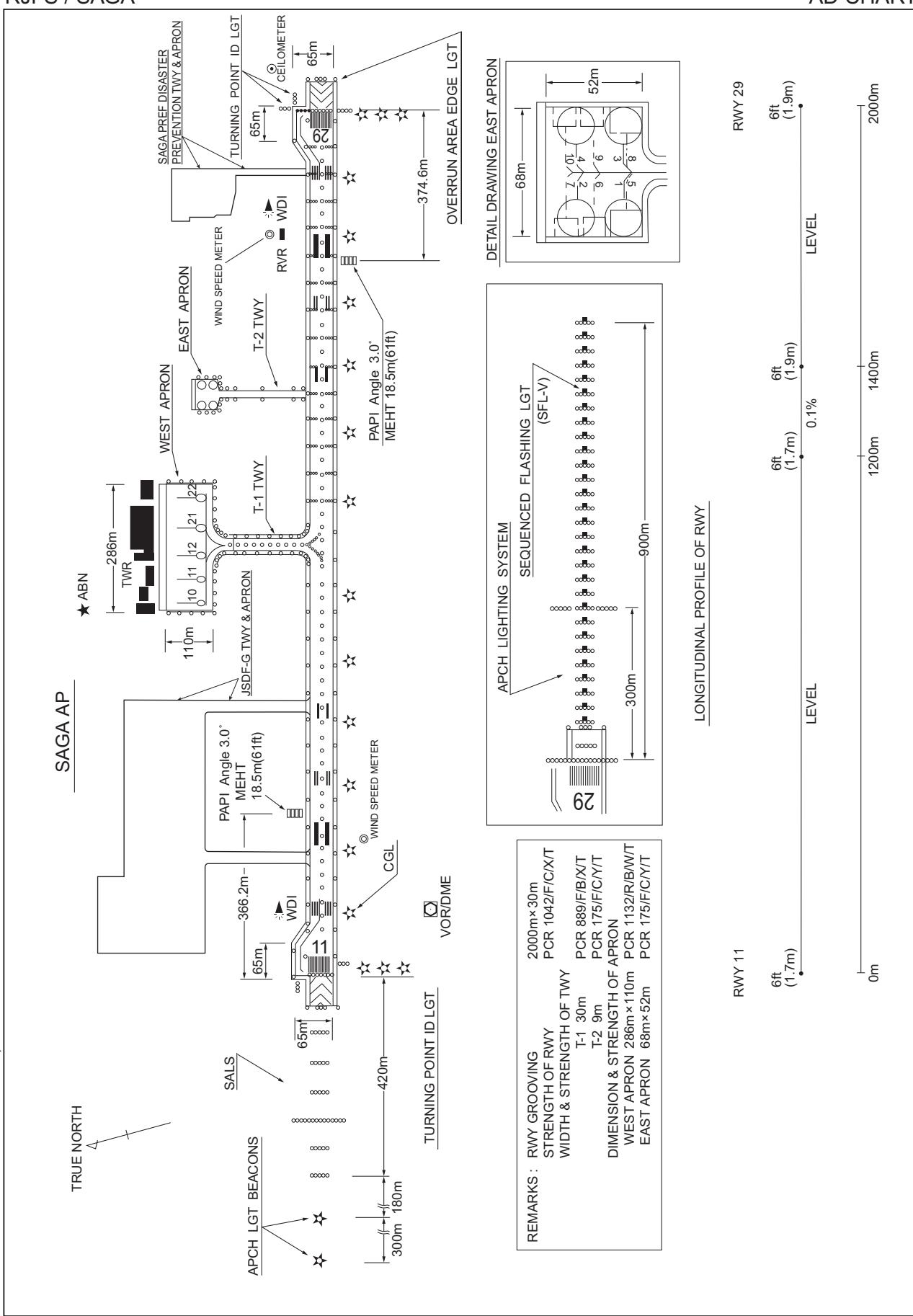


RJFS / SAGA

AD CHART

CHANGE : JSDF-G TWY and APRON, DISASTER PREVENTION TWY and APRON installed.



**INTENTIONALLY LEFT BLANK**

## STANDARD DEPARTURE CHART - INSTRUMENT

RJFS / SAGA

SID

SAGA REVERSAL TWO DEPARTURE

RWY11 : Climb RWY HDG to 500FT, turn right,...

RWY29 : Climb RWY HDG to 500FT, turn left HDG 090° to intercept and proceed...

...via SGE R135 to 9.0DME, turn left, direct to SGE VOR/DME.

Cross SGE VOR/DME at 6000FT.

Note RWY29 : 3.5% climb gradient required up to 500FT.

ARIAKE REVERSAL TWO DEPARTURE

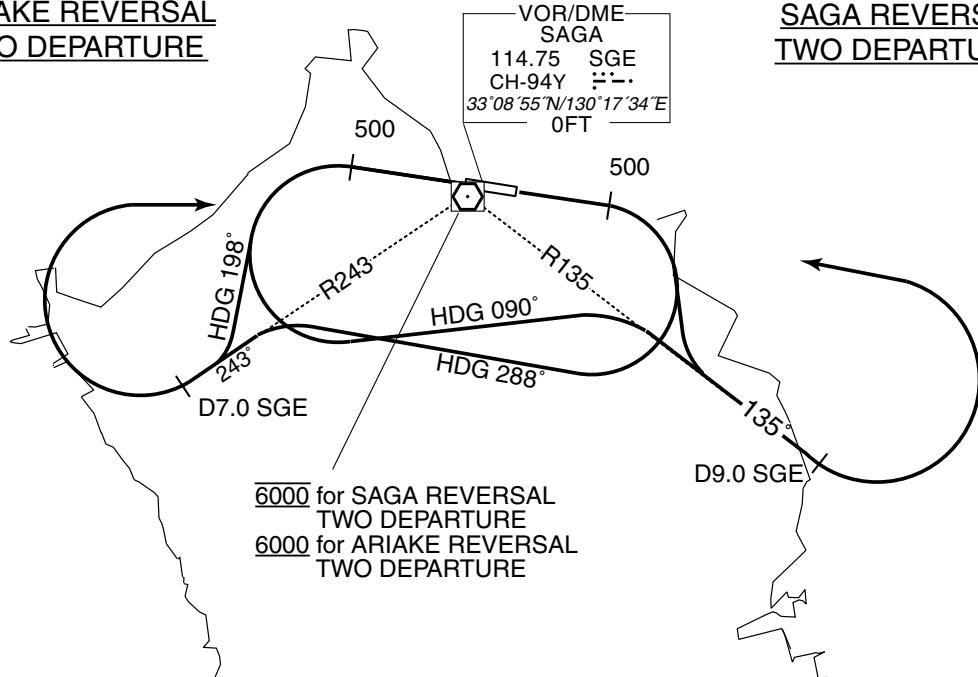
RWY11 : Climb RWY HDG to 500FT, turn right HDG 288° ...

RWY29 : Climb RWY HDG to 500FT, turn left HDG 198° ...

...to intercept and proceed via SGE R243 to 7.0DME, turn right, direct to SGE VOR/DME.

Cross SGE VOR/DME at or above 6000FT.

Note RWY29 : 3.5% climb gradient required up to 500FT.

ARIAKE REVERSAL  
TWO DEPARTURE      SAGA REVERSAL  
TWO DEPARTURE

## STANDARD DEPARTURE CHART - INSTRUMENT

RJFS / SAGA

TRANSITION

KUMAMOTO TRANSITION

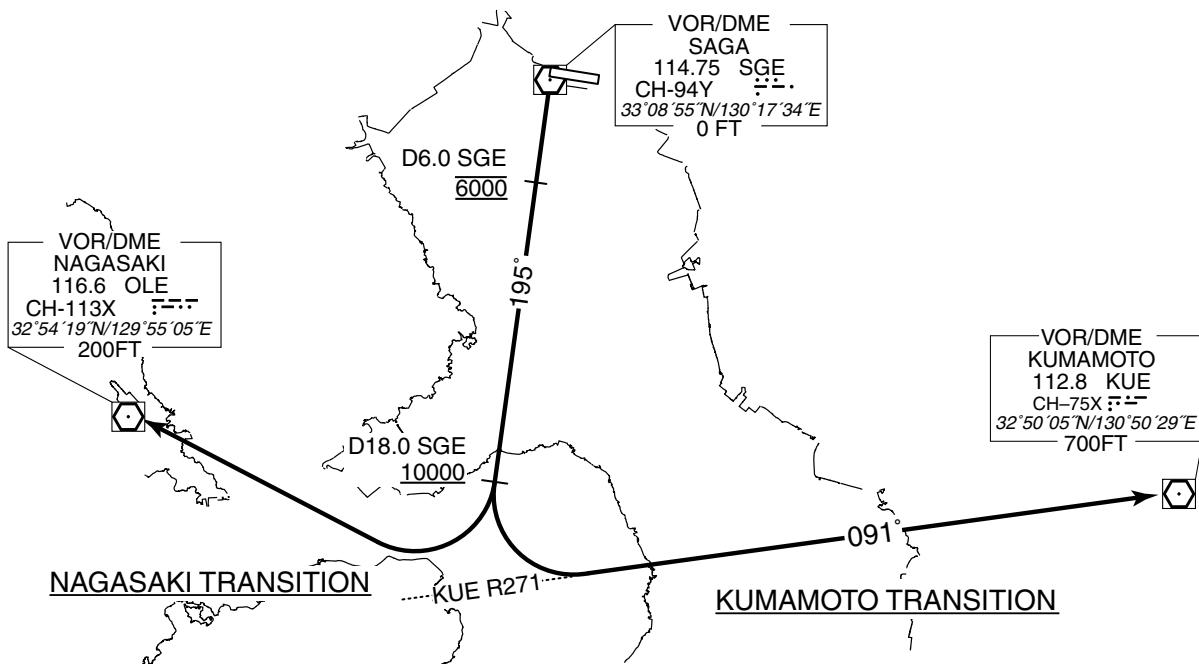
From over SGE VOR/DME, via SGE R195 to 18.0DME, turn left, via KUE R271 to KUE VOR/DME.

Cross SGE R195/6.0DME at 6000FT, cross SGE R195/18.0DME at or above 10000FT.

