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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.

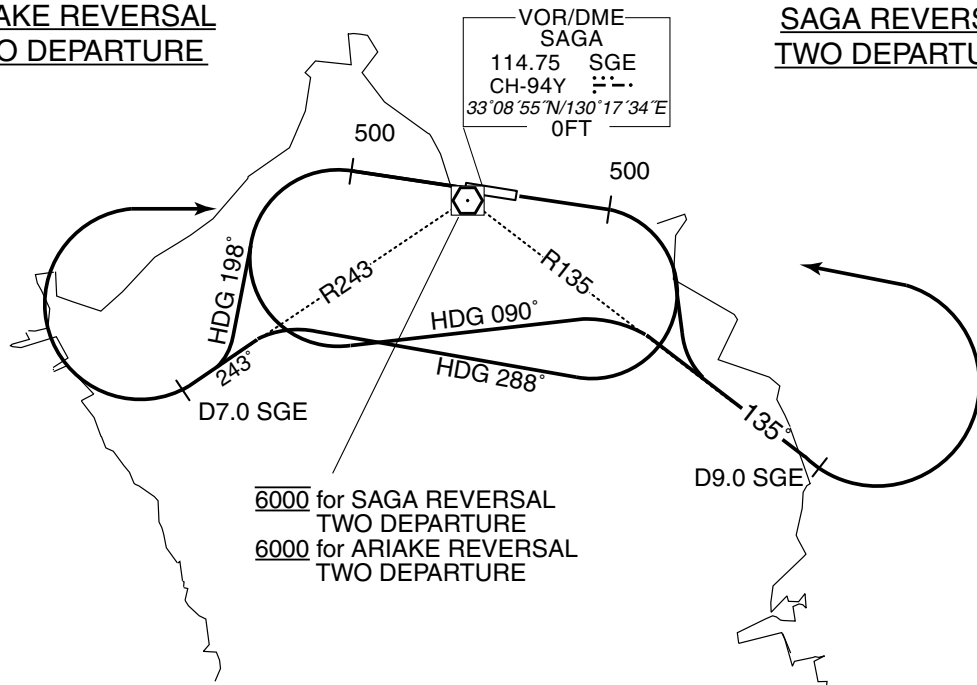
ARIAKE REVERSAL TWO DEPARTURE

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

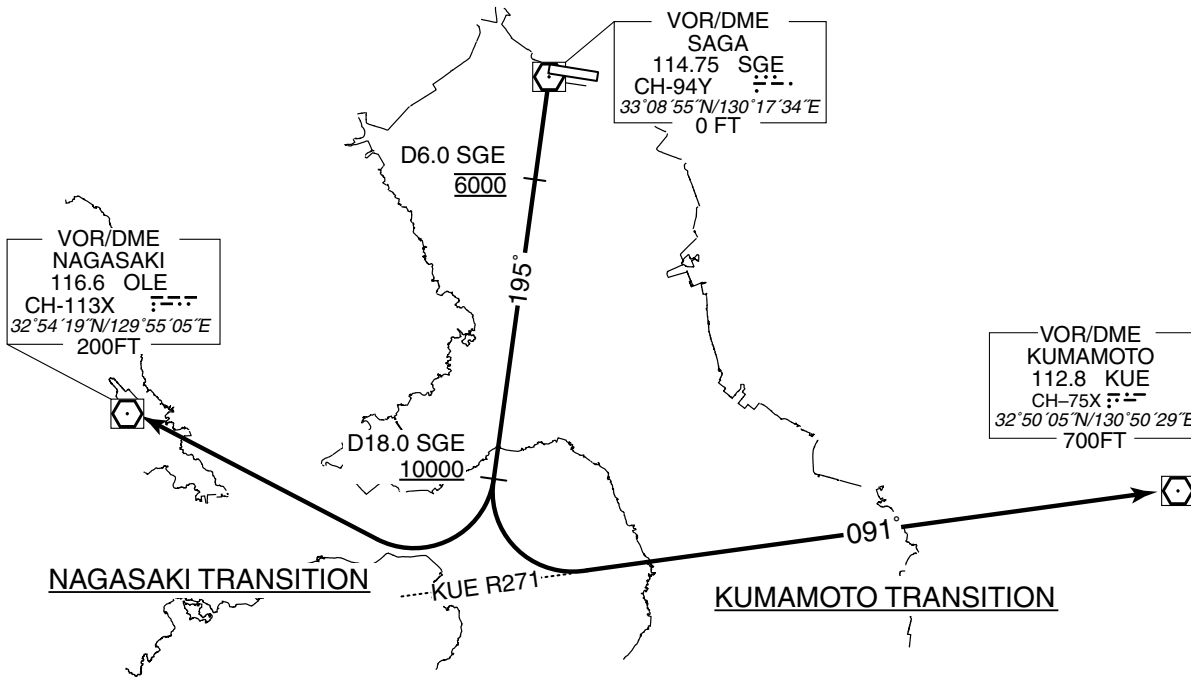
From over SGE VOR/DME, via SGE R195 to 18.0DME, turn left, via KUE R271 to KUE VOR/DME.

