEPARTURE																																																																																						
<p>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.</p> <p>2) RADAR service required.</p>	Critical DME	RWY16 : HKC 9.0NM to HKC - 3.0NM to HKC KGE 9.0NM to HKC - HKC SGE 3.0NM to HKC - HKC RWY34 : HKC 2.0NM from DER - 14.0NM to HKC KGE 2.0NM from DER - 9.0NM to HKC 7.0NM to HKC - 6.0NM to HKC 4.0NM to HKC - 2.0NM to HKC SGE 3.0NM to HKC - HKC																																																																																				
	DME GAP	RWY16 : DER - 9.0NM to HKC RWY34 : DER - 2.0NM from DER																																																																																				
	Inappropriate Navaids	See AD1.1.6.10.3 Inappropriate NAVAIDs for RNAV1																																																																																				
<p>RWY16 : Climb on HDG158° at or above 1300FT, direct to <u>FK602</u>, turn right direct to HKC at or above 5000FT.</p> <p>RWY34 : Climb on HDG338° at or above 3500FT, turn left direct to HKC at or above 5000FT.</p> <p>Note RWY16 : 7.0% climb gradient required up to 2000FT.        OBST ALT 890FT located at 0.6NM 154° FM end of RWY16.</p> <p>Note RWY34 : 5.0% climb gradient required up to 3500FT.        OBST ALT 1181FT located at 1.4NM 319° FM end of RWY34.        OBST ALT 2067FT located at 6.7NM 345° FM end of RWY34.</p>																																																																																						
<p><b>RWY16</b></p> <table border="1"> <thead> <tr> <th>Serial Number</th> <th>Path Descriptor</th> <th>Waypoint Identifier</th> <th>Fly Over</th> <th>Course °M(T)</th> <th>Magnetic Variation</th> <th>Distance (NM)</th> <th>Turn Direction</th> <th>Altitude (FT)</th> <th>Speed (KIAS)</th> <th>Vertical Angle</th> <th>Navigation Specification</th> </tr> </thead> <tbody> <tr> <td>001</td> <td>VA</td> <td>-</td> <td>-</td> <td>158 (150.1)</td> <td>-7.4</td> <td>-</td> <td>-</td> <td>+1300</td> <td>-</td> <td>-</td> <td>RNAV1</td> </tr> <tr> <td>002</td> <td>DF</td> <td>FK602</td> <td>Y</td> <td>-</td> <td>-7.4</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>RNAV1</td> </tr> <tr> <td>003</td> <td>DF</td> <td>HKC</td> <td>-</td> <td>-</td> <td>-7.4</td> <td>-</td> <td>R</td> <td>+5000</td> <td>-</td> <td>-</td> <td>RNAV1</td> </tr> </tbody> </table> <p><b>RWY34</b></p> <table border="1"> <thead> <tr> <th>Serial Number</th> <th>Path Descriptor</th> <th>Waypoint Identifier</th> <th>Fly Over</th> <th>Course °M(T)</th> <th>Magnetic Variation</th> <th>Distance (NM)</th> <th>Turn Direction</th> <th>Altitude (FT)</th> <th>Speed (KIAS)</th> <th>Vertical Angle</th> <th>Navigation Specification</th> </tr> </thead> <tbody> <tr> <td>001</td> <td>VA</td> <td>-</td> <td>-</td> <td>338 (330.1)</td> <td>-7.4</td> <td>-</td> <td>-</td> <td>+3500</td> <td>-</td> <td>-</td> <td>RNAV1</td> </tr> <tr> <td>002</td> <td>DF</td> <td>HKC</td> <td>-</td> <td>-</td> <td>-7.4</td> <td>-</td> <td>L</td> <td>+5000</td> <td>-</td> <td>-</td> <td>RNAV1</td> </tr> </tbody> </table>			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	-	-	158 (150.1)	-7.4	-	-	+1300	-	-	RNAV1	002	DF	FK602	Y	-	-7.4	-	-	-	-	-	RNAV1	003	DF	HKC	-	-	-7.4	-	R	+5000	-	-	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	VA	-	-	338 (330.1)	-7.4	-	-	+3500	-	-	RNAV1	002	DF	HKC	-	-	-7.4	-	L	+5000	-	-	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	VA	-	-	158 (150.1)	-7.4	-	-	+1300	-	-	RNAV1																																																																											
002	DF	FK602	Y	-	-7.4	-	-	-	-	-	RNAV1																																																																											
003	DF	HKC	-	-	-7.4	-	R	+5000	-	-	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	VA	-	-	338 (330.1)	-7.4	-	-	+3500	-	-	RNAV1																																																																											
002	DF	HKC	-	-	-7.4	-	L	+5000	-	-	RNAV1																																																																											

CHANGE : New PROC.

## **STANDARD ARRIVAL CHART -INSTRUMENT**

RJFK / KAGOSHIMA

## RNAV STAR RWY34

**SIMAZ EAST ARRIVAL**

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

**VAR 7°W**

**NOT TO SCALE**

1MIN(at or below FL140)  
1.5MIN(above FL140)

097° →  
277° ←

SPICA  
315650.2N  
1312623.5E  
10000

MHA 10000  
MAX 230KIAS(at or below FL140)  
MAX 240KIAS(above FL140)

VOR/DME - KAJIKI  
115.7 KGE  
CH-104X  
31°47'51"N/130°43'34"E  
900FT

MIYAZAKI AP  
VOR/DME MIYAZAKI  
112.4 MZE  
CH-71X  
31°52'43"N/131°26'15"E  
100FT

NOT TO SCALE

1MIN(at or below FL140)  
1.5MIN(above FL140)

211° ←  
245° →

JANUS  
314516.7N  
1310450.1E  
6000

MUSES  
314004.5N  
1305007.4E  
3100

CELES  
314010.5N  
1305520.6E  
4100  
MAX230KIAS

SIMAZ  
314038.1N  
1304816.5E  
2800  
MAX200KIAS

KEPLA  
313932.3N  
1305153.4E  
3300

CELES  
314010.5N  
1305520.6E  
4100  
MAX230KIAS

MHA 4100  
MAX 230KIAS(at or below FL140)  
MAX 240KIAS(above FL140)

From SPICA at or above 10000FT, to JANUS at or above 6000FT, to CELES at or above 4100FT, to KEPLA at or above 3300FT, to MUSES at or above 3100FT, to SIMAZ at above 2800FT.

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	SPICA	—	—	-7.2	—	—	+10000	—	—	RNAV1
002	TF	JANUS	—	245 (237.8)	-7.2	21.7	—	+6000	—	—	RNAV1
003	TF	CELES	—	245 (237.8)	-7.2	9.6	—	+4100	-230	—	RNAV1
004	TF	KEPLA	—	265 (257.8)	-7.2	3.0	—	+3300	—	—	RNAV1
005	TF	MUSES	—	297 (289.6)	-7.2	1.6	—	+3100	—	—	RNAV1
006	TF	SIMAZ	—	297 (289.6)	-7.2	1.7	—	+2800	—	—	RNAV1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	SPICA	277 (270.1)	-7.4	1.0(-14000) 1.5(+14001)	R	10000	—	-230(-14000) -240(+14001)	RNAV1
Hold	CELES	265 (257.8)	-7.2	1.0(-14000) 1.5(+14001)	L	4100	—	-230(-14000) -240(+14001)	RNAV1

## STANDARD ARRIVAL CHART -INSTRUMENT

RJFK / KAGOSHIMA

RNAV STAR RWY34

SIMAZ NORTH ARRIVAL

RNAV 1

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

2 ) RADAR service required.

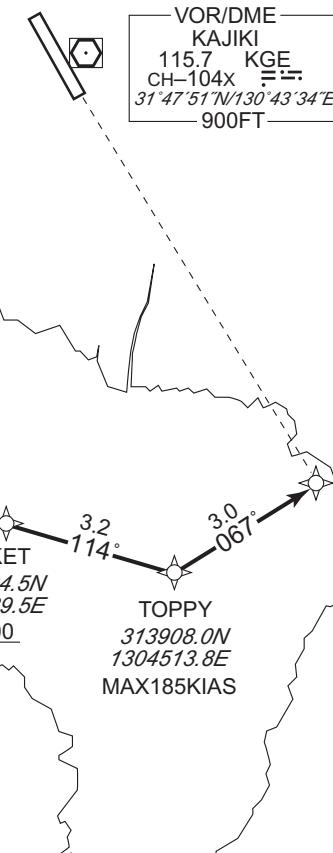
VAR 7°W

VOR/DME  
KAJIKI  
115.7 KGE  
CH-104X  
31°47'51"N 130°43'34"E  
900FT

VORTAC  
KAGOSHIMA  
113.3 HKC  
CH-80X  
31°41'50"N 130°34'59"E  
1900FT

KAGOSHIMA(HKC)  
314150.0N  
1303458.6E  
3500

NOT TO SCALE  
MHA 5000  
MAX 230KIAS(at or below FL140)  
MAX 240KIAS(above FL140)  
KAGOSHIMA (HKC)  
1MIN(at or below FL140)  
1.5MIN(above FL140)



SIMAZ  
314038.1N  
1304816.5E  
2800

From HKC at or above 3500FT, to ROKET at or above 3100FT, to TOPPY, to SIMAZ at or above 2800FT.