NAGASAKI TRANSITION

From over SGE VOR/DME, via SGE R195 to 18.0DME, turn right, direct to OLE VOR/DME.

Cross SGE R195/6.0DME at 6000FT, cross SGE R195/18.0DME at or above 10000FT.



STANDARD DEPARTURE CHART - INSTRUMENT

RJFS / SAGA

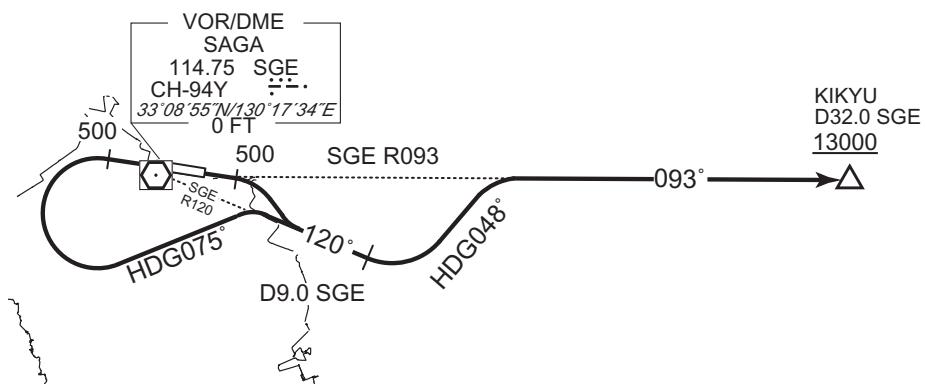
SID

KIKYU FIVE DEPARTURE

RWY11 : Climb RWY HDG to 500FT, turn right,...

RWY29 : Climb RWY HDG to 500FT, turn left HDG075° to intercept and proceed...  
... via SGE R120 to 9.0DME, turn left HDG048° to intercept  
and proceed via SGE R093 to KIKYU.  
Cross KIKYU at or above 13000FT.

Note RWY29 : 3.5% climb gradient required up to 500FT.



CHANGE : Description of PROC name.

## STANDARD DEPARTURE CHART - INSTRUMENT

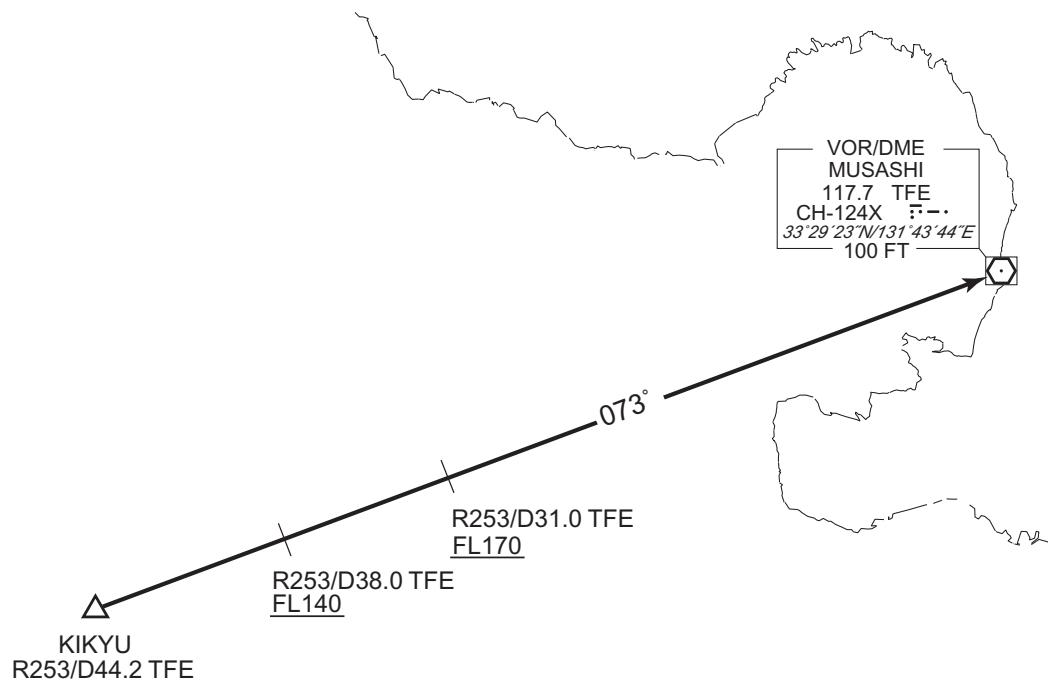
RJFS / SAGA

TRANSITION

MUSASHI TRANSITION

From over KIKYU, via TFE R253 to TFE VOR/DME.

Cross TFE R253/38.0DME at or above FL140, cross TFE R253/31.0DME at or above FL170.



CHANGE : Description of PROC name.

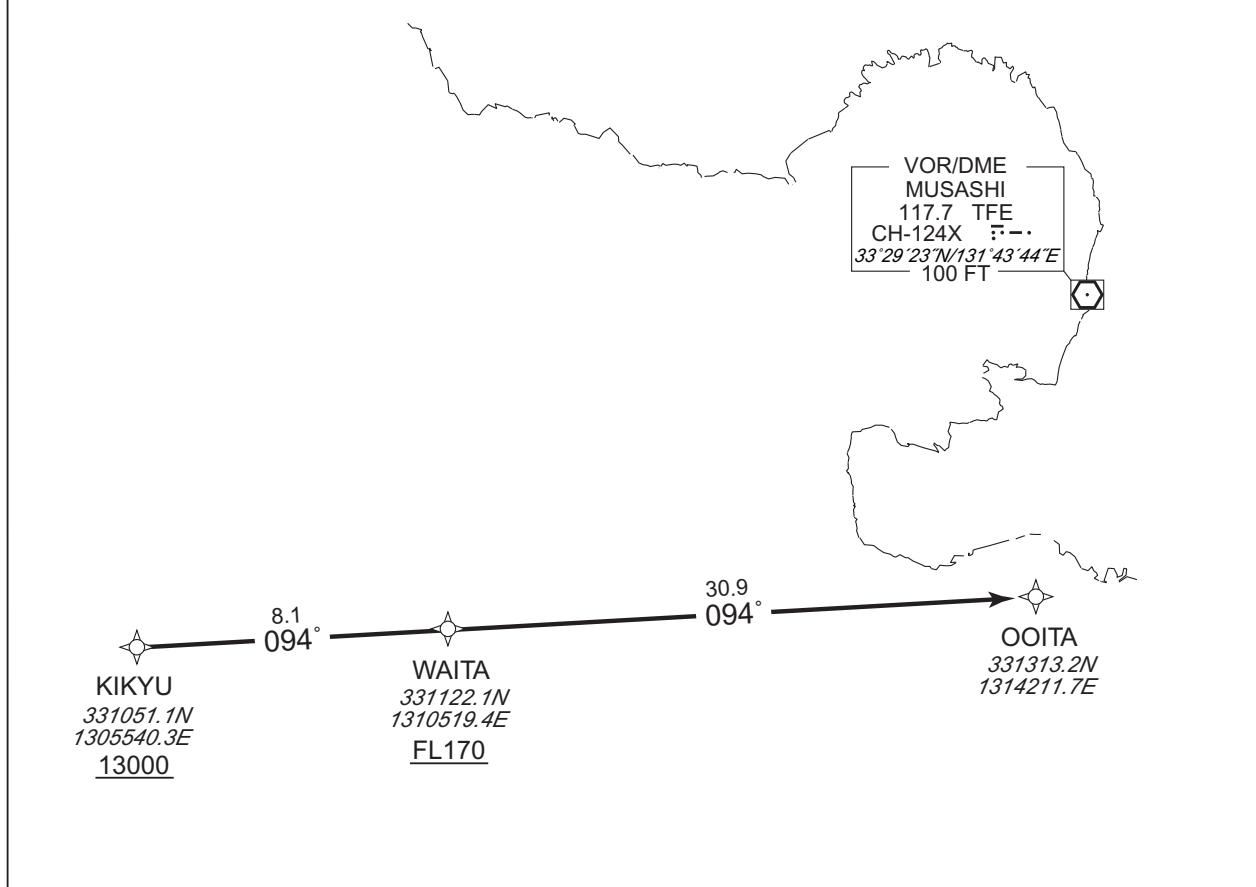
## STANDARD DEPARTURE CHART - INSTRUMENT

RJFS / SAGA

RNAV TRANSITION

OOITA TRANSITION		RNAV1
NOTE 1) DME/DME/IRU or GNSS required. 2) RADAR service required.	Critical DME	—
	DME GAP	—
	Inappropriate Navaids	See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1