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

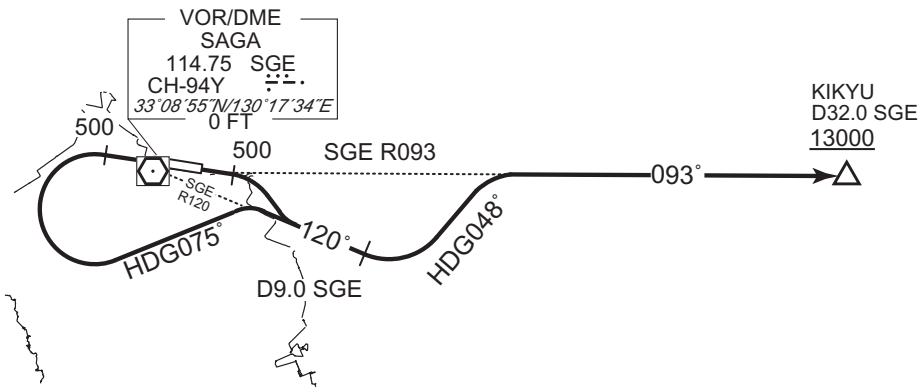
KIKYU FIVE DEPARTURE

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

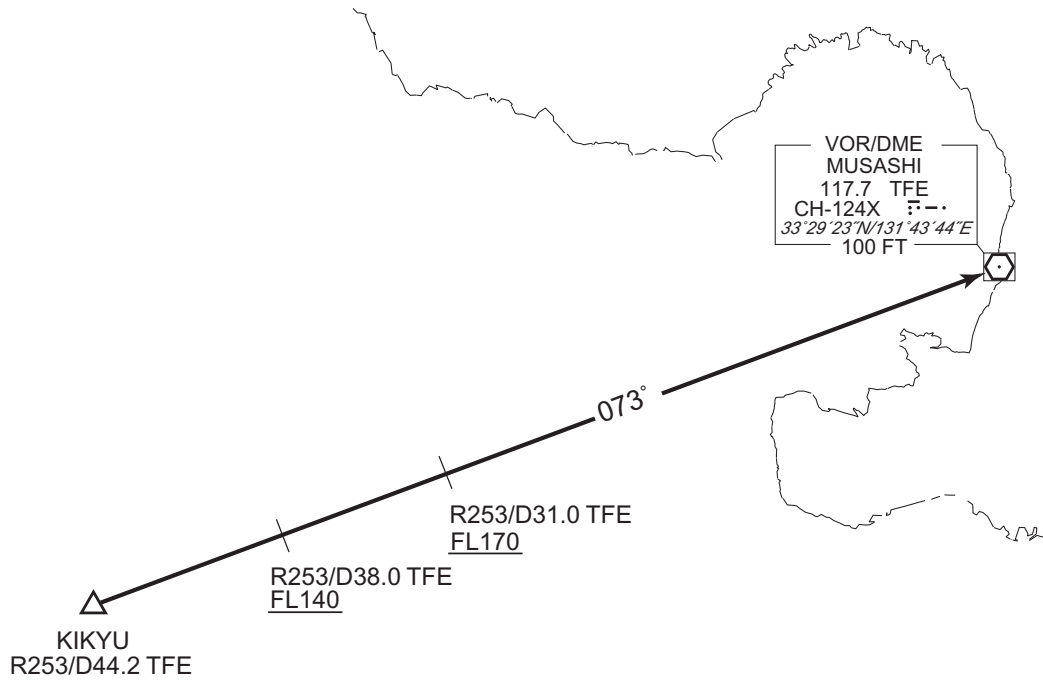
RJFS / SAGA

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.

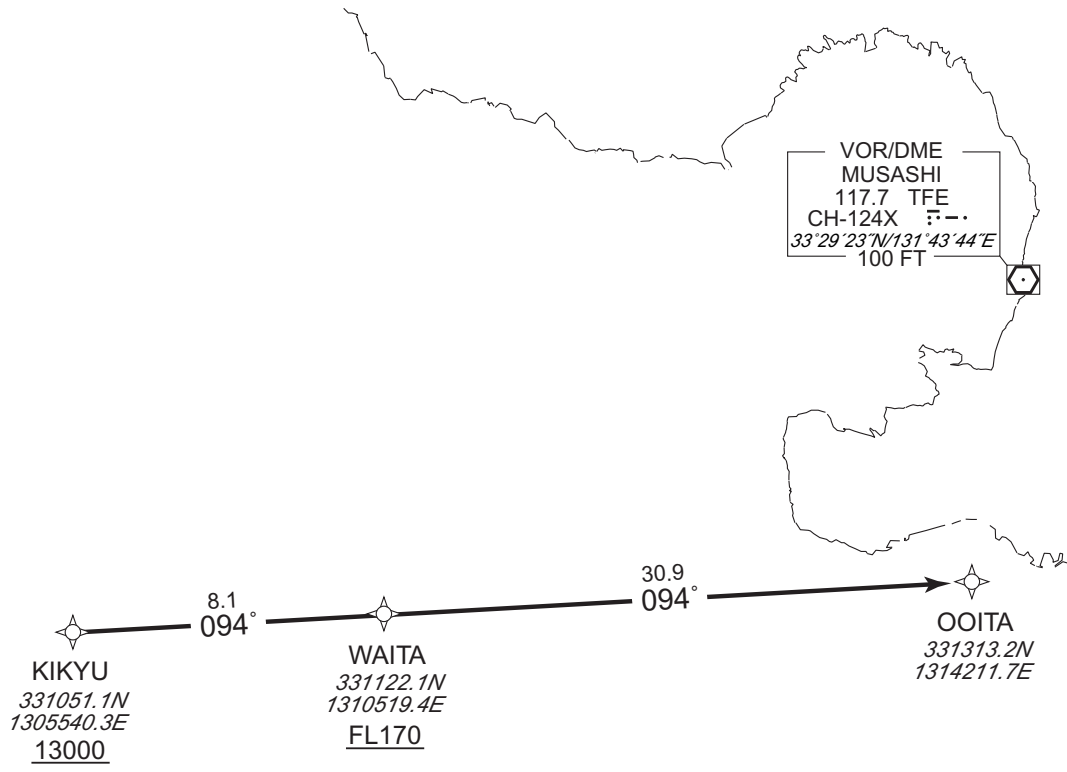
STANDARD DEPARTURE CHART - INSTRUMENT

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.

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STANDARD DEPARTURE CHART - INSTRUMENT