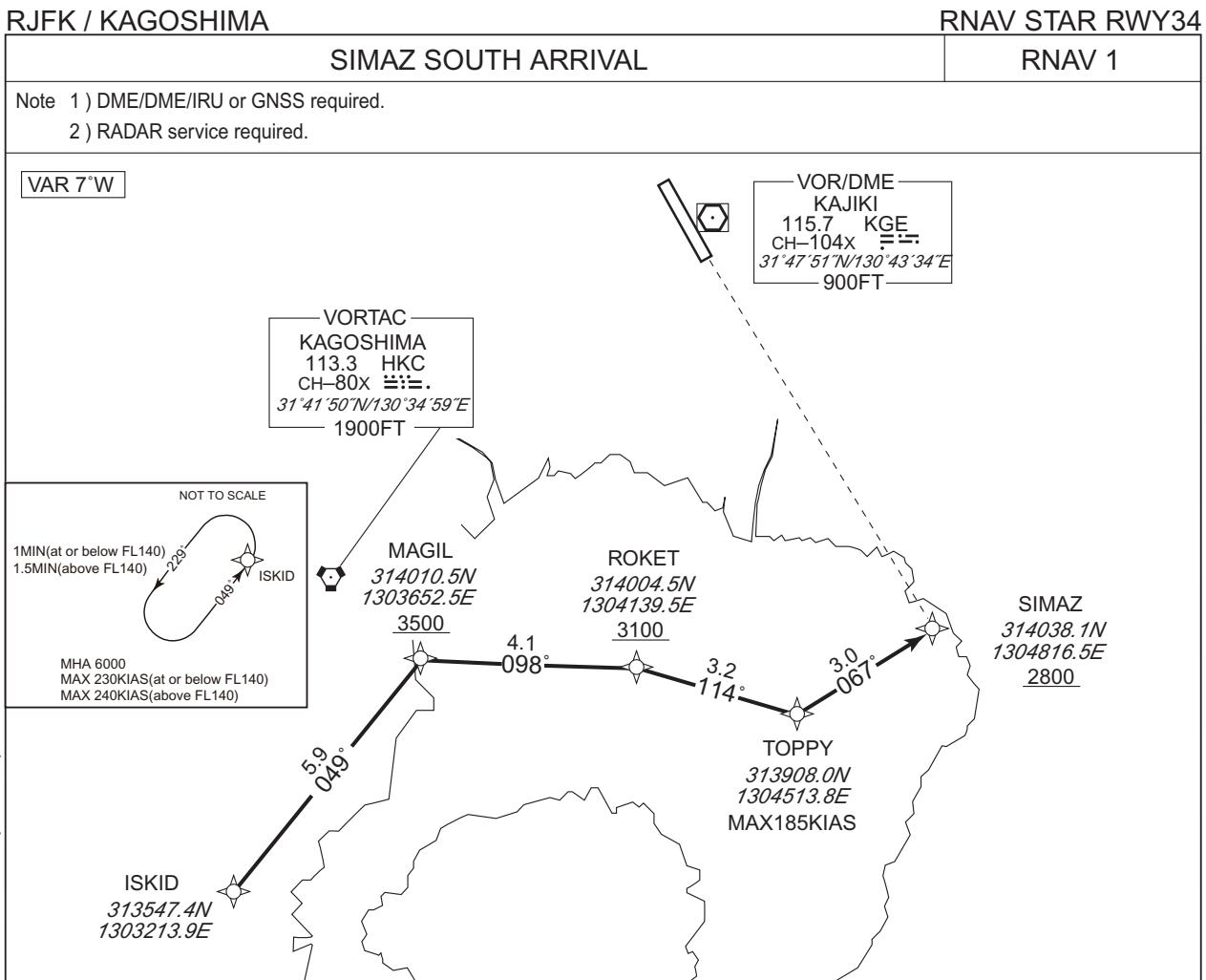
Critical DME	KGE : 3NM to ROKET - SIMAZ
DME GAP	HKC - 3NM to ROKET
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

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	HKC	-	-	-6.9	-	-	+3500	-	-	RNAV1
002	TF	ROKET	-	114 (107.2)	-6.9	6.0	-	+3100	-	-	RNAV1
003	TF	TOPPY	-	114 (107.2)	-6.9	3.2	-	-	-185	-	RNAV1
004	TF	SIMAZ	-	067 (059.9)	-6.9	3.0	-	+2800	-	-	RNAV1

Path	Waypoint Identifier	Inbound Course °M(T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	HKC	115 (107.1)	-7.4	1.0(-14000) 1.5(+14001)	R	5000	-	-230(-14000) -240(+14001)	RNAV1

CHANGE : RNAV HLDG established. HLDG for using NAVAID abolished(HKC).

STANDARD ARRIVAL CHART -INSTRUMENT



CHANGE : RNAV HLDG established. HLDG for using NAVAID abolished(ISKID).

From ISKID, to MAGIL at or above 3500FT, to ROKET at or above 3100FT, to TOPPY, to SIMAZ at or above 2800FT.

Critical DME	-	
DME GAP	ISKID - 3NM to MAGIL 1NM to MAGIL - SIMAZ	
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	ISKID	-	-	-6.9	-	-	-	-	-	RNAV1
002	TF	MAGIL	-	049 (042.0)	-6.9	5.9	-	+3500	-	-	RNAV1
003	TF	ROKET	-	098 (091.4)	-6.9	4.1	-	+3100	-	-	RNAV1
004	TF	TOPPY	-	114 (107.2)	-6.9	3.2	-	-	-185	-	RNAV1
005	TF	SIMAZ	-	067 (059.9)	-6.9	3.0	-	+2800	-	-	RNAV1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	ISKID	049 (042.0)	-7.4	1.0(-14000) 1.5(+14001)	L	6000	-	-230(-14000) -240(+14001)	RNAV1

## STANDARD ARRIVAL CHART -INSTRUMENT

RJFK / KAGOSHIMA

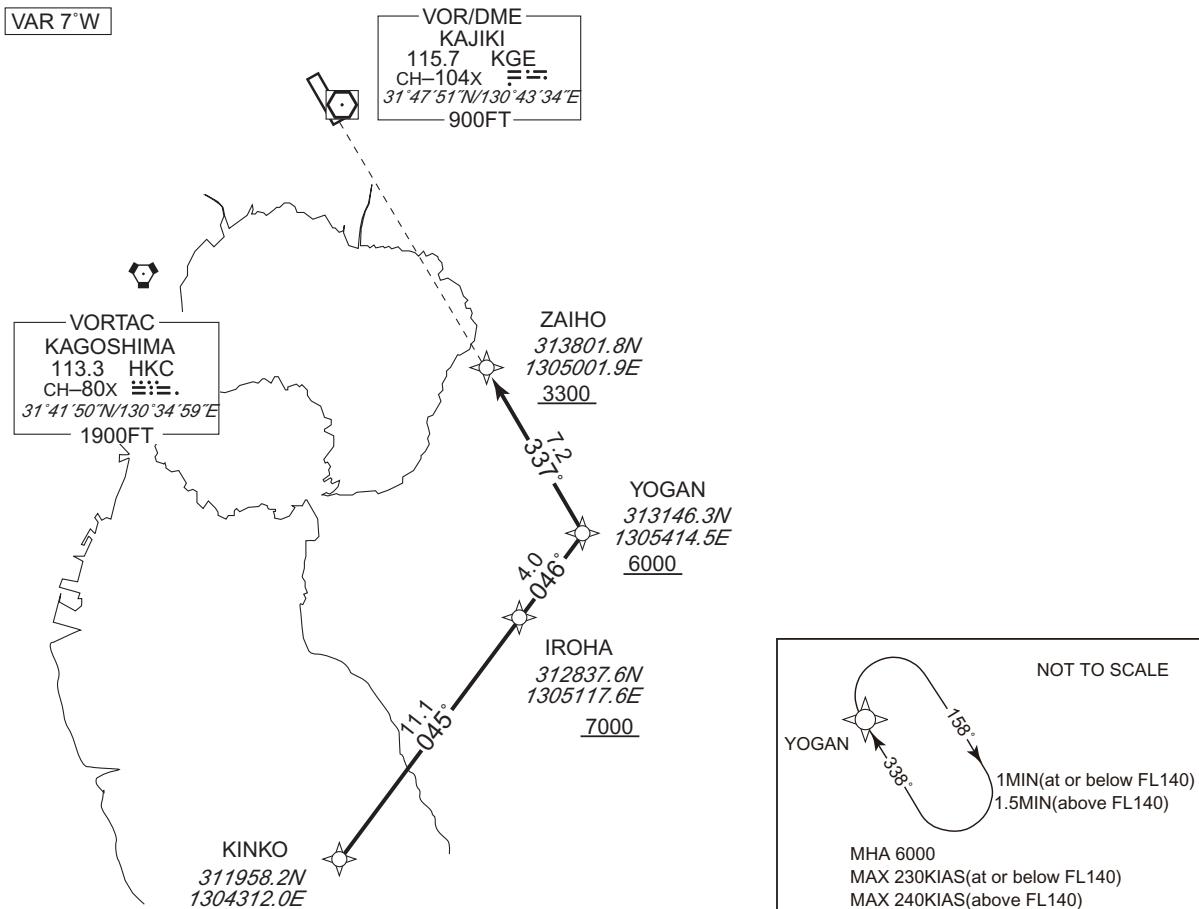
RNAV STAR RWY34

## KINKOH ARRIVAL

RNAV 1

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

2) RADAR service required.