VAR 8° W



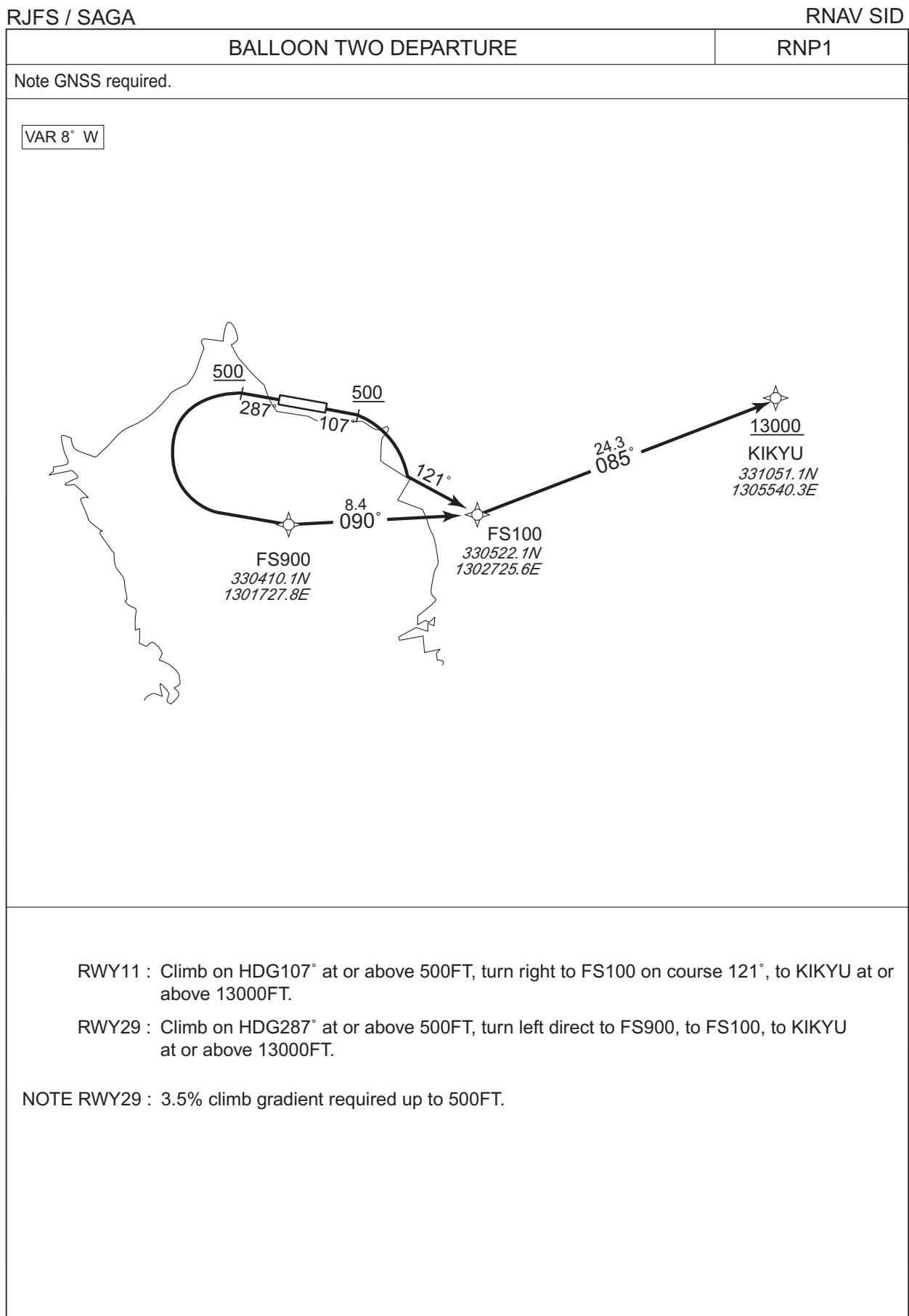
From KIKYU at or above 13000FT, to WAITA at or above FL170, to OOITA.

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	KIKYU	—	—	-7.9	—	—	+13000	—	—	RNAV1
002	TF	WAITA	—	094 (086.3)	-7.9	8.1	—	+FL170	—	—	RNAV1
003	TF	OOITA	—	094 (086.4)	-7.9	30.9	—	—	—	—	RNAV1

CHANGE : VAR.

**INTENTIONALLY LEFT BLANK**

STANDARD DEPARTURE CHART - INSTRUMENT



## STANDARD DEPARTURE CHART - INSTRUMENT

RJFS / SAGA

RNAV SID

BALLOON TWO DEPARTURE

## RWY11

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	-	-	107 (099.3)	-7.9	-	-	+500	-	-	RNP1
002	CF	FS100	-	121 (113.2)	-7.9	-	-	-	-	-	RNP1
003	TF	KIKYU	-	085 (076.8)	-7.9	24.3	-	+13000	-	-	RNP1

## RWY29

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	-	-	287 (279.3)	-7.9	-	-	+500	-	-	RNP1
002	DF	FS900	-	-	-7.9	-	L	-	-	-	RNP1
003	TF	FS100	-	090 (081.8)	-7.9	8.4	-	-	-	-	RNP1
004	TF	KIKYU	-	085 (076.8)	-7.9	24.3	-	+13000	-	-	RNP1

CHANGE : PROC course. PROC renamed. VAR.

## STANDARD DEPARTURE CHART - INSTRUMENT

RJFS / SAGA

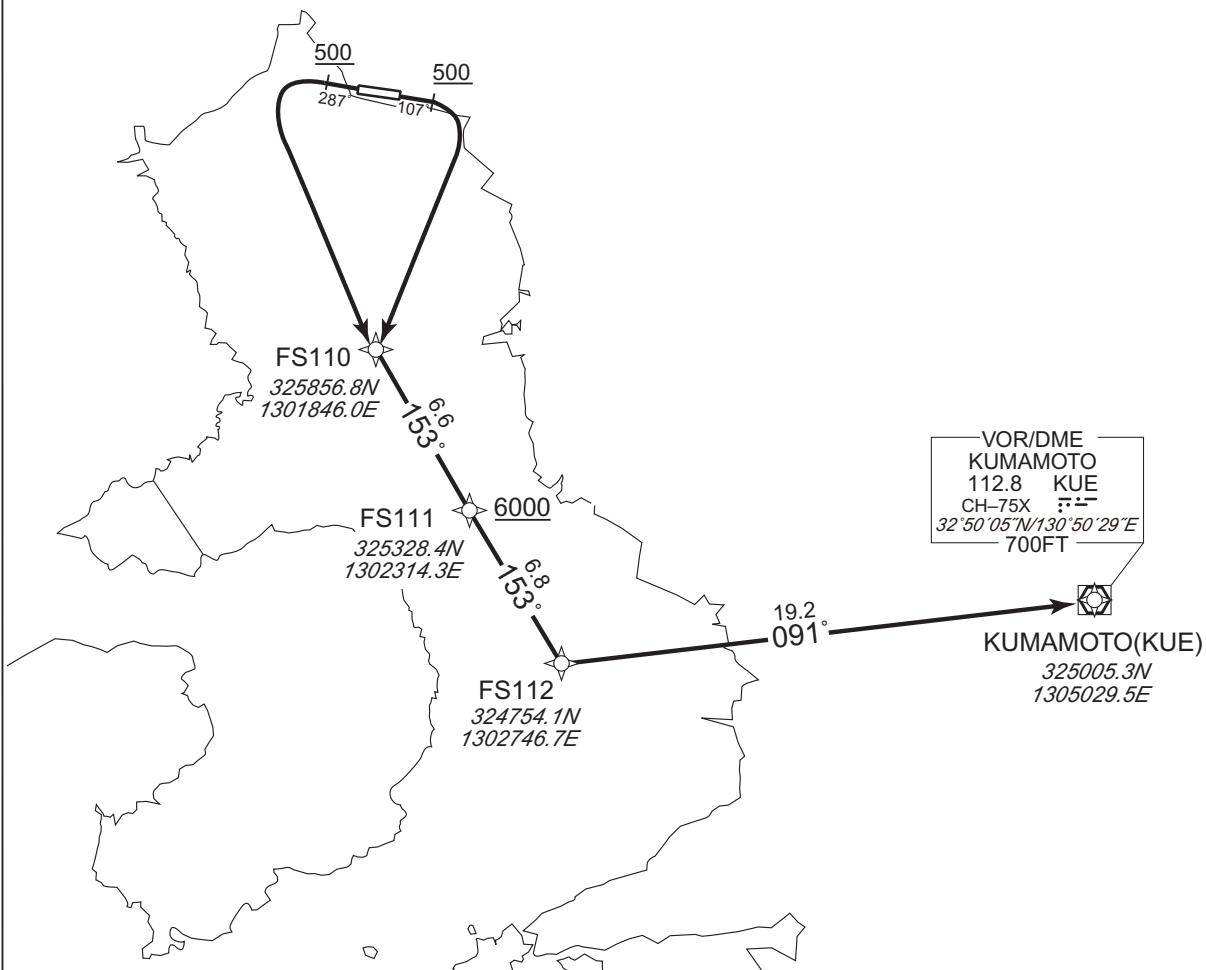
RNAV SID

SOIGI TWO DEPARTURE

RNP1

Note GNSS required.

VAR 8° W



RWY11 : Climb on HDG107° at or above 500FT, turn right direct to FS110, to FS111 at or above 6000FT, to FS112, to KUE.

RWY29 : Climb on HDG287° at or above 500FT, turn left direct to FS110, to FS111 at or above 6000FT, to FS112, to KUE.

NOTE RWY29 : 3.5% climb gradient required up to 500FT.

## STANDARD DEPARTURE CHART - INSTRUMENT

RJFS / SAGA

RNAV SID

## SOIGI TWO DEPARTURE

## RWY11

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	-	-	107 (099.3)	-7.9	-	-	+500	-	-	RNP1
002	DF	FS110	-	-	-7.9	-	R	-	-	-	RNP1
003	TF	FS111	-	153 (145.5)	-7.9	6.6	-	+6000	-	-	RNP1
004	TF	FS112	-	153 (145.6)	-7.9	6.8	-	-	-	-	RNP1
005	TF	KUE	-	091 (083.4)	-7.9	19.2	-	-	-	-	RNP1

## RWY29

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	-	-	287 (279.3)	-7.9	-	-	+500	-	-	RNP1
002	DF	FS110	-	-	-7.9	-	L	-	-	-	RNP1
003	TF	FS111	-	153 (145.5)	-7.9	6.6	-	+6000	-	-	RNP1
004	TF	FS112	-	153 (145.6)	-7.9	6.8	-	-	-	-	RNP1
005	TF	KUE	-	091 (083.4)	-7.9	19.2	-	-	-	-	RNP1

CHANGE : PROC course. PROC renamed. VAR.

STANDARD ARRIVAL CHART-INSTRUMENT

RJFS / SAGA

STAR

IRPIN NORTH ARRIVAL

From over IRPIN, via OLE R102 to MILEP, via SGE R194 to SGE VOR/DME via UGAMU.