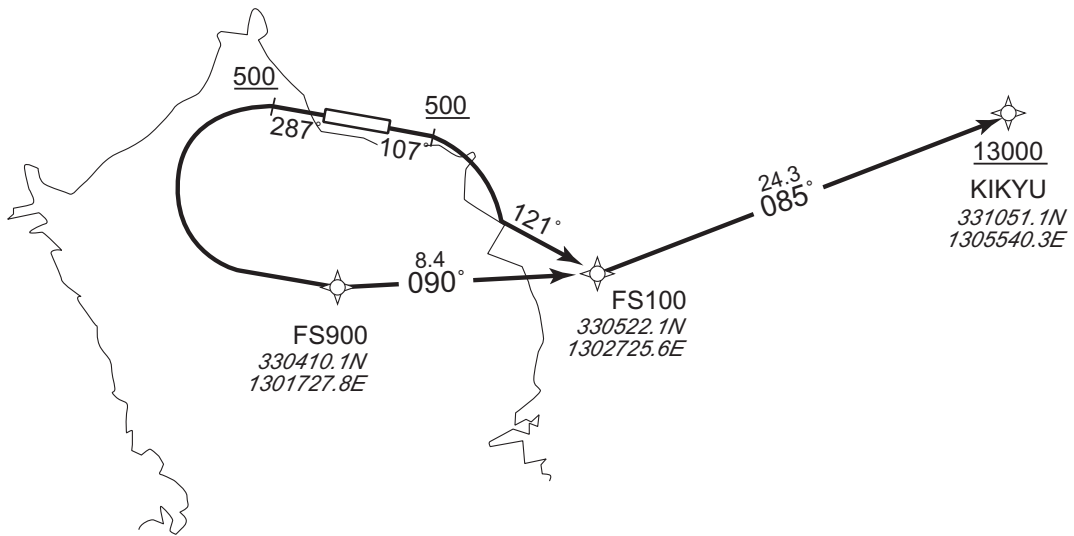
RJFS / SAGA RNAV SID

BALLOON TWO DEPARTURE

RNP1

Note GNSS required.

VAR 8° W



CHANGE : PROC course. PROC renamed. VAR.

RWY11 : Climb on HDG107° at or above 500FT, turn right to FS100 on course 121°, to KIKYU at or above 13000FT.

RWY29 : Climb on HDG287° at or above 500FT, turn left direct to FS900, to FS100, to KIKYU at or above 13000FT.

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

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

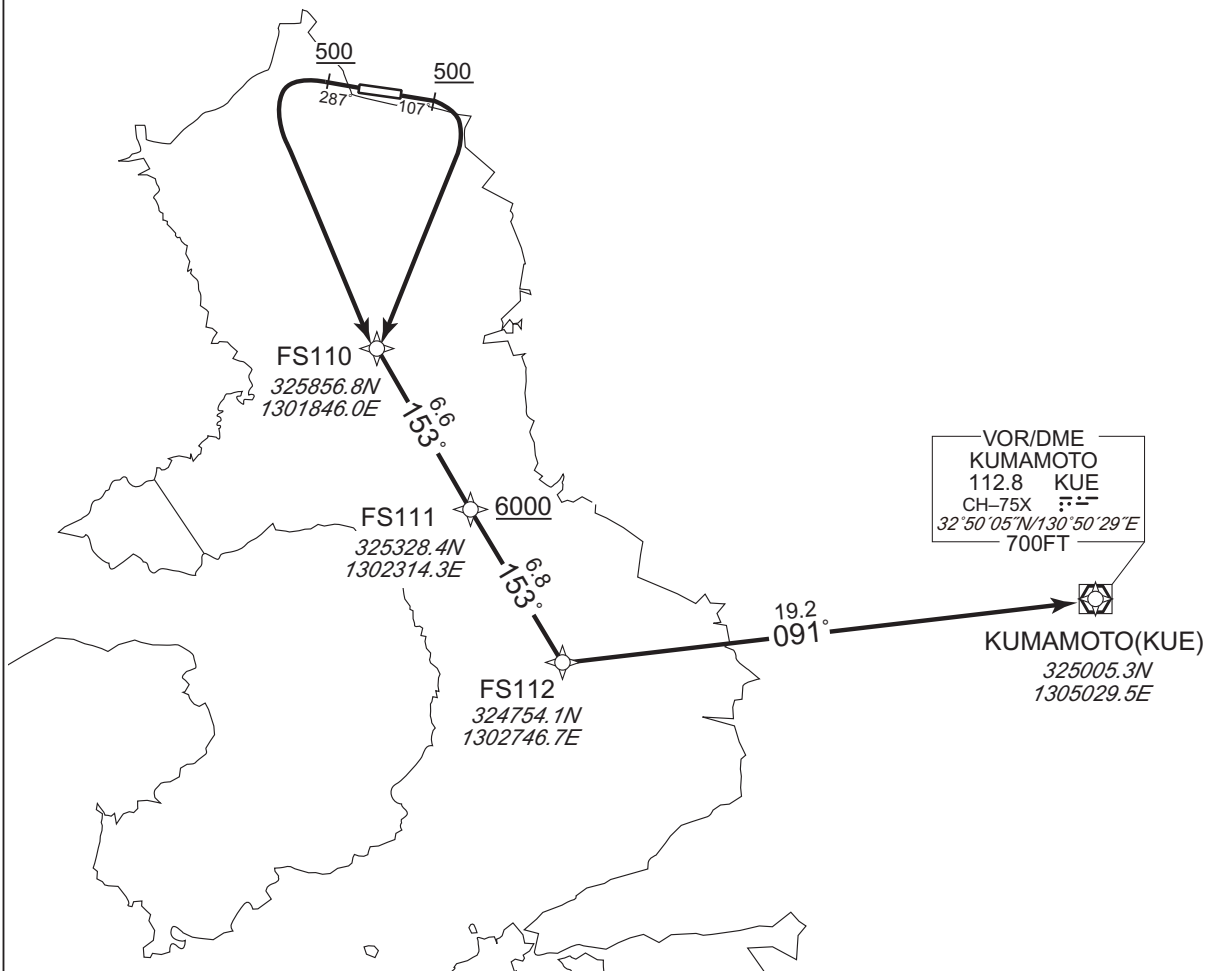
RNAV SID

SOIGI TWO DEPARTURE

RNP1

Note GNSS required.

VAR 8° W



CHANGE : PROC course. PROC renamed. VAR.