From KINKO, to IROHA at or above 7000FT, to YOGAN at or above 6000FT, to ZAIHO at or above 3300FT.

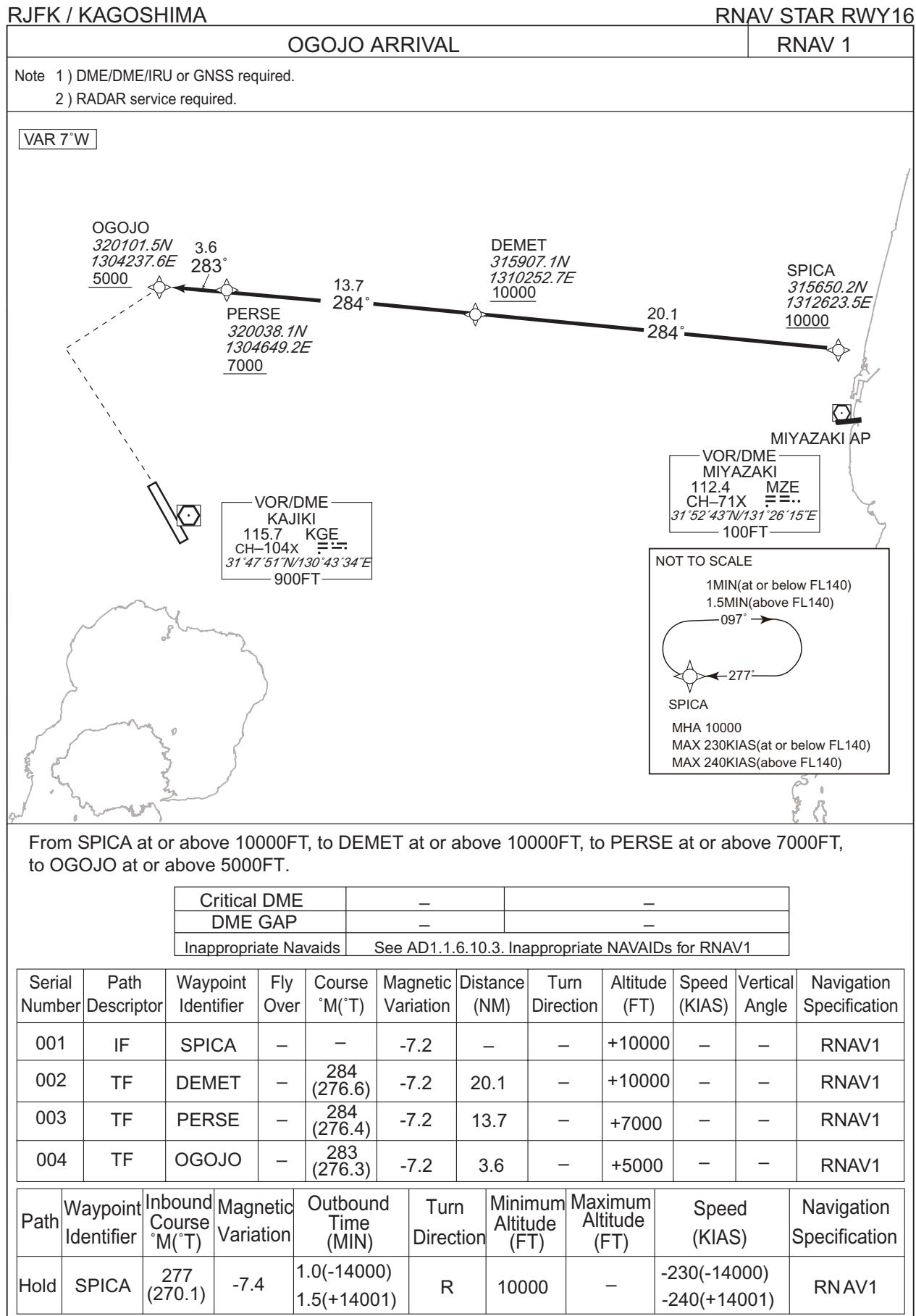
Critical DME	JAT : 10.2NM to IROHA – 5.7NM to IROHA NHT : 5.6NM to IROHA – 2.4NM to IROHA 2.4NM to ZAIHO – 1.2NM to ZAIHO HKC : 4.4NM to ZAIHO – 1.3NM to ZAIHO
DME GAP	–
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDS for RNAV

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	KINKO	–	–	-6.9	–	–	–	–	–	RNAV1
002	TF	IROHA	–	045 (038.6)	-6.9	11.1	–	+7000	–	–	RNAV1
003	TF	YOGAN	–	046 (038.6)	-6.9	4.0	–	+6000	–	–	RNAV1
004	TF	ZAIHO	–	337 (330.2)	-6.9	7.2	–	+3300	–	–	RNAV1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	YOGAN	338 (330.2)	-7.4	1.0(-14000) 1.5(+14001)	R	6000	–	-230(-14000) -240(+14001)	RNAV1

CHANGE : RNAV HLDG established. HLDG for using NAVAID abolished(YOGAN).

STANDARD ARRIVAL CHART-INSTRUMENT



## STANDARD ARRIVAL CHART-INSTRUMENT

RJFK / KAGOSHIMA

RNAV STAR RWY16

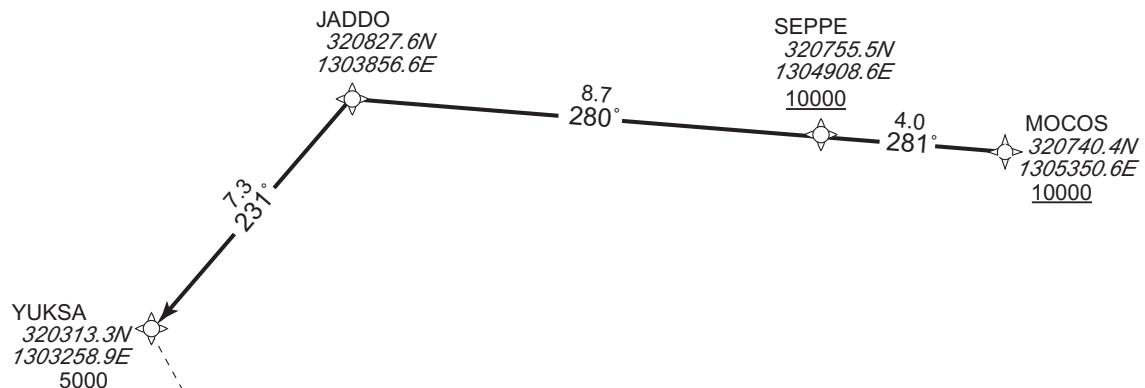
YUKSA ARRIVAL

RNAV 1

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

2 ) RADAR service required.

VAR 7°W



VOR/DME  
KAJIKI  
115.7 KGE  
CH-104x   
31°47'51"N/130°43'34"E  
900FT

From MOCOS at or above 10000FT, to SEPPE at or above 10000FT, to JADDO, to YUKSA at or above 5000FT.

Critical DME	MZE	2NM to JADDO - JADDO
	KUE	1NM to YUKSA - YUKSA
	MZE	1NM to YUKSA - YUKSA
DME GAP	-	-
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIIDs for RNAV1	

CHANGE : Description of VAR and PROC name.

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	MOCOS	-	-	-6.9	-	-	+10000	-	-	RNAV1
002	TF	SEPPE	-	281 (273.6)	-6.9	4.0	-	+10000	-	-	RNAV1
003	TF	JADDO	-	280 (273.6)	-6.9	8.7	-	-	-	-	RNAV1
004	TF	YUKSA	-	231 (224.0)	-6.9	7.3	-	+5000	-	-	RNAV1

STANDARD ARRIVAL CHART-INSTRUMENT

RJFK / KAGOSHIMA

RNAV STAR RWY16

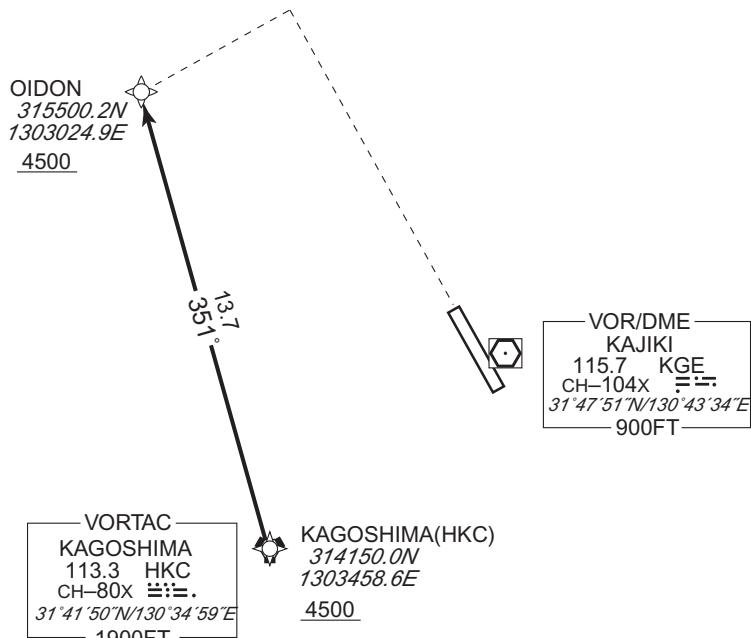
OIDON ARRIVAL

RNAV 1

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

2 ) RADAR service required.