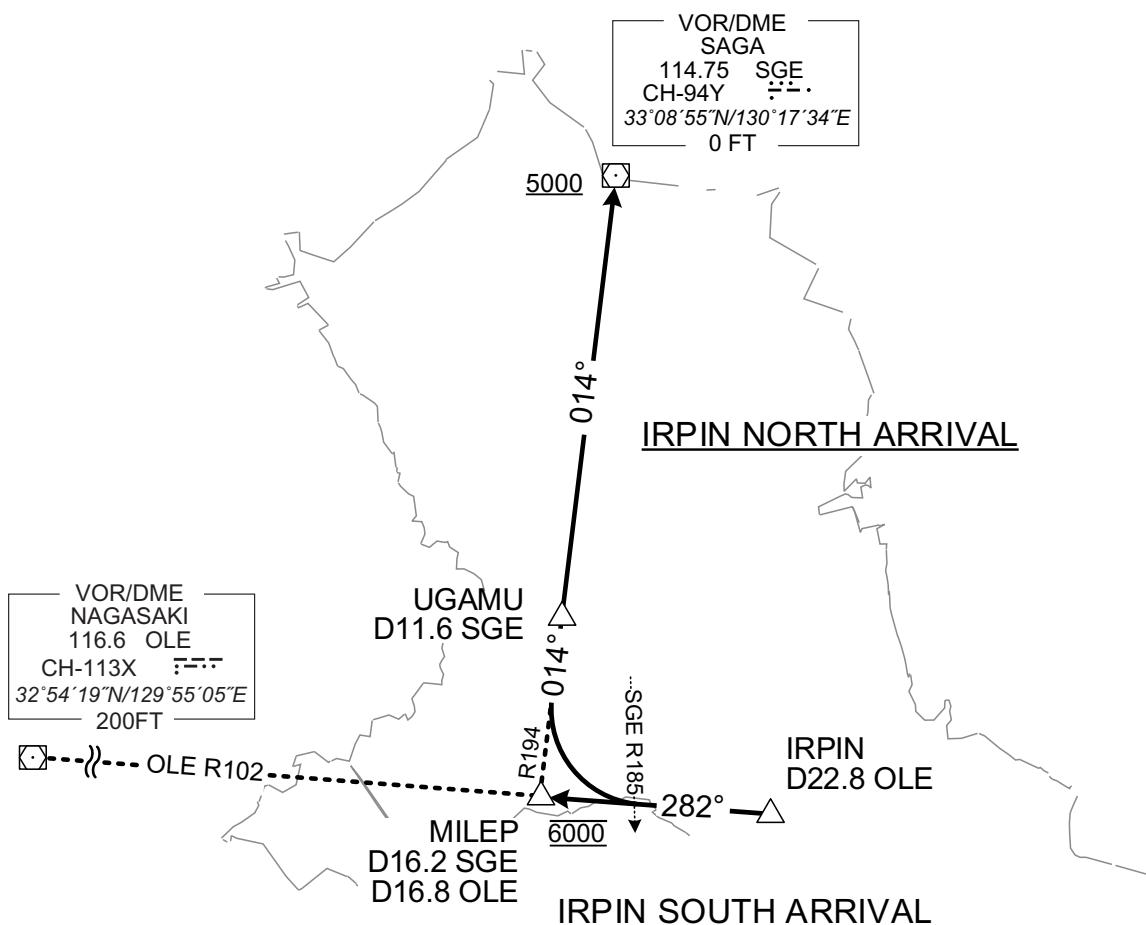
Cross MILEP at 6000FT, cross SGE VOR/DME at or above 5000FT.

IRPIN SOUTH ARRIVAL

From over IRPIN, via OLE R102 to MILEP.

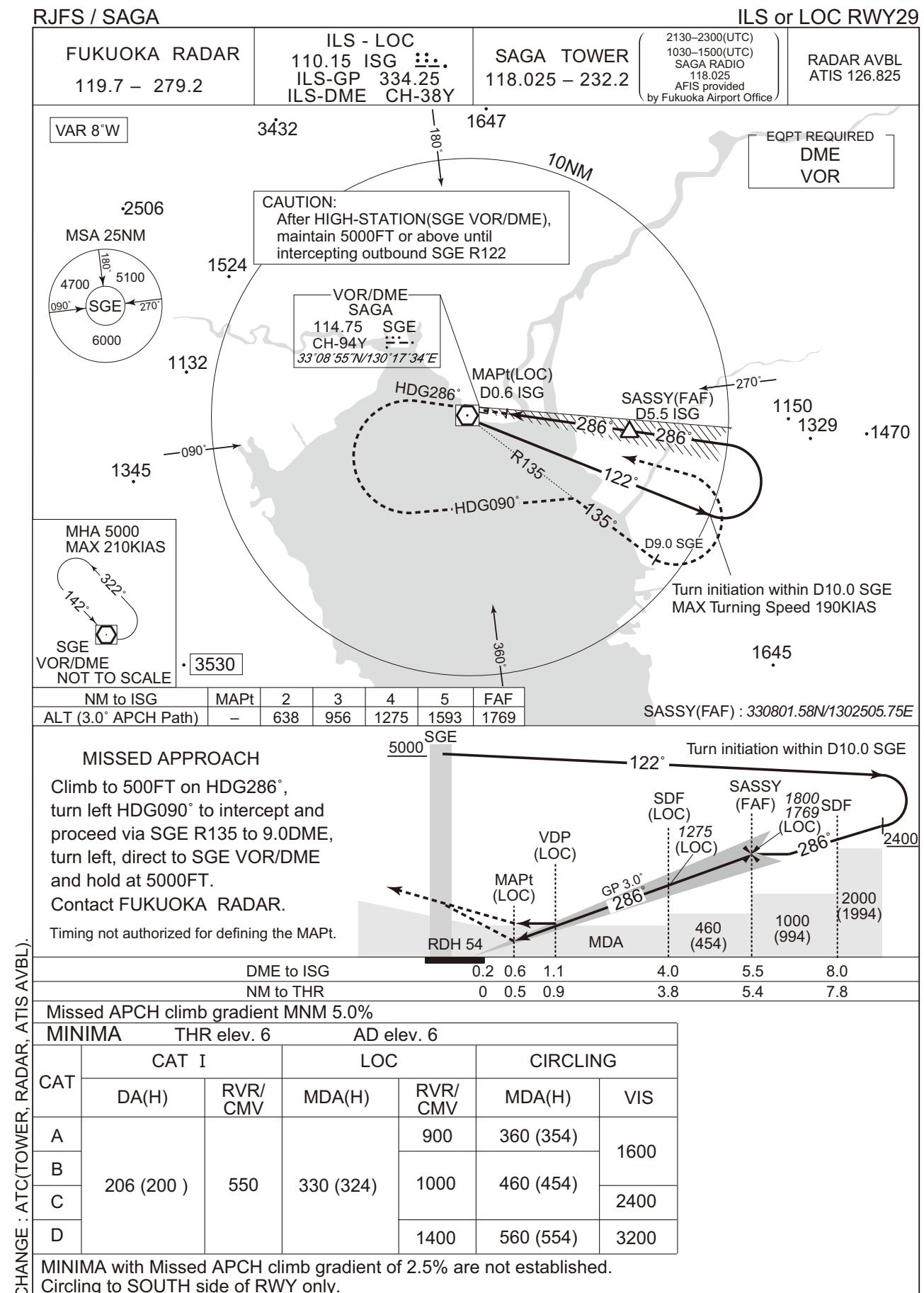
Cross MILEP at 6000FT.

CHANGE: New PROC



**INTENTIONALLY LEFT BLANK**

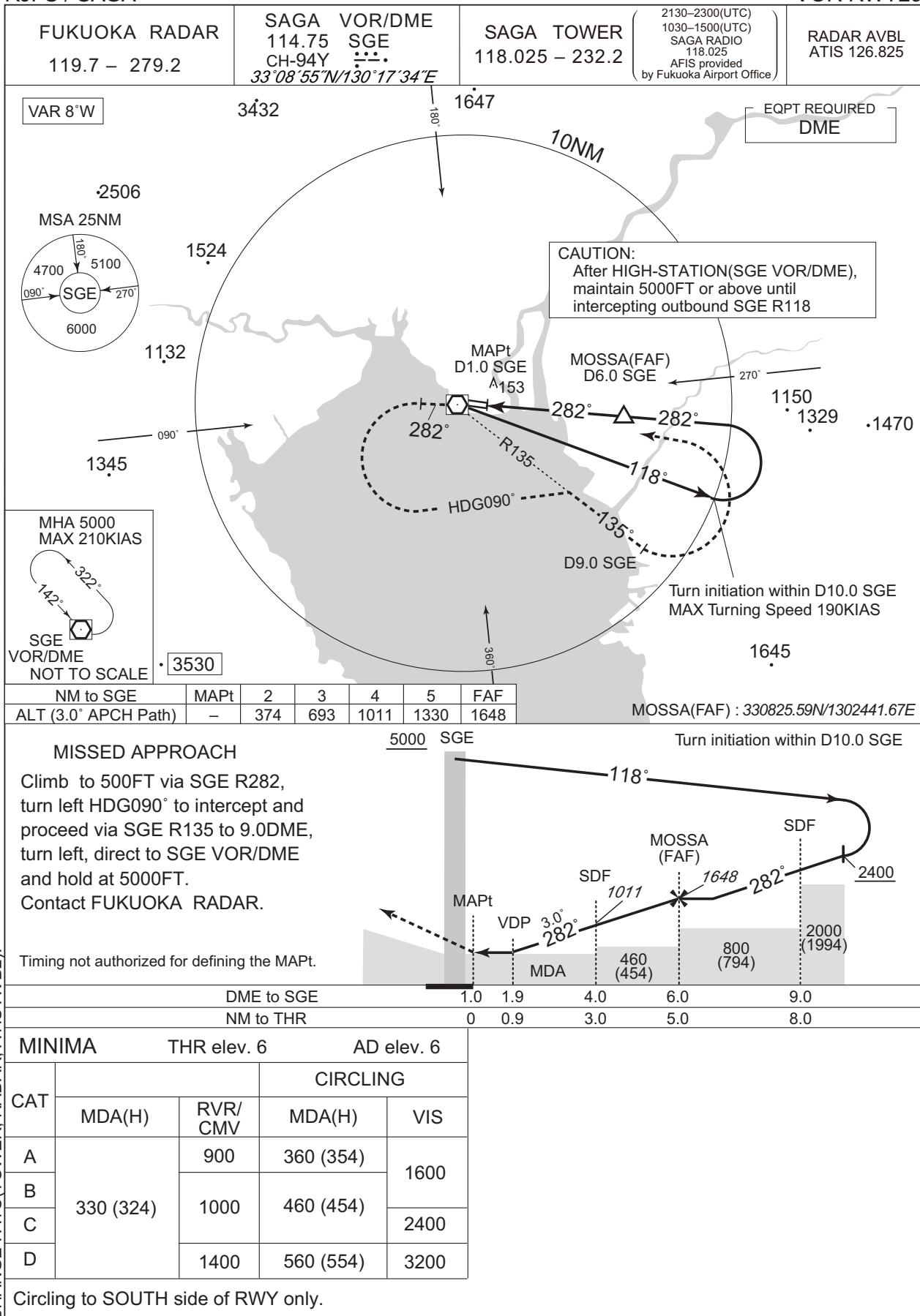
## INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART