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

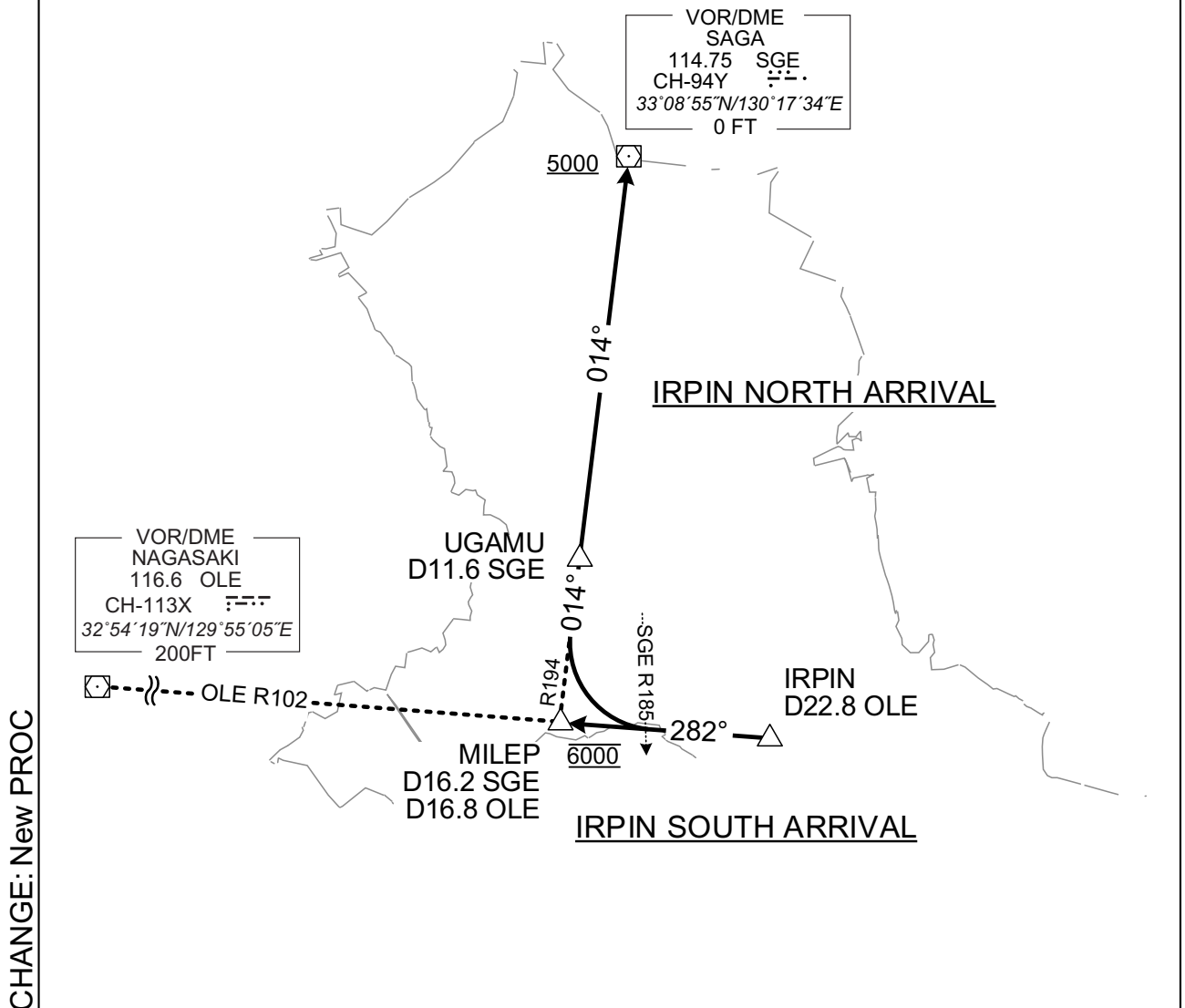
STAR

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.



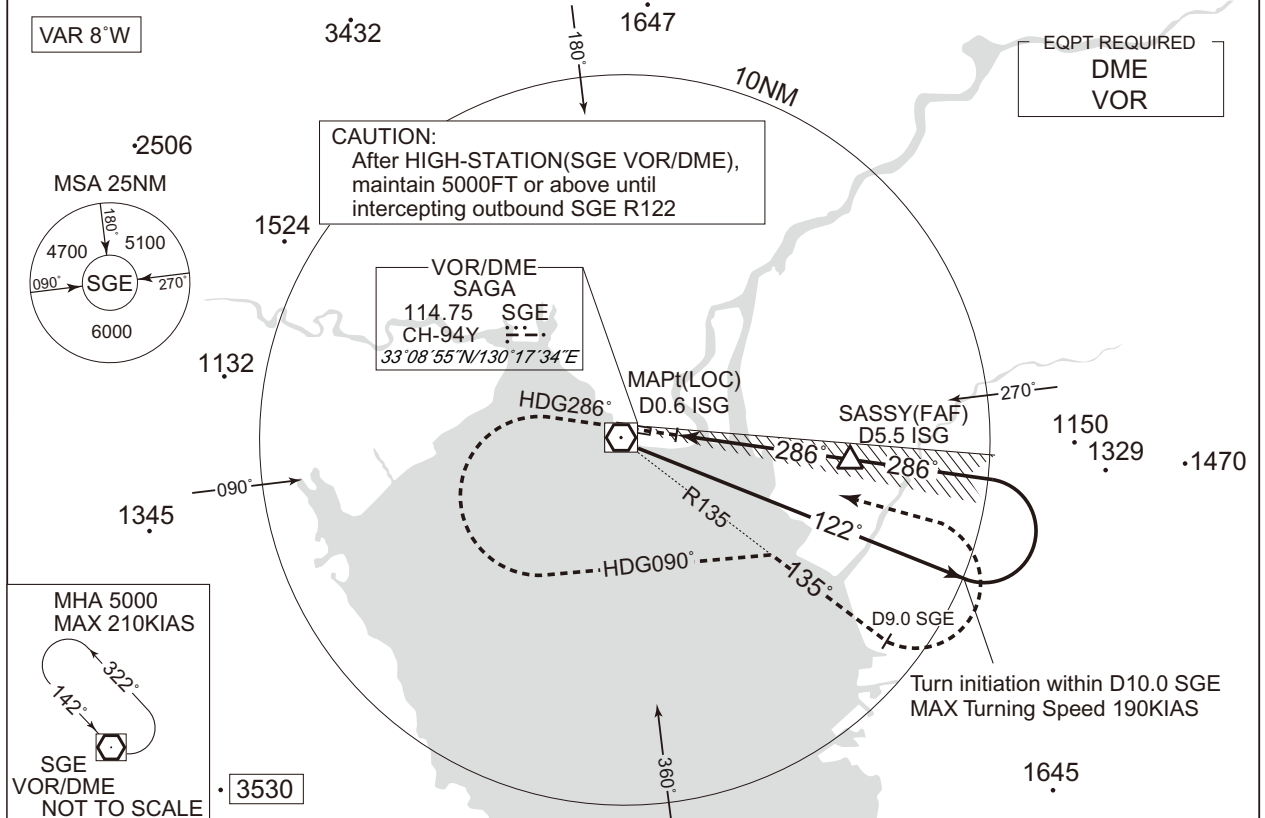
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INSTRUMENT APPROACH CHART