VAR 7°W



From HKC at or above 4500FT, to OIDON at or above 4500FT.

Critical DME	HKC	7NM to OIDON - OIDON
DME GAP	HKC - 10NM to OIDON	
Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1	

CHANGE : Description of VAR and PROC name.

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	HKC	-	-	-6.9	-	-	+4500	-	-	RNAV1
002	TF	OIDON	-	351 (343.6)	-6.9	13.7	-	+4500	-	-	RNAV1

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## **INSTRUMENT APPROACH CHART**

RJFK / KAGOSHIMA

**KAGOSHIMA APP**  
126.0 – 119.4  
120.8 – 261.2

**ILS - LOC**  
111.7 IKG  
ILS-GP 333.5  
ILS-DME CH-54X

**KAGOSHIMA TOWER**  
118.2 – 126.2 – 261.2

**RADAR AVBL**  
ATIS 127.05

**VAR 7°W**

**MSA 25NM**

1148 A. 1237

2306

2232

1204 A.

1273 A.

HDG 337°

859

1011 A.

MAPt (LOC)  
D0.6 IKG

VOR/DME  
KAJIKI  
115.7 KGE  
CH-104X  
31°47'51"N/130°43'34"E

EQPT REQUIRED  
DME  
VOR

270°

10NM

1783

1982

RYUMO (FAF)  
D5.1 IKG

SIMAZ (IF)  
D8.1 IKG

ZAIHO (IAF)  
D11.1 IKG

1773

1900

1596°

294°

MHA 5000  
MAX 230KIAS

VORTAC  
KAGOSHIMA  
113.3 HKC  
CH-80X

1813

337°

337°

337°

1587

1720

337°

337°

337°

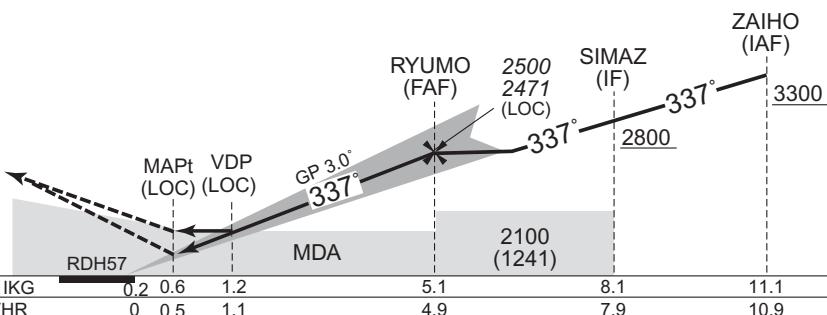
RYUMO(FAF) : 314314.41N/1304631.08E

NM to IKG	MAPt	2	3	4	5	FAF
ALT (3.0° APCH Path)	–	1490	1809	2127	2446	2471

## MISSED APPROACH

Climb to 1300FT on HDG337°,  
turn left, direct to HKC VORTAC  
and hold at 5000FT.  
Contact KAGOSHIMA APP.

No turn before IKG 0.6DME.  
Timing not authorized for defining the MAPt.



Missed APCH climb gradient MNM 5.0%

No turn before IKG 0.6DME.  
Timing not authorized for defining the MAPt.

	DME to IKG	0.2	0.6	1.2	5.1	8.1	11.1
NM to THR	0	0.5	1.1	4.9	7.9	10.9	

RDH57

MAPt (LOC) (LOC)

VDP (LOC)

GP 3.0° 331°

MDA

2100 (1241)

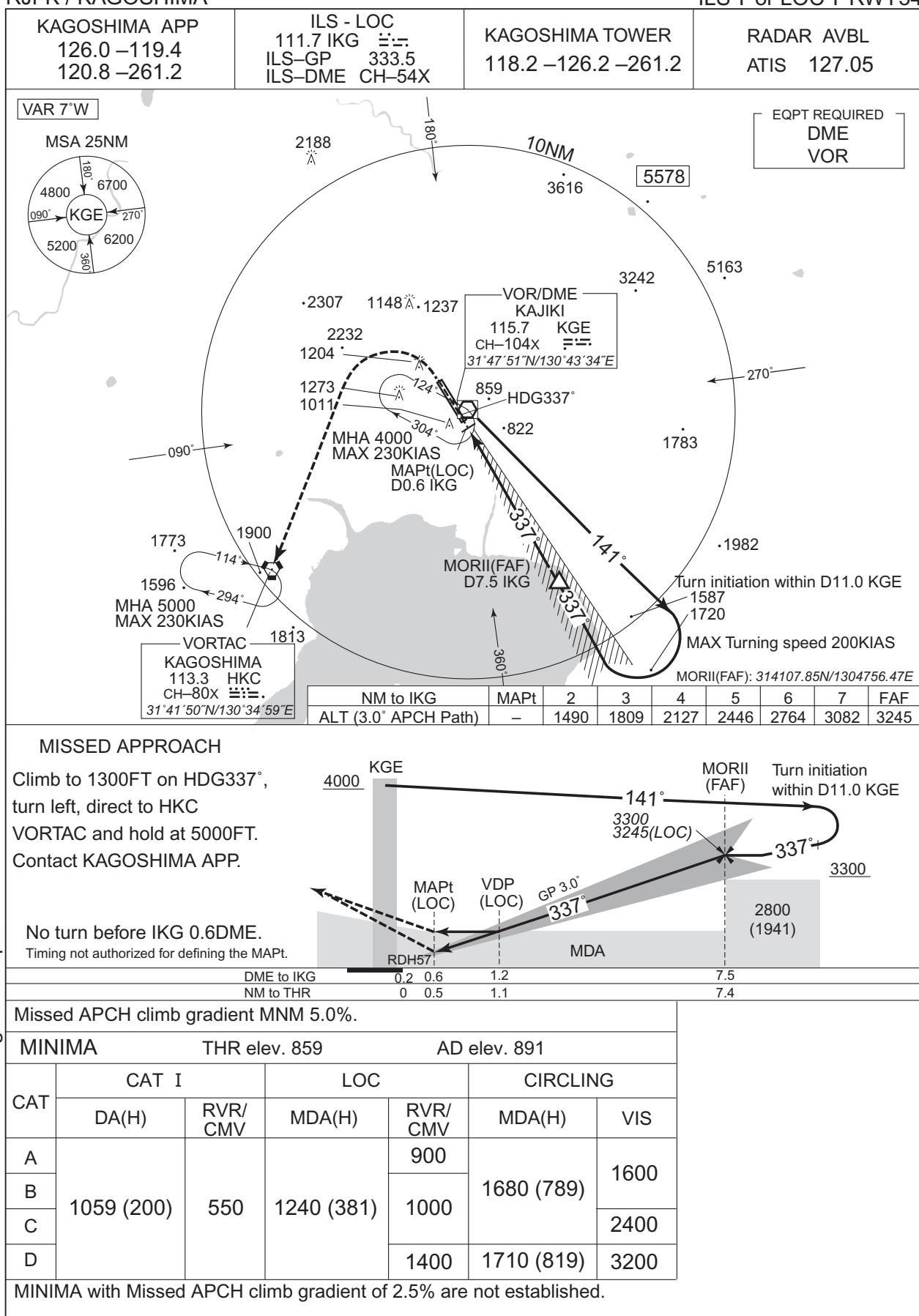
Missed APCH climb gradient MNM 5.0%

MINIMA		THR elev. 859		AD elev. 891		
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A				900		
B					1680 (789)	1600
C	1059 (200)	550	1240 (381)	1000		2400
D				1400	1710 (819)	3200