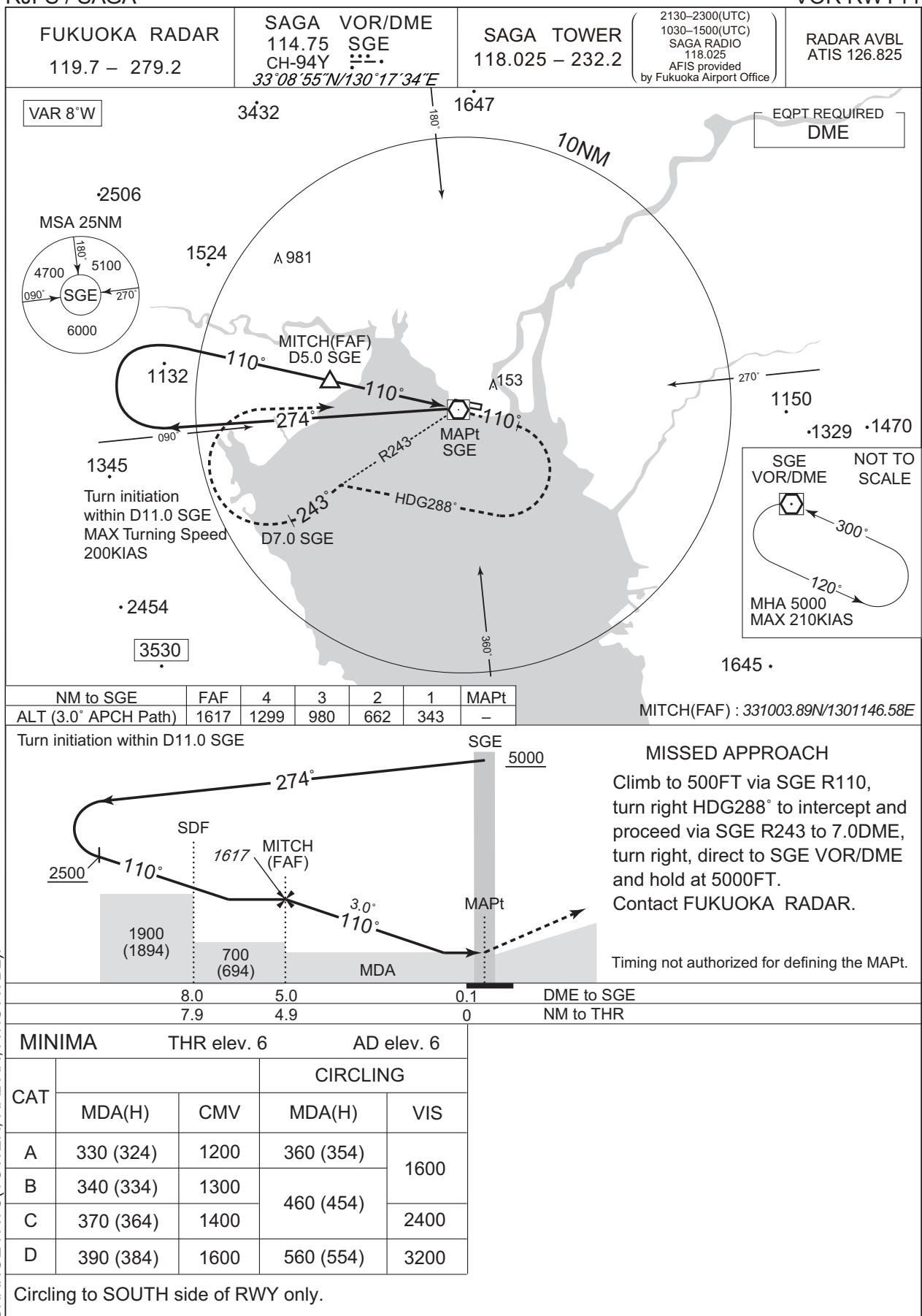
RJFS / SAGA

VOR RWY29



## INSTRUMENT APPROACH CHART

RJFS / SAGA



## INSTRUMENT APPROACH CHART

RJFS / SAGA

# FUKUOKA RADAR

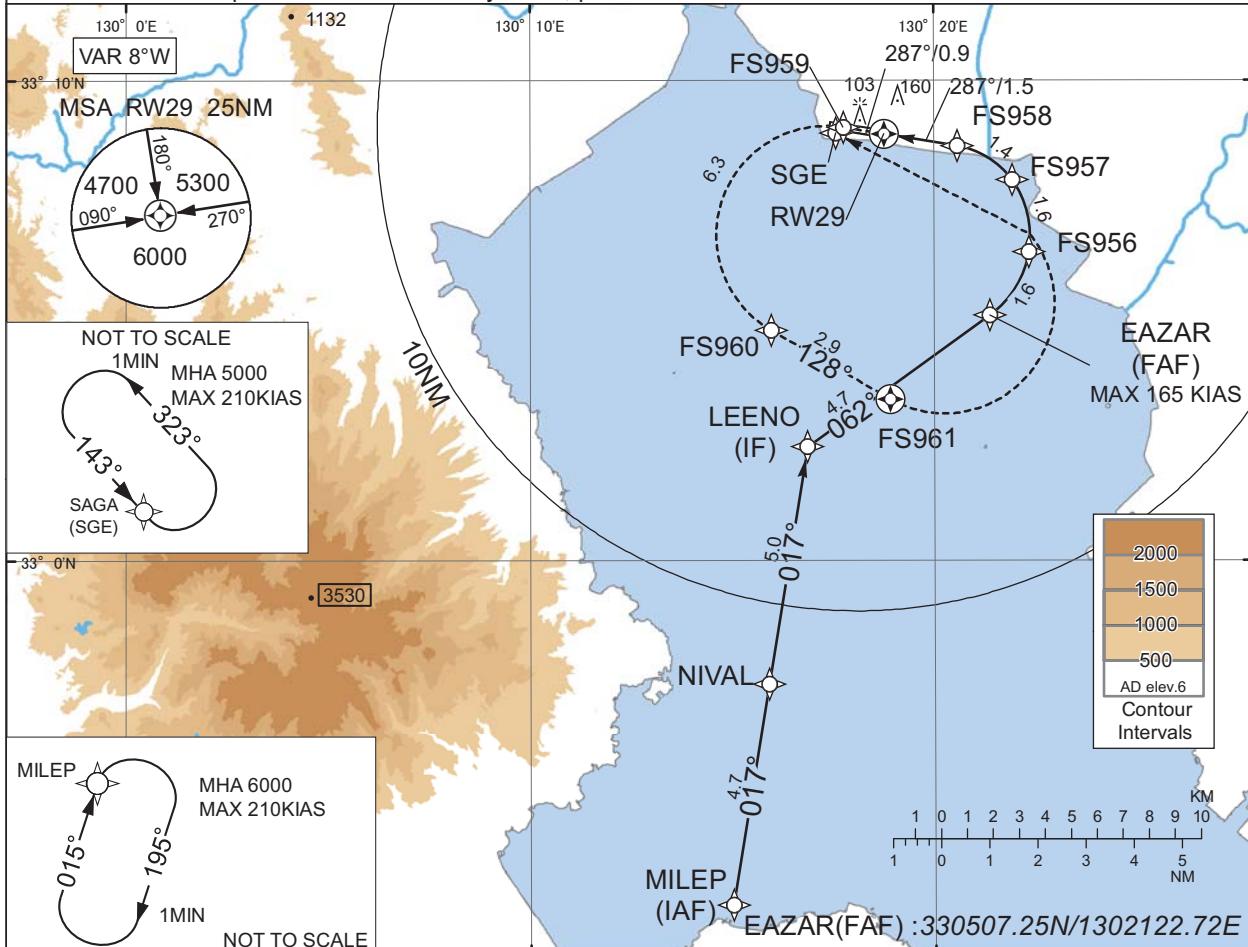
RNP AR  
RF required.

SAGA TOWER  
118.025 - 232.2

2130 - 2300(UTC)  
1030 - 1500(UTC)  
SAGA RADIO  
118.025  
AFIS provided  
Fukuoka Airport Office

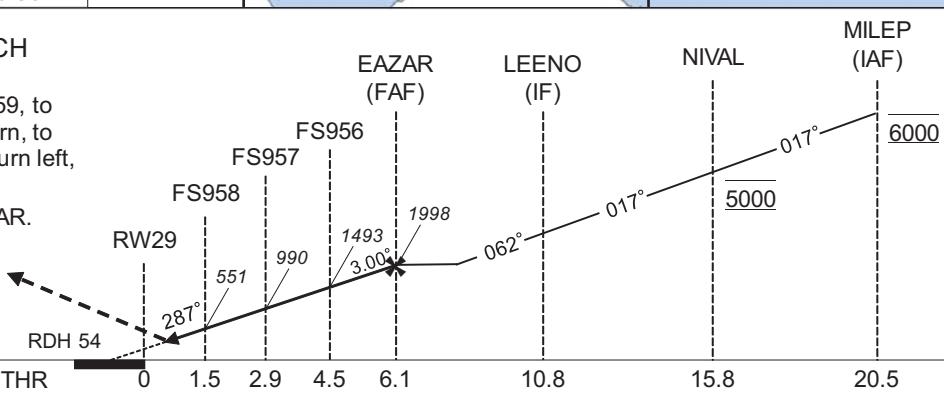
P RWY29(AR)

For uncompensated Baro-VNAV systems, procedure not authorized below -10°C / above 45°C



## MISSED APPROACH

Climb to 5000FT, to FS959, to FS960 via fixed radius turn, to FS961 on course 128°, turn left, direct to SGE and hold.  
Contact FUKUOKA RADAR



Missed APCH climb gradient MNM 5.0%

MINIMA		THR elev. 6	AD elev. 6	
CAT	RNP 0.10		RNP 0.30	
	DA(H)	RVR/CMV	DA(H)	RVR/CMV
A	-	-	-	-
B				
C	256(250)	800	306(300)	1000
D		1200		1400