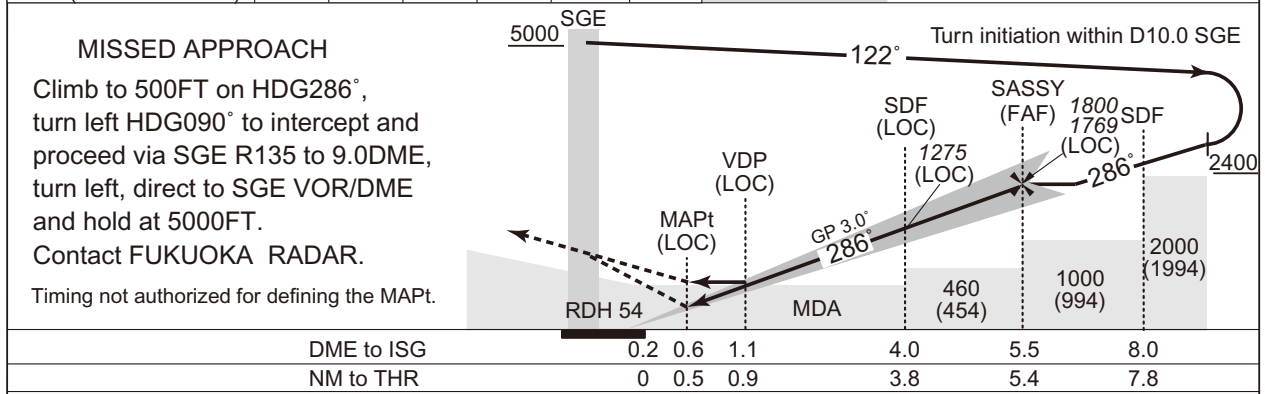
RJFS / SAGA

ILS or LOC RWY29

FUKUOKA RADAR 119.7 – 279.2	ILS - LOC 110.15 ISG $\dots$ ILS-GP 334.25 ILS-DME CH-38Y	SAGA RADIO 118.025 – 126.2	2130-2300(UTC) 1030-1500(UTC) 118.025 AFIS provided by Fukuoka Airport Office	NO RADAR
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SASSY(FAF) : 330801.58N/1302505.75E



Missed APCH climb gradient MNM 5.0%

MINIMA		THR elev. 6	AD elev. 6			
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	206 (200)	550	330 (324)	1000	360 (354)	1600
B					900	
C					460 (454)	2400
D					560 (554)	

MINIMA with Missed APCH climb gradient of 2.5% are not established.  
Circling to SOUTH side of RWY only.