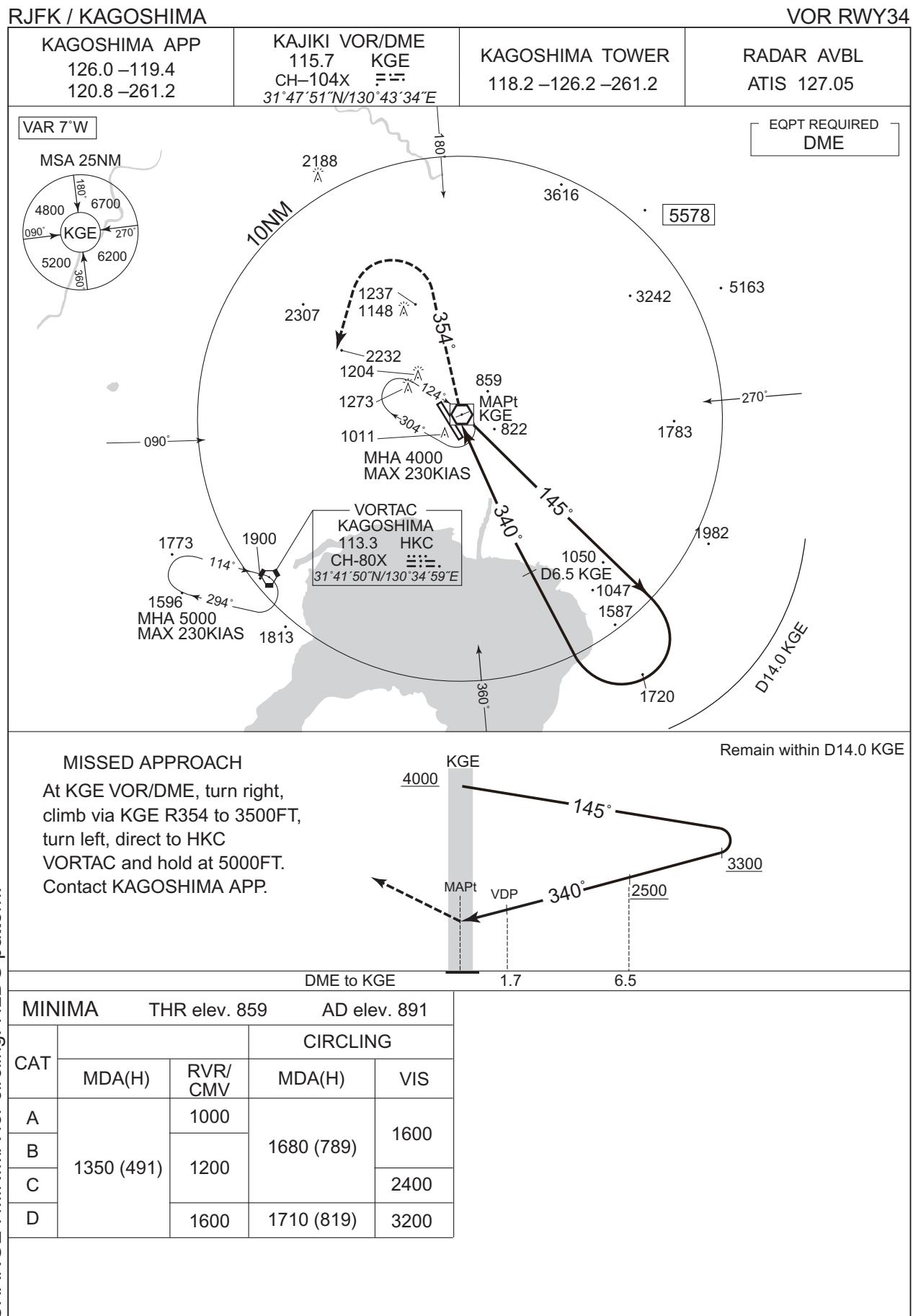
MINIMA with Missed APCH climb gradient of 2.5% are not established.

## INSTRUMENT APPROACH CHART

RJFK / KAGOSHIMA



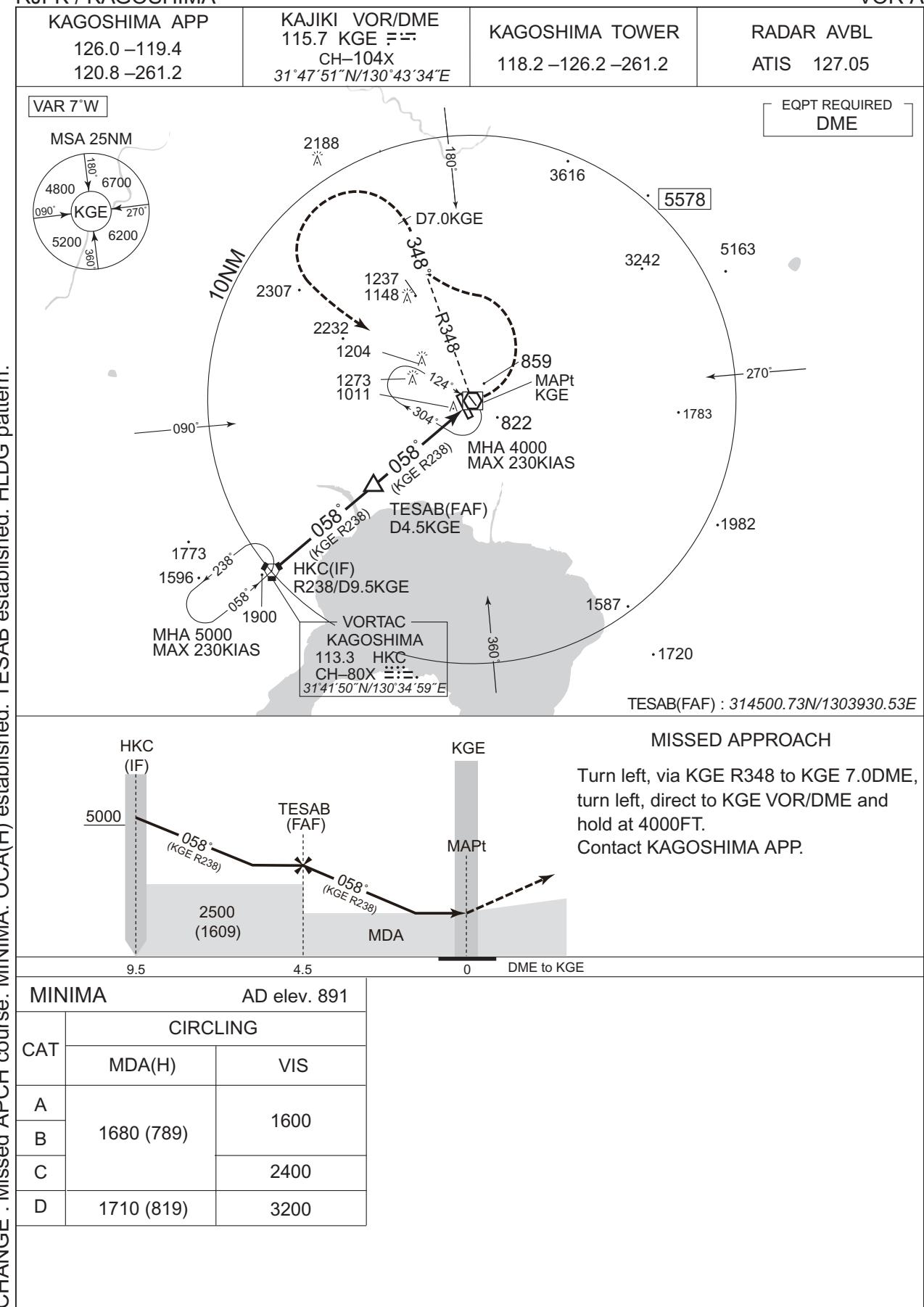
INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART