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

# Authorization Required

## INSTRUMENT APPROACH CHART

RJFS / SAGA

RNP RWY29(AR)

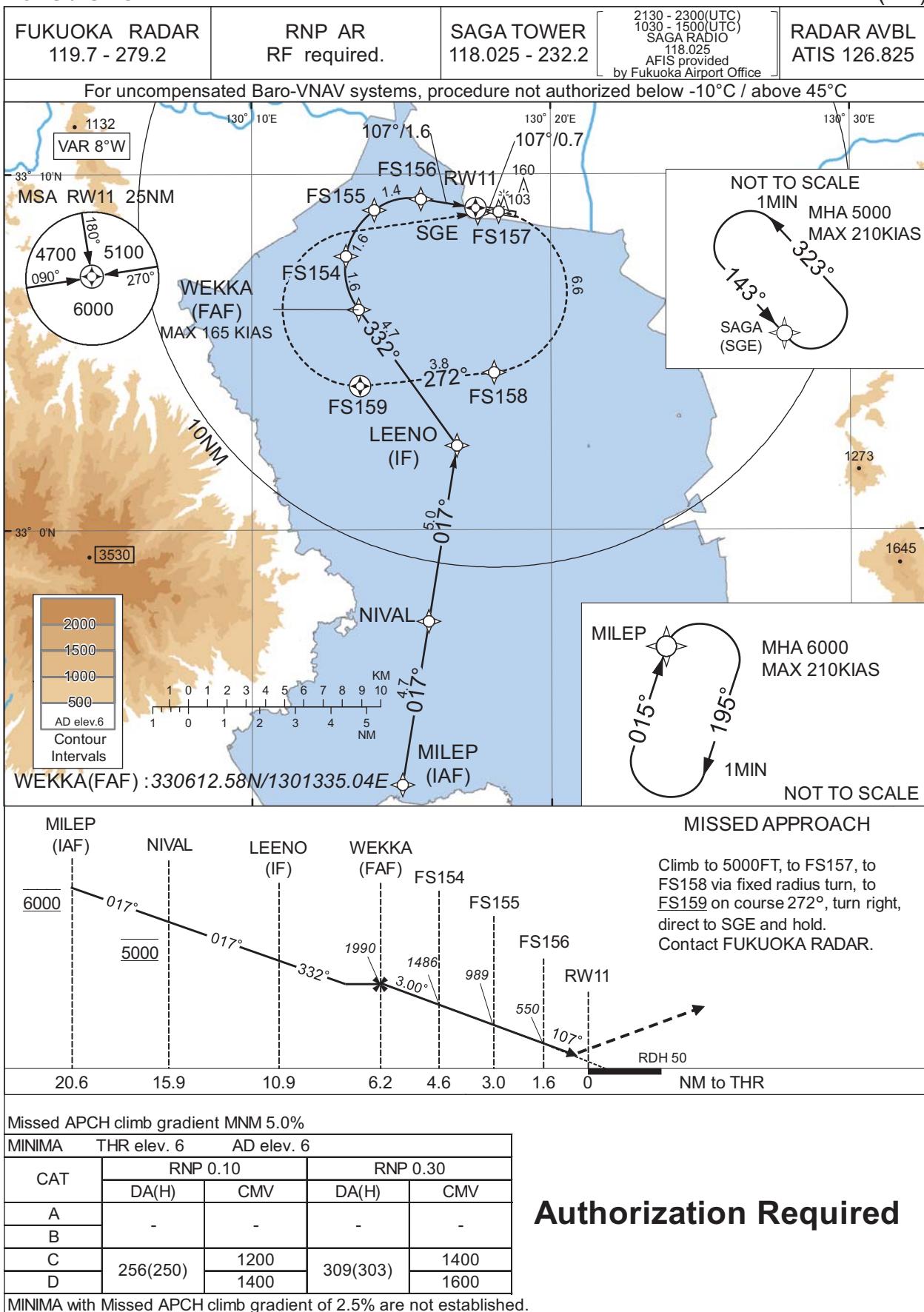
Coding Table																	
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	VPA/ RDH (°/FT)	RNP Value						
001	IF	MILEP	-	-	-7.9	-	-	6000	-	-	-						
002	TF	NIVAL	-	017 (009.2)	-7.9	4.7	-	5000	-	-	0.3						
003	TF	LEENO	-	017 (009.2)	-7.9	5.0	-	-	-	-	0.3						
004	TF	EAZAR	-	062 (054.2)	-7.9	4.7	-	1998	-165	-	0.3						
005	RF Center: FSRF8 r=2.02NM	FS956	-	-	-7.9	1.6	L	1493	-	-3.00	0.10 0.30						
006	RF Center: FSRF9 r=1.98NM	FS957	-	-	-7.9	1.6	L	990	-	-3.00	0.10 0.30						
007	RF Center: FSRF0 r=1.75NM	FS958	-	-	-7.9	1.4	L	551	-	-3.00	0.10 0.30						
008	TF	RW29	Y	287 (279.3)	-7.9	1.5	-	60	-	-3.00/54	0.10 0.30						
009	TF	FS959	-	287 (279.3)	-7.9	0.9	-	-	-	-	0.10 0.30						
010	RF Center: FSRF2 r=2.28NM	FS960	-	-	-7.9	6.3	L	-	-	-	1.0						
011	CF	FS961	Y	128 (120.3)	-7.9	2.9	-	-	-	-	1.0						
012	DF	SGE	-	-	-7.9	-	L	5000	-	-	1.0						
Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	RNP Value								
Hold	MILEP	015 (007.6)	-7.9	1.0(-14000)	R	6000	FL140	-210 (-14000)	1.0								
Hold	SGE	143 (134.8)	-7.9	1.0(-14000)	L	5000	FL140	-210 (-14000)	1.0								
Waypoint Coordinates																	
Waypoint Identifier		Coordinates			RF Arc Center Identifier		Coordinates										
MILEP		325250.49N / 1301501.22E			FSRF8		330645.72N / 1301958.78E										
NIVAL		325726.55N / 1301554.33E			FSRF9		330646.63N / 1302001.15E										
LEENO		330223.31N / 1301651.53E			FSRF0		330654.73N / 1302014.52E										
EAZAR		330507.25N / 1302122.72E			FSRF2		330647.02N / 1301719.68E										
FS956		330626.19N / 1302220.91E															
FS957		330756.35N / 1302156.32E															
FS958		330838.87N / 1302034.72E															
RW29		330853.77N / 1301846.08E															
FS959		330902.03N / 1301745.78E															
FS960		330448.74N / 1301558.06E															
FS961		330322.31N / 1301854.74E															
SGE		330855.03N / 1301734.43E															

CHANGE : Waypoint (FS959, FS960, FS961) established. RF Arc Center (FSRF2) established. RNP Value. HLDG pattern added. Waypoint (FS955) abolished. VAR.

## INSTRUMENT APPROACH CHART

## RJFS / SAGA

## RNP RWY11(AR)



## INSTRUMENT APPROACH CHART

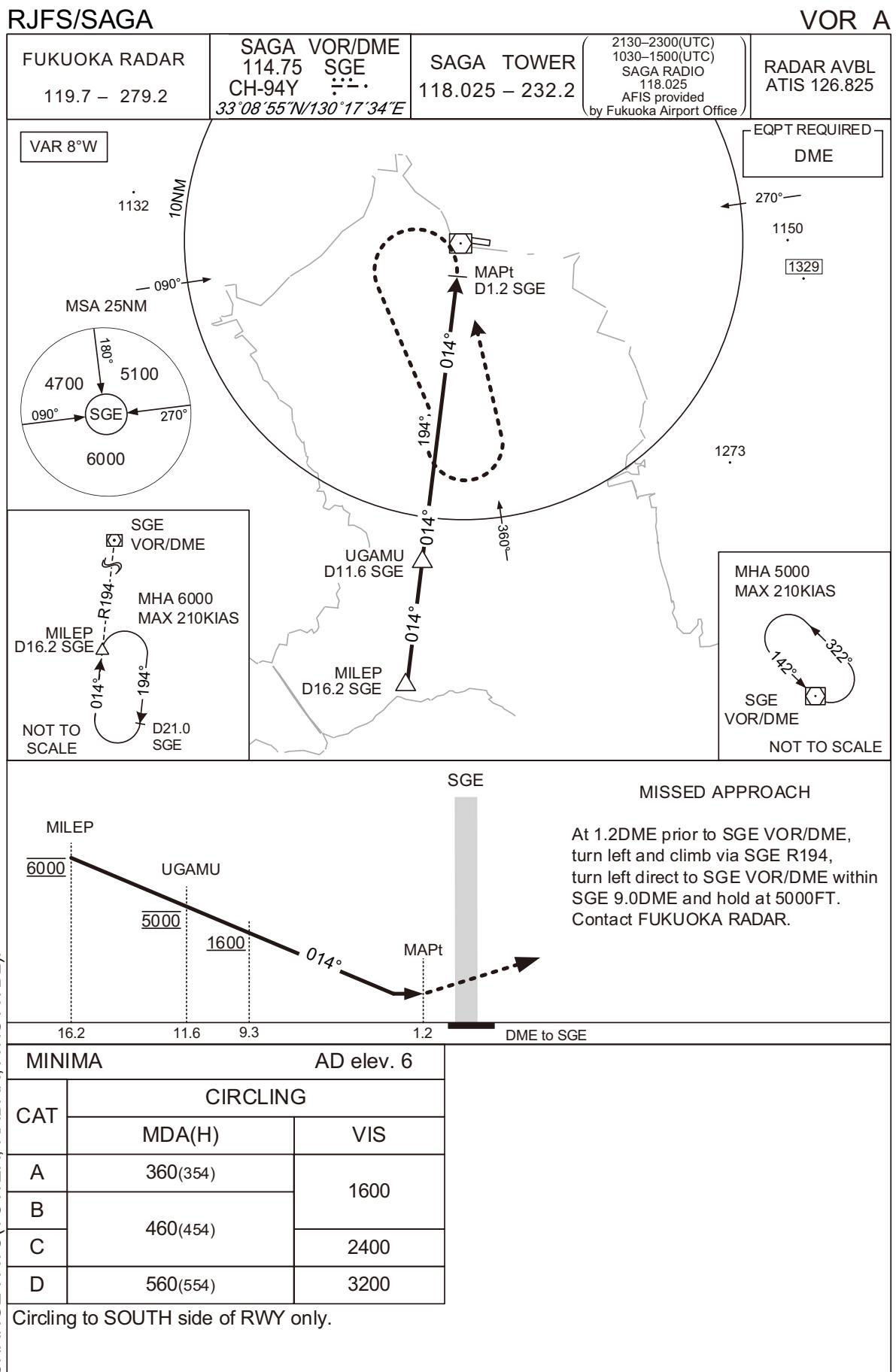
RJFS / SAGA

RNP RWY11(AR)