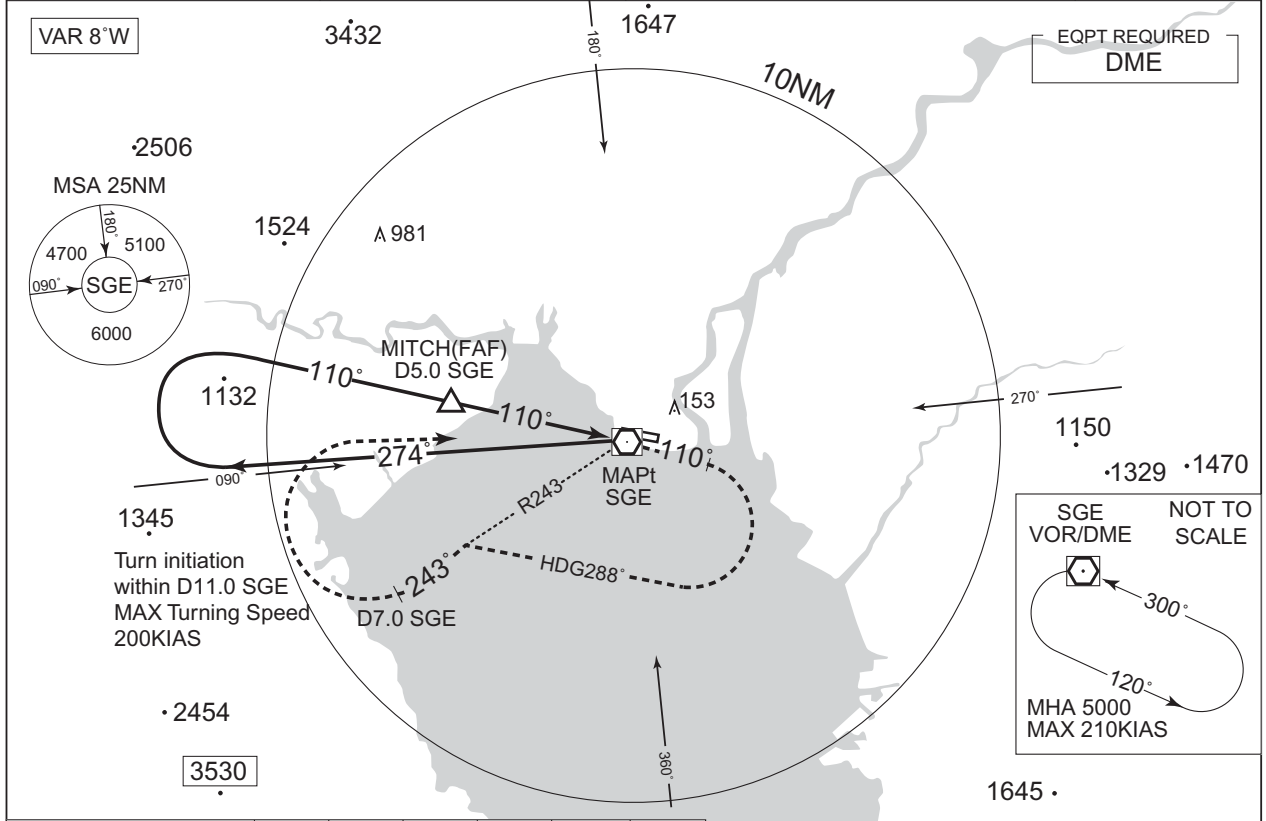


INSTRUMENT APPROACH CHART

RJFS / SAGA

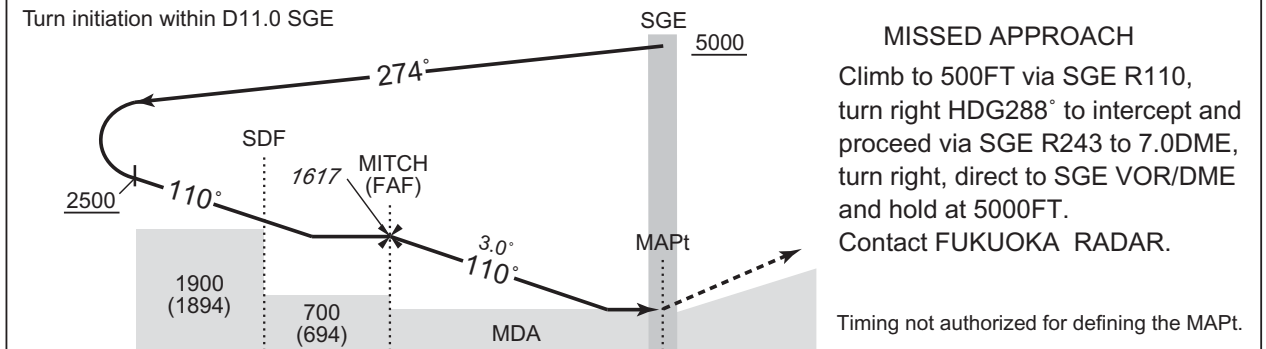
VOR RWY11

<b>FUKUOKA RADAR</b> 119.7 – 279.2	<b>SAGA VOR/DME</b> 114.75 SGE CH-94Y 33°08'55"N/130°17'34"E	<b>SAGA RADIO</b> 118.025 – 126.2	2130-2300(UTC) 1030-1500(UTC) 118.025 AFIS provided by Fukuoka Airport Office	<b>NO RADAR</b>
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NM to SGE	FAF	4	3	2	1	MAPt
ALT (3.0° APCH Path)	1617	1299	980	662	343	-

MITCH(FAF) : 331003.89N/1301146.58E



8.0	5.0	0.1	DME to SGE
7.9	4.9	0	NM to THR

MINIMA		THR elev. 6		AD elev. 6	
CAT	MDA(H)		CIRCLING		VIS
	MDA(H)	CMV	MDA(H)	VIS	
A	330 (324)	1200	360 (354)	1600	
B	340 (334)	1300	460 (454)		
C	370 (364)	1400		2400	
D	390 (384)	1600	560 (554)	3200	

CHANGE : VAR.

Circling to SOUTH side of RWY only.



INSTRUMENT APPROACH CHART

RJFS / SAGA

RNP RWY29(AR)

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

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		

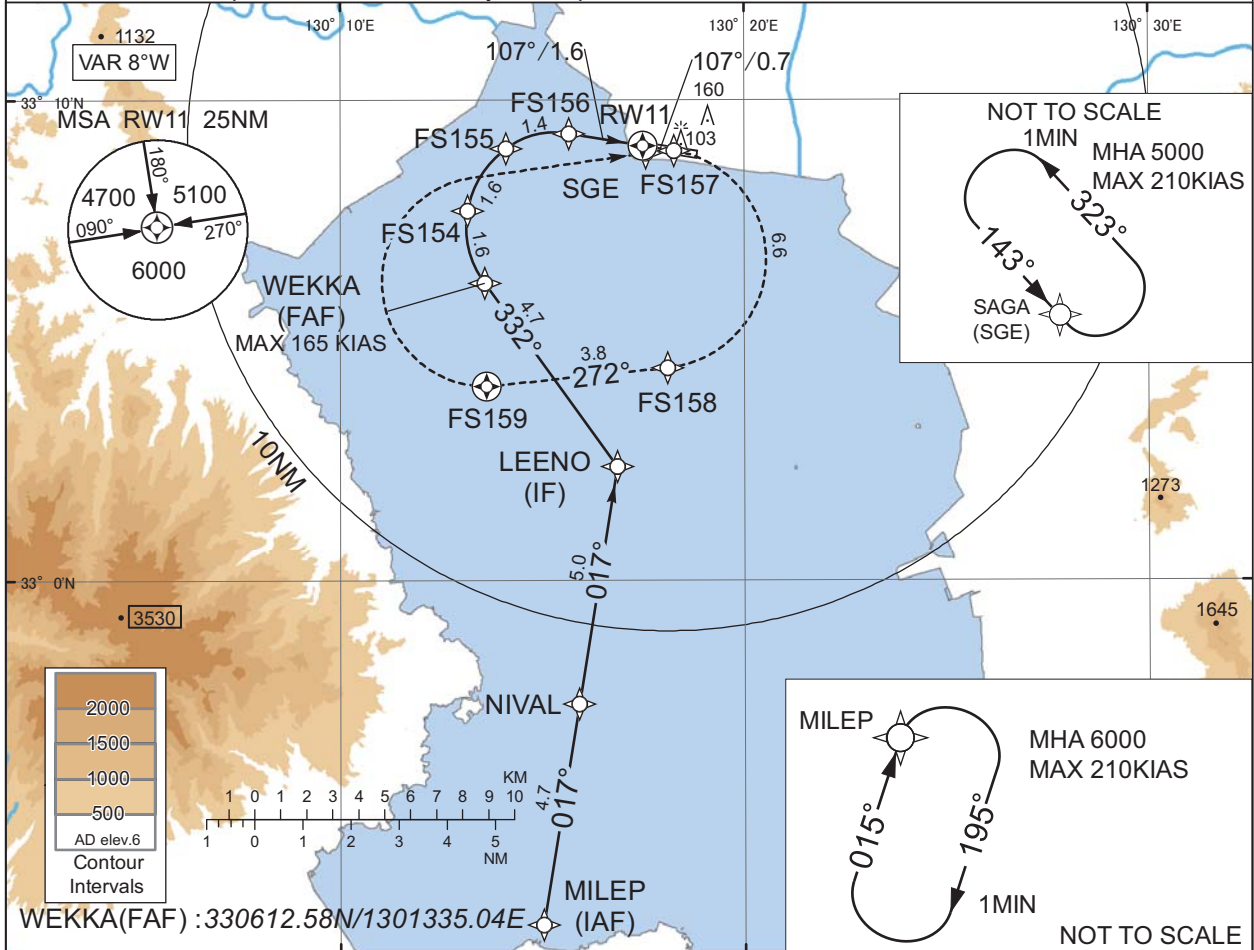
INSTRUMENT APPROACH CHART

RJFS / SAGA

RNP RWY11(AR)