RJFK / KAGOSHIMA

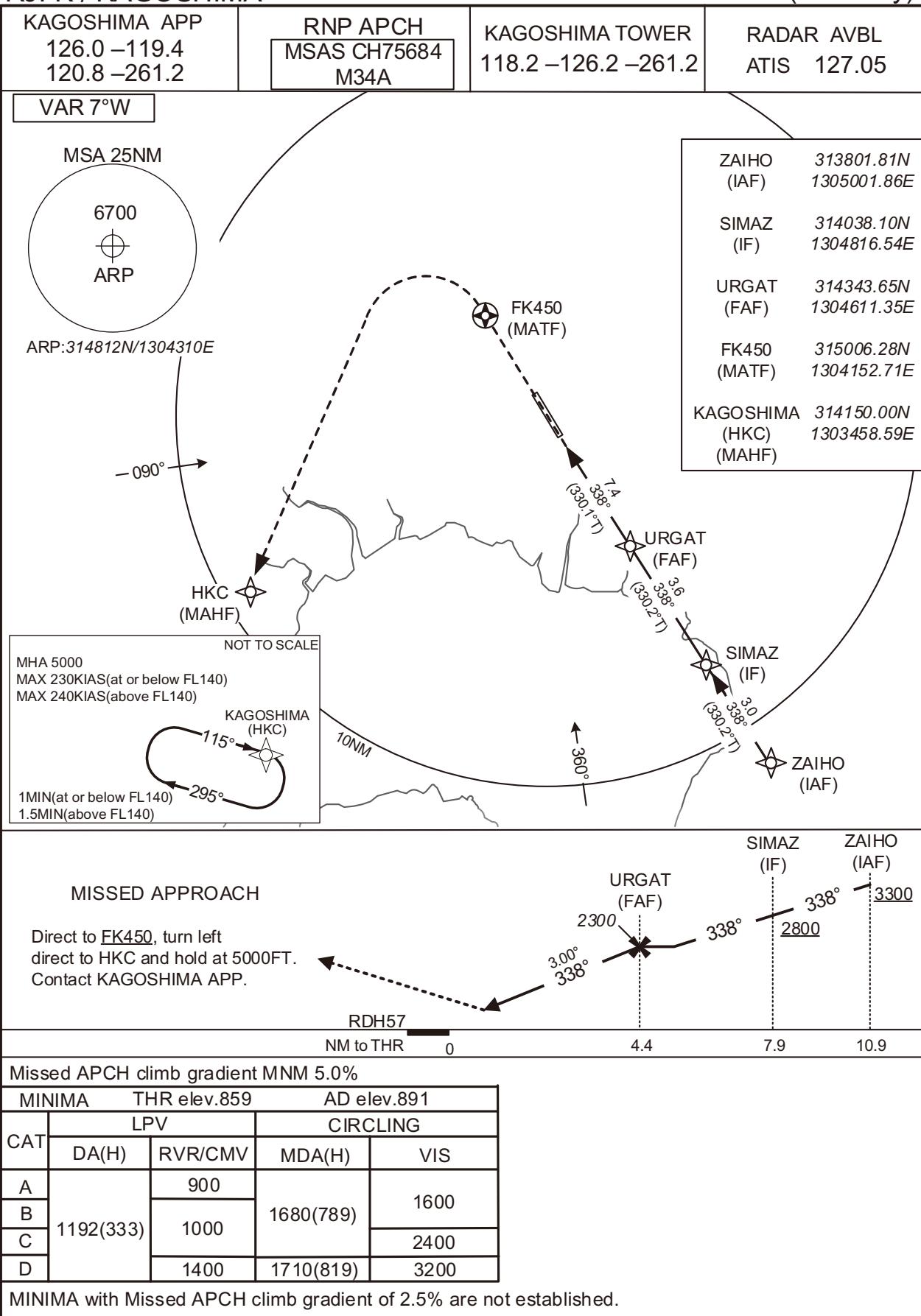
VOR A



INSTRUMENT APPROACH CHART

RJFK / KAGOSHIMA

RNP RWY34(LPV only)



CHANGE : New PROC.

## INSTRUMENT APPROACH CHART

RJFK / KAGOSHIMA

RNP RWY34(LPV only)

**FAS DATA BLOCK**

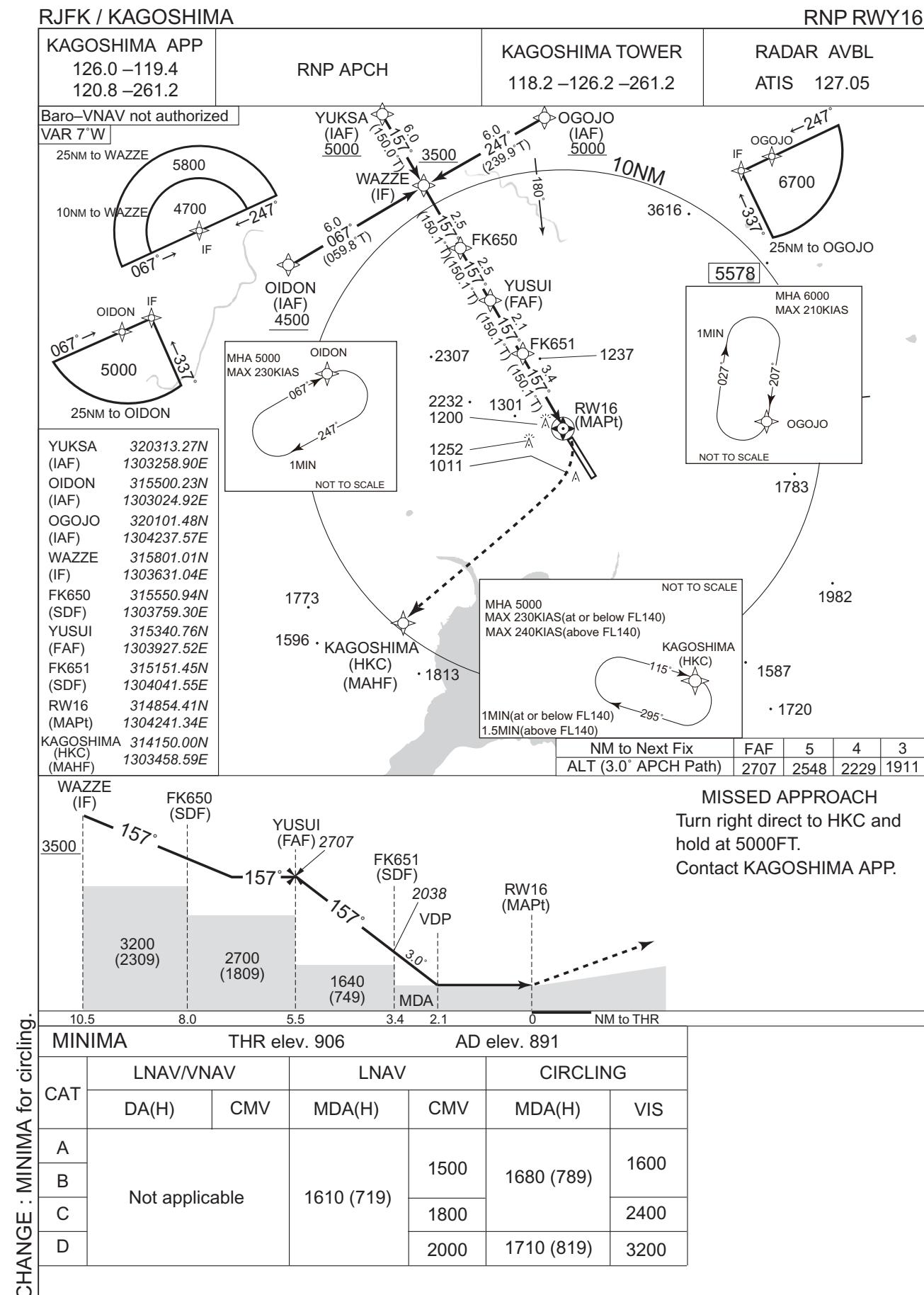
Operation type	0	LTP/FTP ellipsoidal height	+02939
SBAS service provider identifier	2	FPAP latitude	314854.3765N
Airport identifier	RJFK	FPAP longitude	1304241.3430E
Runway	34	Threshold crossing height	00017.3
Approach performance designator	0	TCH units selector	1
Route indicator		Glide path angle	03.00
Reference path data selector	0	Course width at threshold	105.00
Reference path ID	M34A	Δ length offset	0000
LTP/FTP latitude	314730.0345N	HAL	40.0
LTP/FTP longitude	1304338.3800E	VAL	50.0
CRC remainder	7F3AEA21		

**Required additional data**

LTP/FTP orthometric height	262.2
----------------------------	-------

CHANGE : New PROC.