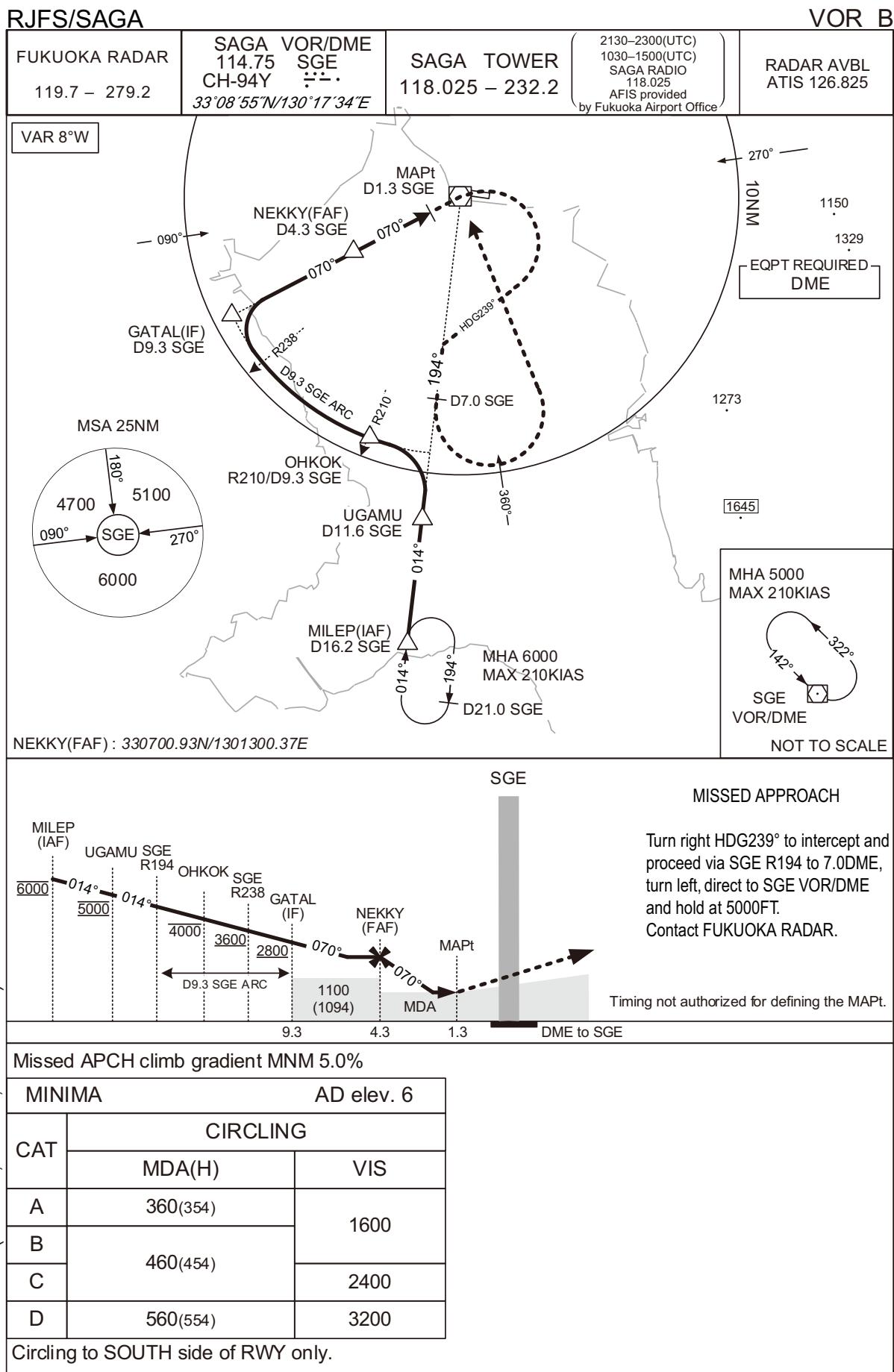
Coding Table											
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	VPA/ RDH (°/FT)	RNP Value
001	IF	MILEP	-	-	-7.9	-	-	6000	-	-	-
002	TF	NIVAL	-	017 (009.2)	-7.9	4.7	-	5000	-	-	0.3
003	TF	LEENO	-	017 (009.2)	-7.9	5.0	-	-	-	-	0.3
004	TF	WEKKA	-	332 (324.3)	-7.9	4.7	-	1990	-165	-	0.3
005	RF Center: FSRF5 r=2.02NM	FS154	-	-	-7.9	1.6	R	1486	-	-3.00	0.10 0.30
006	RF Center: FSRF6 r=1.98NM	FS155	-	-	-7.9	1.6	R	989	-	-3.00	0.10 0.30
007	RF Center: FSRF7 r=1.77NM	FS156	-	-	-7.9	1.4	R	550	-	-3.00	0.10 0.30
008	TF	RW11	Y	107 (099.3)	-7.9	1.6	-	56	-	-3.00/50	0.10 0.30
009	TF	FS157	-	107 (099.3)	-7.9	0.7	-	-	-	-	0.10 0.30
010	RF Center: FSRF1 r=2.28NM	FS158	-	-	-7.9	6.6	R	-	-	-	1.0
011	CF	FS159	Y	272 (264.2)	-7.9	3.8	-	-	-	-	1.0
012	DF	SGE	-	-	-7.9	-	R	5000	-	-	1.0
Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	RNP Value		
Hold	MILEP	015 (007.6)	-7.9	1.0(-14000)	R	6000	FL140	-210 (-14000)	1.0		
Hold	SGE	143 (134.8)	-7.9	1.0(-14000)	L	5000	FL140	-210 (-14000)	1.0		
Waypoint Coordinates											
Waypoint Identifier		Coordinates			RF Arc Center Identifier		Coordinates				
MILEP		325250.49N / 1301501.22E			FSRF5		330723.51N / 1301531.82E				
NIVAL		325726.55N / 1301554.33E			FSRF6		330723.80N / 1301529.68E				
LEENO		330223.31N / 1301651.53E			FSRF7		330735.05N / 1301520.05E				
WEKKA		330612.58N / 1301335.04E			FSRF1		330642.73N / 1301750.06E				
FS154		330742.91N / 1301309.63E									
FS155		330900.65N / 1301406.71E									
FS156		330919.21N / 1301540.15E									
RW11		330904.20N / 1301729.91E									
FS157		330857.86N / 1301816.20E									
FS158		330426.51N / 1301806.37E									
FS159		330403.61N / 1301337.58E									
SGE		330855.03N / 1301734.43E									

CHANGE : Waypoint (FS157, FS158, FS159) established. RF Arc Center (FSRF1) established. RLDG pattern added. Waypoint (FS153) abolished. VAR.

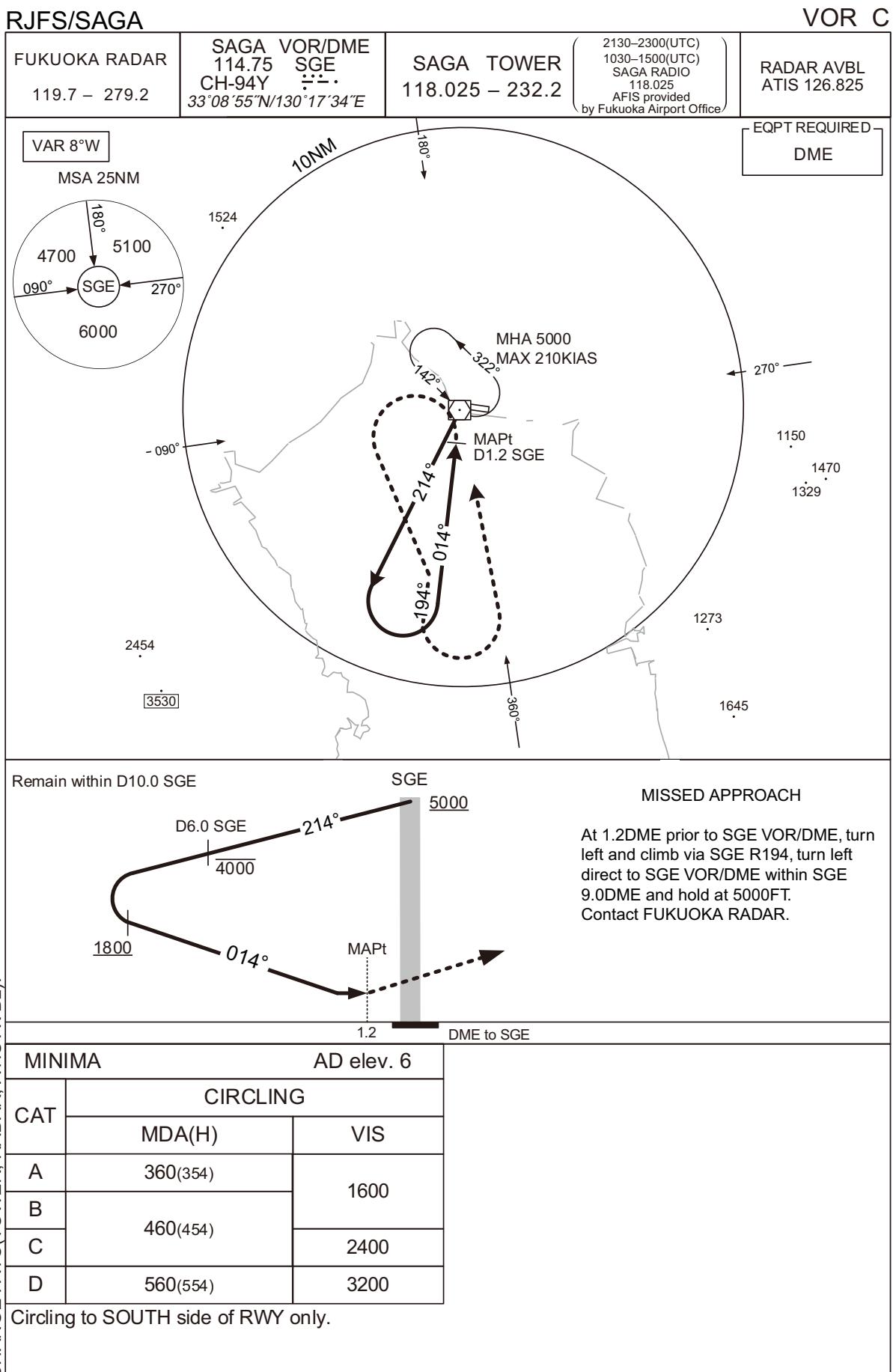
## INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