FUKUOKA RADAR 119.7 - 279.2	RNP AR RF required.	SAGA RADIO 118.025 - 126.2	2130 - 2300(UTC) 1030 - 1500(UTC) 118.025 AFIS provided by Fukuoka Airport Office	NO RADAR
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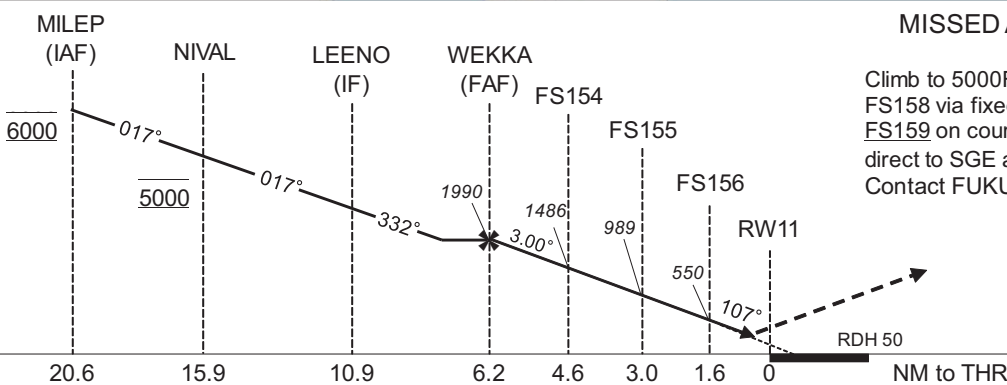
For uncompensated Baro-VNAV systems, procedure not authorized below -10°C / above 45°C



WEKKA(FAF) : 330612.58N/1301335.04E

MISSED APPROACH

Climb to 5000FT, to FS157, to FS158 via fixed radius turn, to FS159 on course 272°, turn right, direct to SGE and hold. Contact FUKUOKA RADAR.



Missed APCH climb gradient MNM 5.0%

CAT	RNP 0.10		RNP 0.30	
	DA(H)	CMV	DA(H)	CMV
A	-	-	-	-
B	-	-	-	-
C	256(250)	1200	309(303)	1400
D	-	1400	-	1600

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

**Authorization Required**

CHANGE : Missed APCH PROC. HLDG pattern. MINIMA. FS157, FS158, FS159 established. FS153 abolished. VAR.

INSTRUMENT APPROACH CHART

RJFS / SAGA

RNP RWY11(AR)

CHANGE : Waypoint (FS157, FS158, FS159) established. RF Arc Center (FSRF1) established. RF Arc Center (FSRF5) established. HLDG pattern added. Waypoint (FS153) abolished. VAR.

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

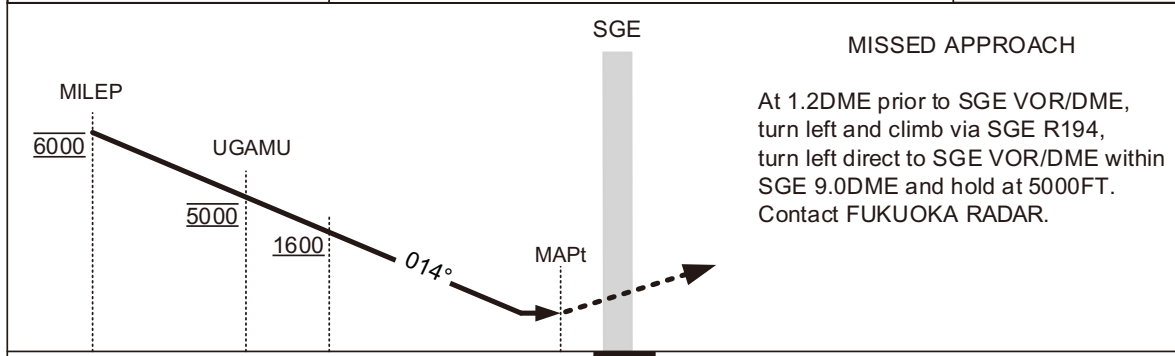
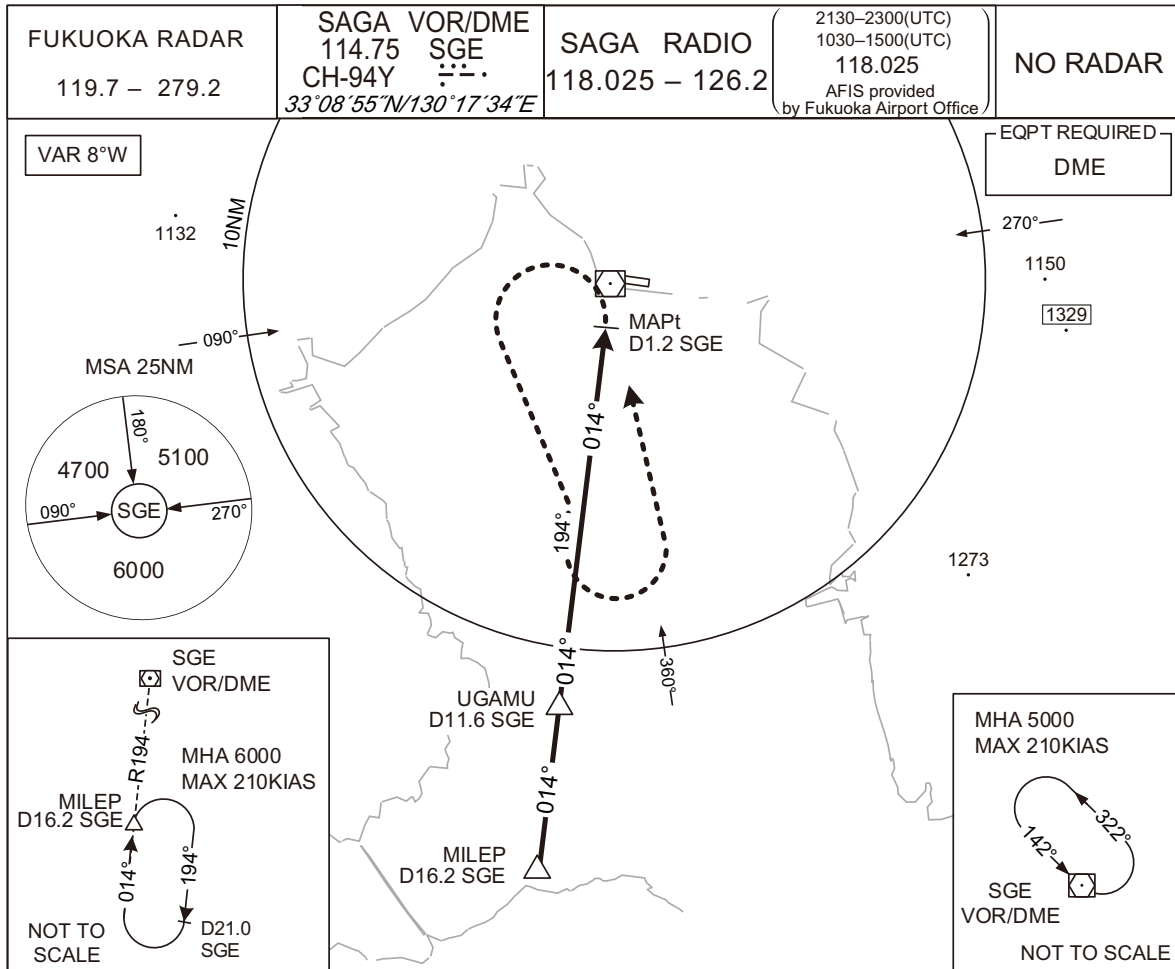
Waypoint Coordinates