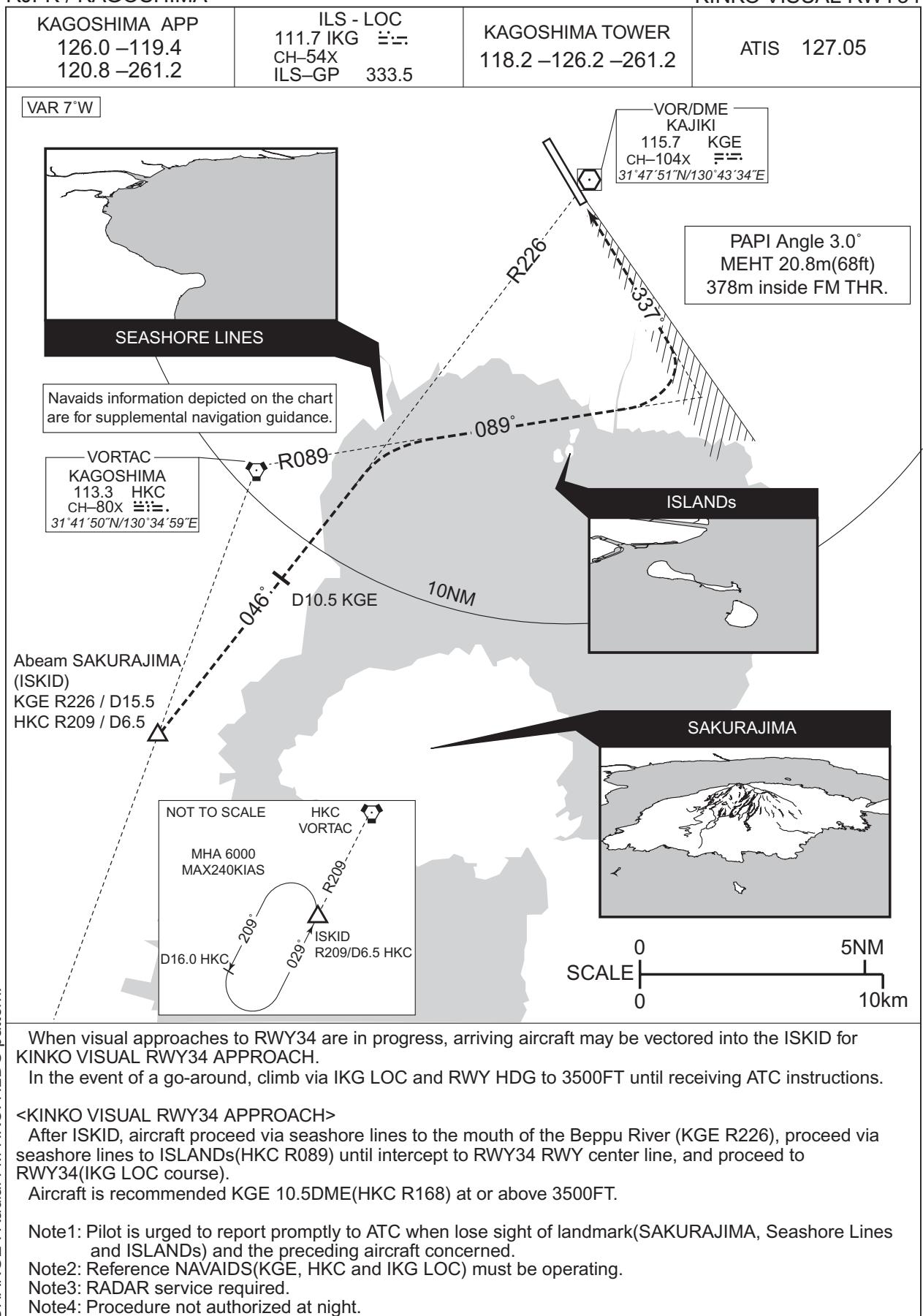
INSTRUMENT APPROACH CHART



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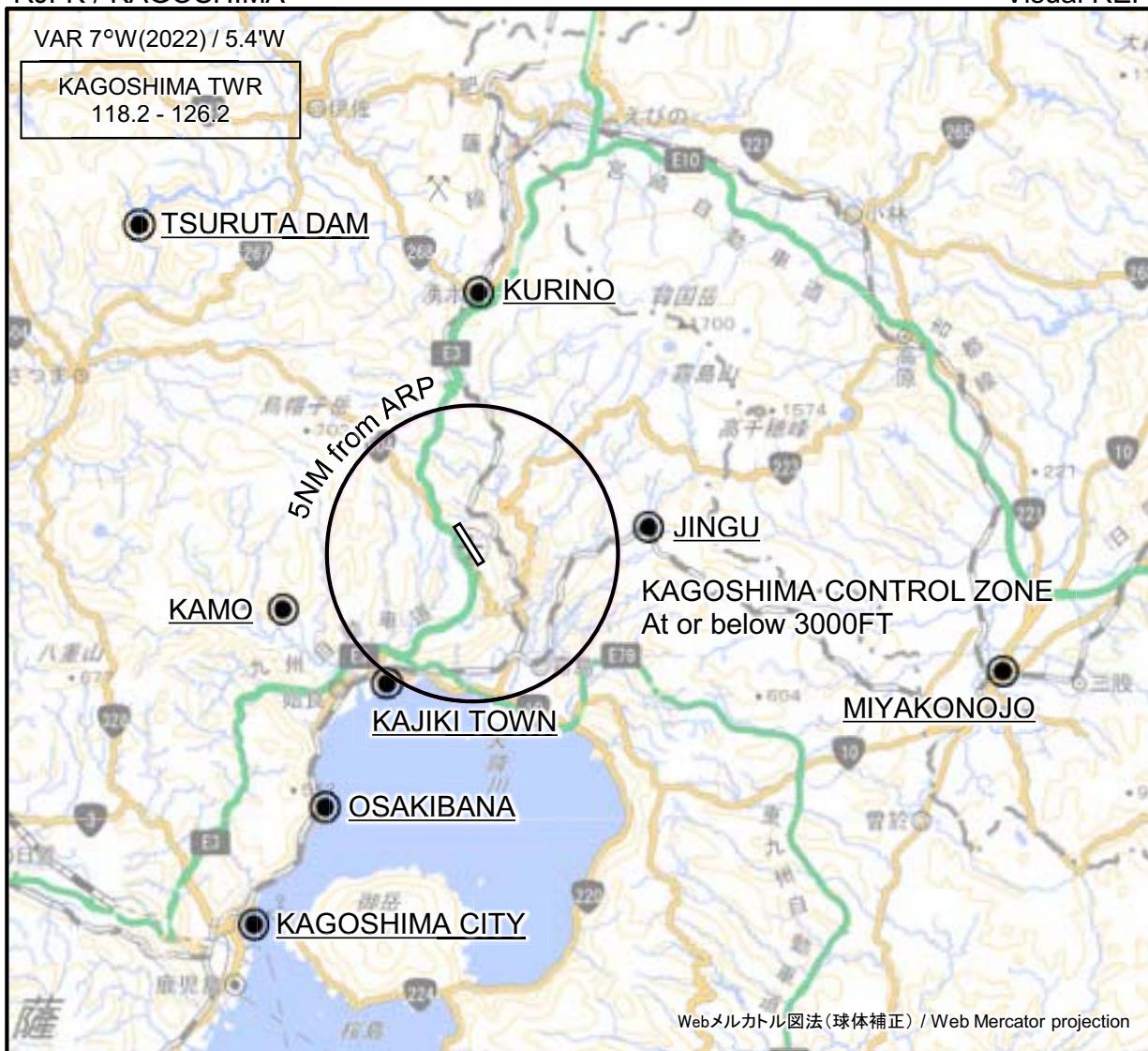
RJFK / KAGOSHIMA

VISUAL APPROACH  
KINKO VISUAL RWY34



RJFK / KAGOSHIMA

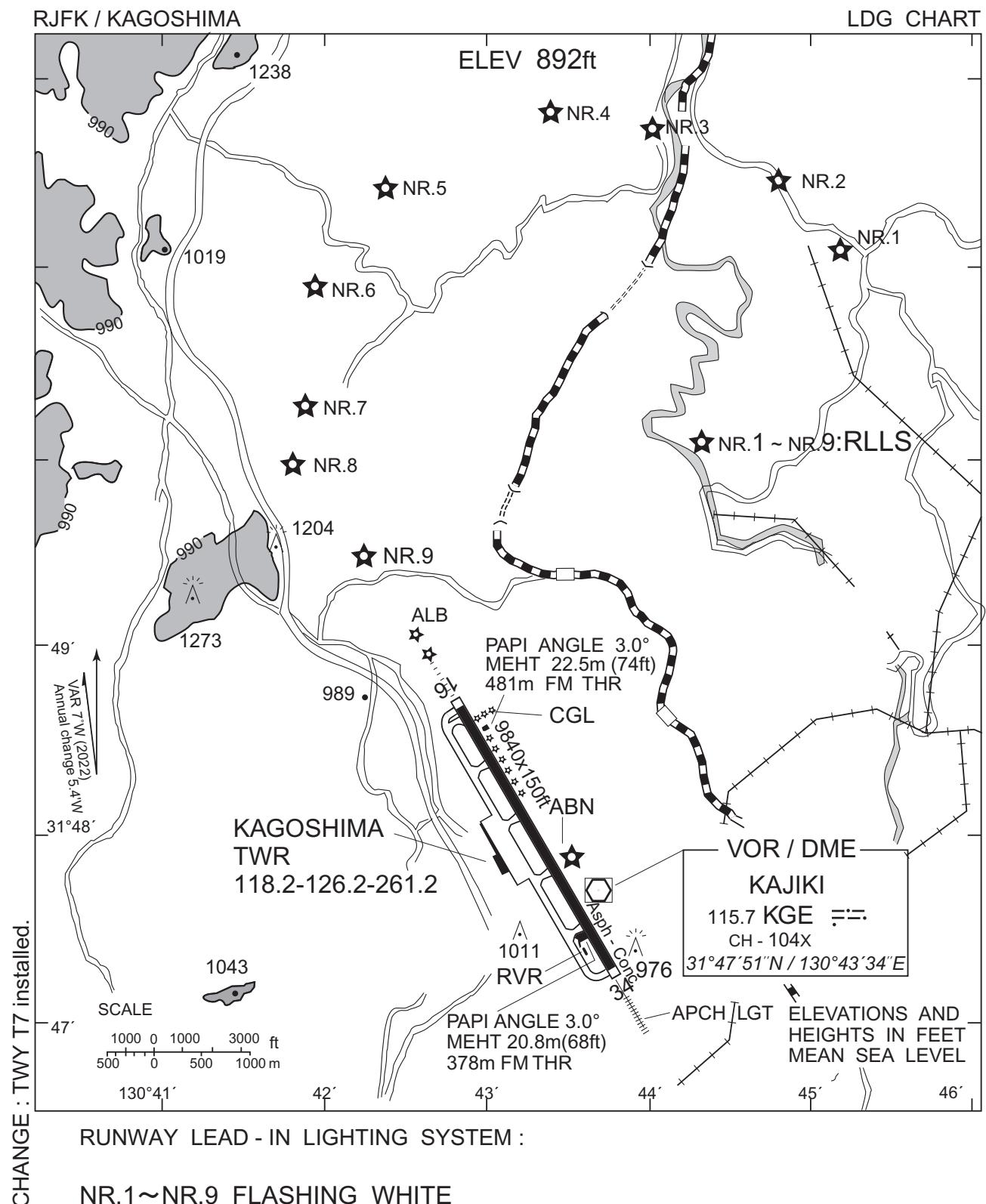
Visual REP



※図中に標高を示す数字がある場合、単位はメートル(m)である。The unit of measurement used to express elevation is meter(m).

CHANGE : Map updated. BRG/DIST from ARP.