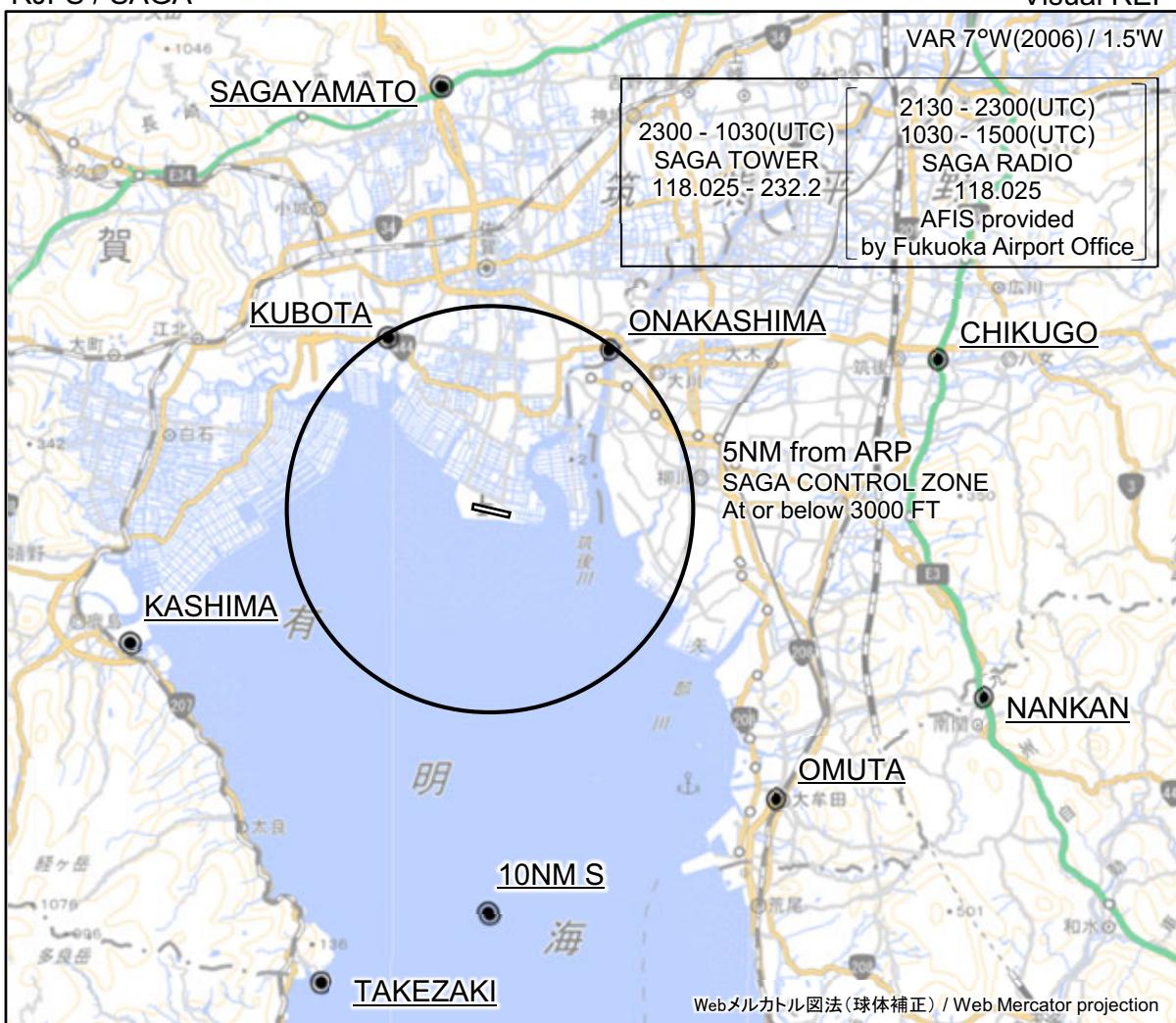


## INSTRUMENT APPROACH CHART



RJFS / SAGA

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 : ATC(TOWER, RADAR, ATIS AVBL), CONTROL ZONE established. INFORMATION ZONE abolished.

Call sign	BRG / DIST from ARP	Remarks
佐賀大和 Sagayamato	353°T / 10.4NM	佐賀大和インターチェンジ Interchange
久保田 Kubota	329°T / 4.9NM	久保田橋 Bridge
大中島 Onakashima	037°T / 4.9NM	筑後川昇開橋 Bridge
筑後 Chikugo	072°T / 11.7NM	八女インターチェンジ Interchange
鹿島 Kashima	249°T / 9.5NM	新浜大橋 Bridge
南関 Nankan	111°T / 13.1NM	南関インターチェンジ Interchange
大牟田 Omuta	135°T / 10.1NM	JR大牟田駅 Station
10NM S	180°T / 10.0NM	海上 Over the sea
竹崎 Takezaki	200°T / 12.4NM	竹崎港 Harbor

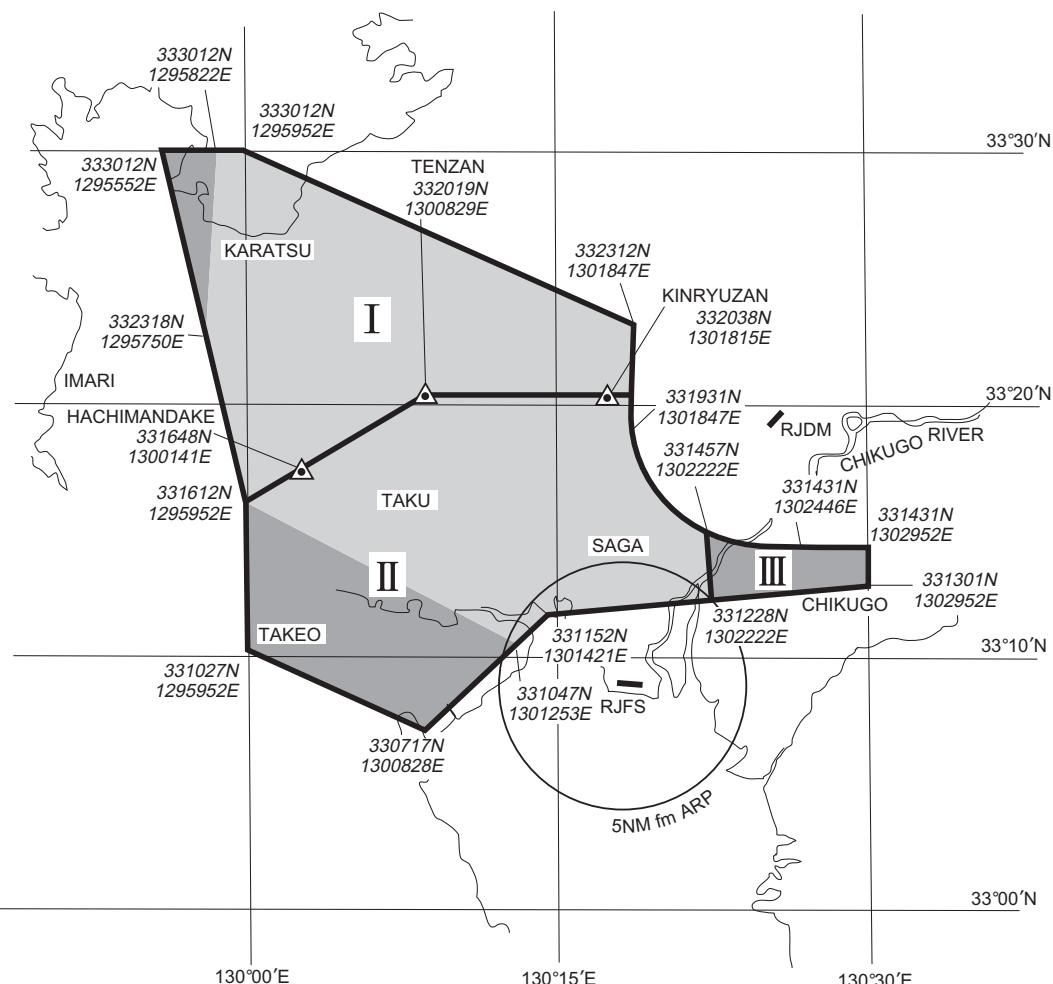
RJFS / SAGA

BALLOON

熱気球の飛行が下図区域内で行われる。(期間: 5月中旬から6月中旬まで及び10月中旬から2月下旬まで: RJFSノータム参照)

Hot air balloon flight will be conducted within below area.

(Period: from mid MAY to mid JUN and from mid OCT to late FEB: see NOTAM RJFS)



飛行高度  
FLT ALT 3000ft 以下  
At or below 3000ft

飛行高度  
FLT ALT 4000ft 以下  
At or below 4000ft

I Balloon FLT area Nr1

II Balloon FLT area Nr2\*

III Balloon FLT area Nr3\*

\* 佐賀空港を発着する航空機に対し、熱気球に係る情報(飛行空域2及び3内で飛行する気球の概数等)の提供が佐賀タワー又は佐賀レディオにより行われる。

\* The information of hot air balloon(aprx number of balloon etc.in flight area number 2 and 3) will be provided for departing/arriving acft from/to SAGA airport by SAGA TOWER / SAGA RADIO.

Example of phraseology: "Two flying balloons reported in balloon flight area number two."

CHANGE : ATC(SAGA TOWER established).

RJFS / SAGA

Minimum Vectoring Altitude CHART