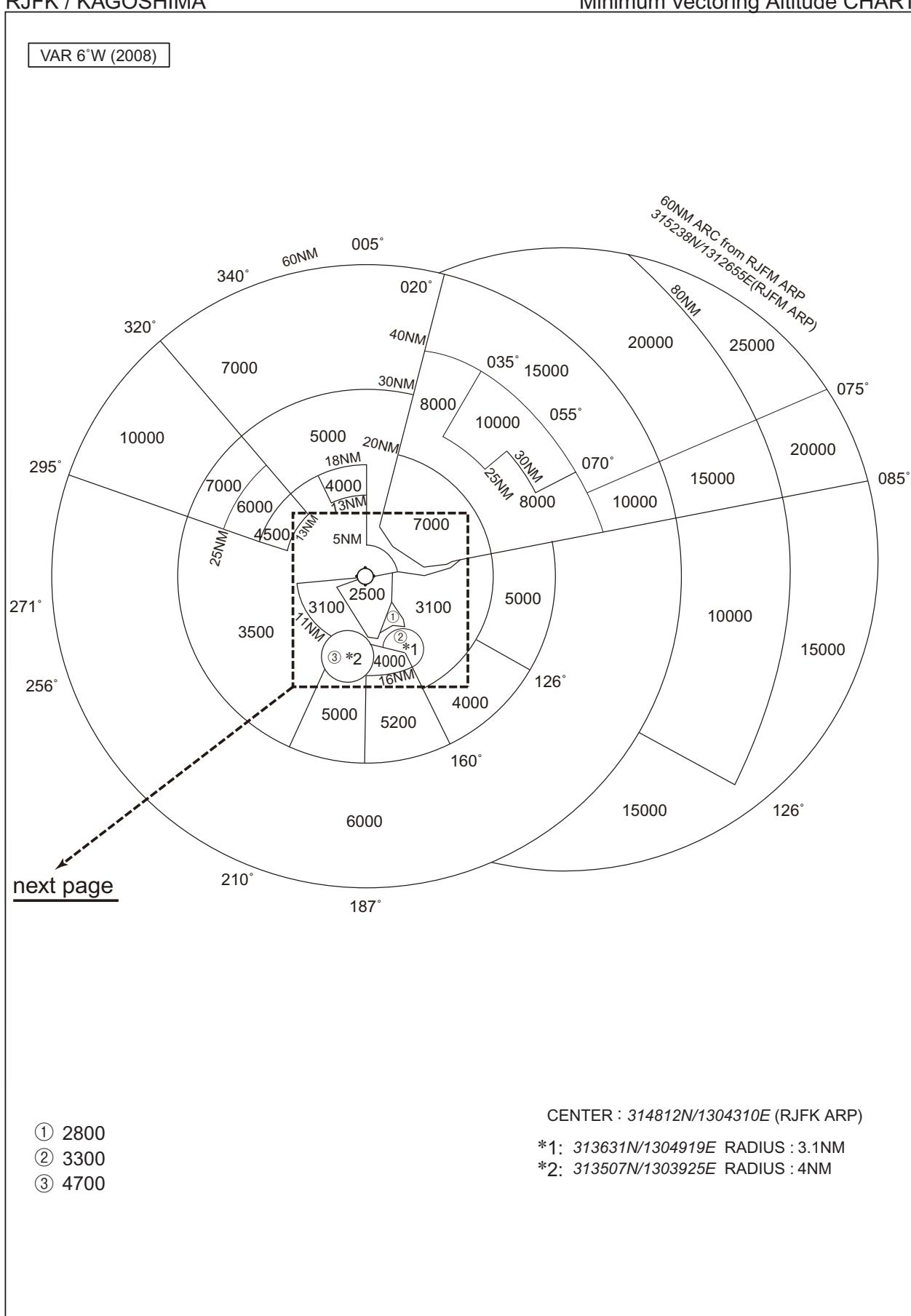
Call sign	BRG / DIST from ARP	Remarks
鶴田ダム Tsuruta Dam	314°T / 16.0NM	ダム Dam
栗野 Kurino	001°T / 8.8NM	JR駅 JR Station
神宮 Jingu	081°T / 6.1NM	JR駅 JR Station
蒲生 Kamo	254°T / 6.8NM	住吉池 Pond
都城 Miyakonojo	102°T / 18.6NM	JR駅 JR Station
加治木タウン Kajiki Town	214°T / 5.3NM	網掛川河口 River mouth (The Amikake)
大崎鼻 Osakibana	211°T / 10.0NM	崎 Point
鹿児島シティ Kagoshima City	211°T / 14.7NM	港 Harbor



RJFK / KAGOSHIMA

Minimum Vectoring Altitude CHART

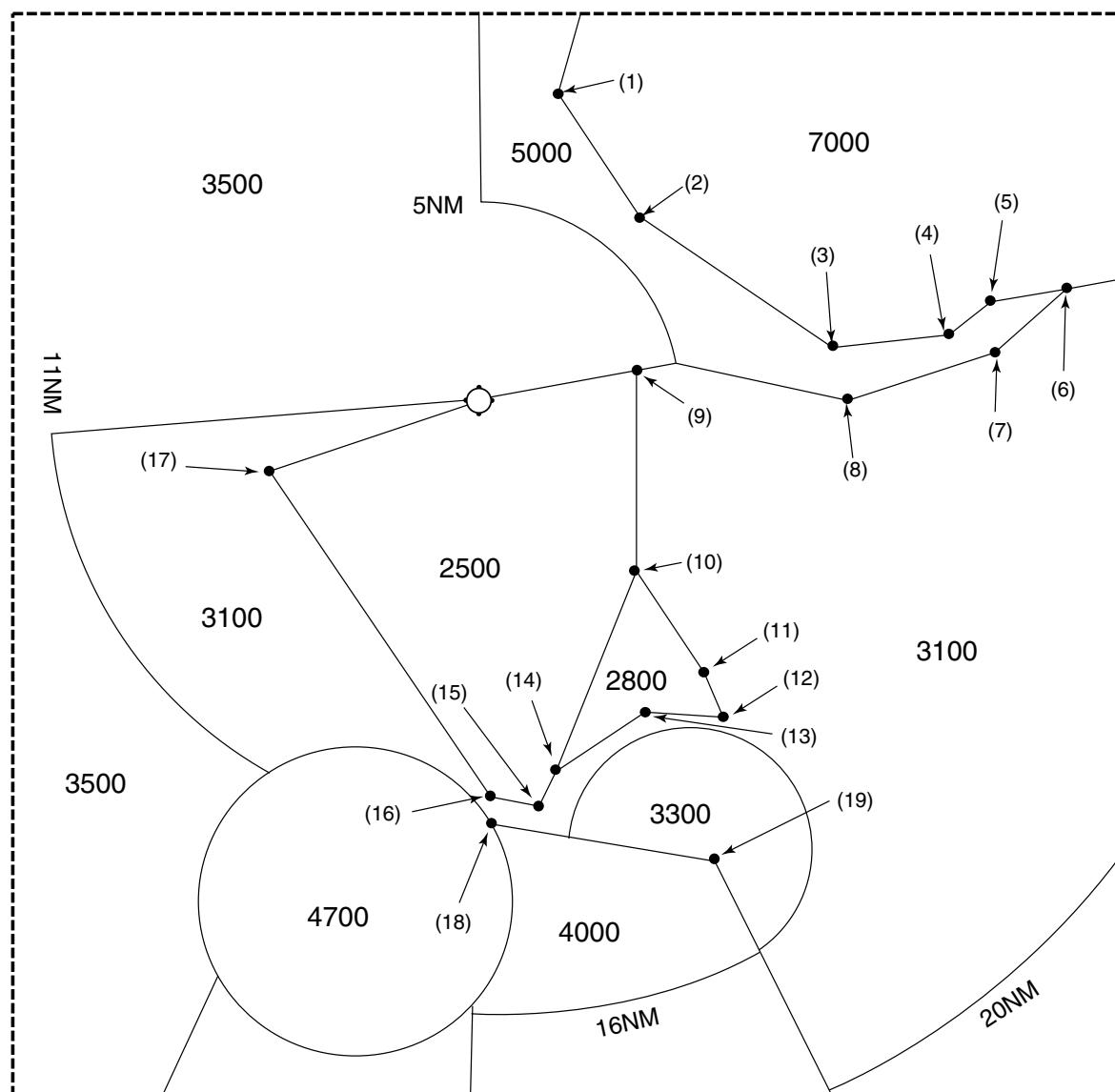
VAR 6°W (2008)



RJFK / KAGOSHIMA

Minimum Vectoring Altitude CHART

enlarged view



- |                        |                         |
|------------------------|-------------------------|
| ( 1 ) 315600N/1304528E | ( 11 ) 314059N/1304947E |
| ( 2 ) 315250N/1304805E | ( 12 ) 314004N/1305007E |
| ( 3 ) 314927N/1305345E | ( 13 ) 314005N/1304809E |
| ( 4 ) 314951N/1305709E | ( 14 ) 313829N/1304518E |
| ( 5 ) 315042N/1305825E | ( 15 ) 313733N/1304453E |
| ( 6 ) 315102N/1310029E | ( 16 ) 313747N/1304326E |
| ( 7 ) 314919N/1305824E | ( 17 ) 314616N/1303653E |
| ( 8 ) 314801N/1305359E | ( 18 ) 313707N/1304328E |
| ( 9 ) 314858N/1304746E | ( 19 ) 313608N/1305004E |
| (10) 314342N/1304742E  |                         |