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		

INSTRUMENT APPROACH CHART

RJFS/SAGA

VOR A

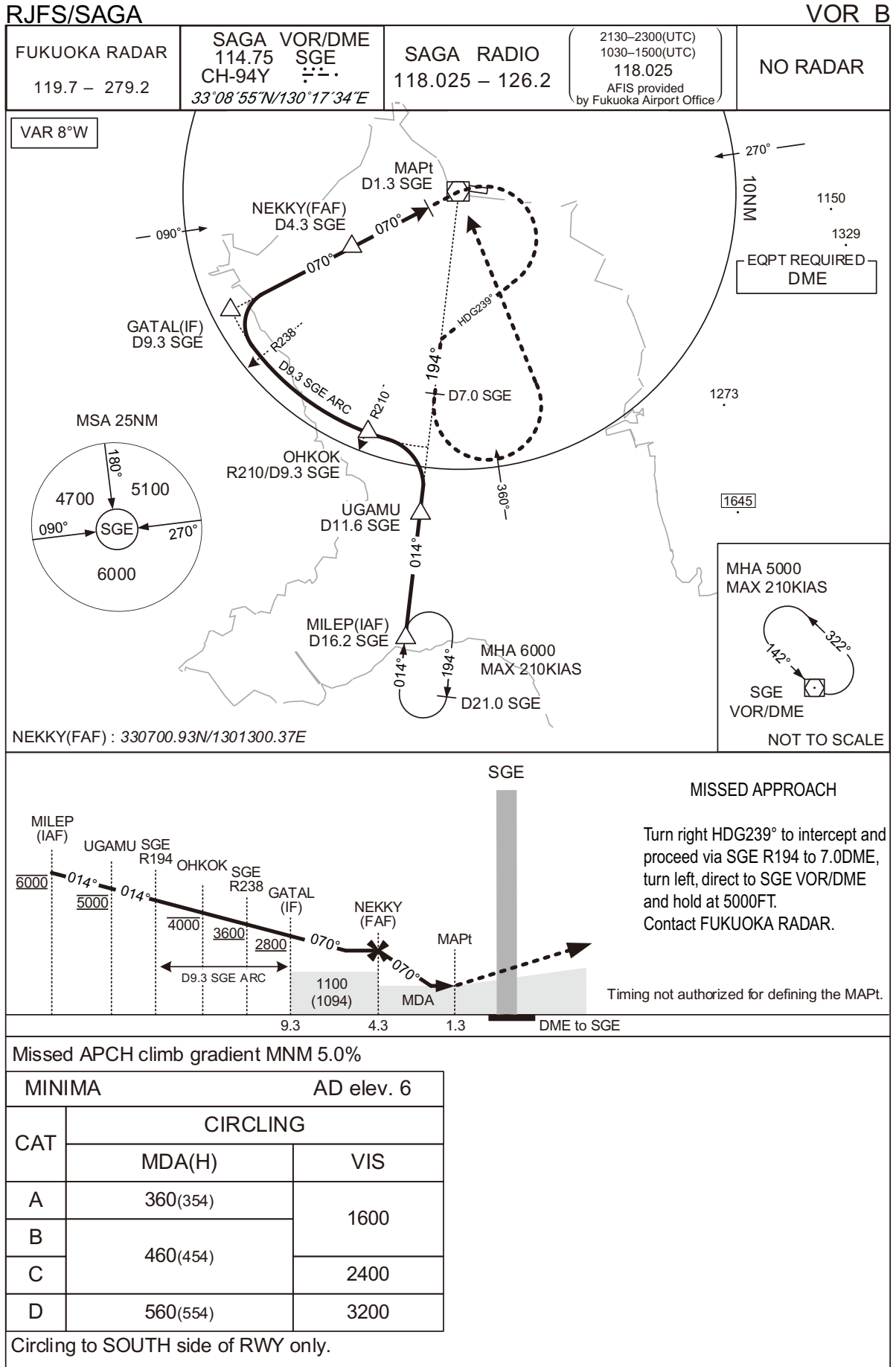


MINIMA		AD elev. 6	
CAT	CIRCLING		
	MDA(H)	VIS	
A	360(354)	1600	
B	460(454)		
C	460(454)	2400	
D	560(554)	3200	

Circling to SOUTH side of RWY only.

CHANGE : VAR.

INSTRUMENT APPROACH CHART

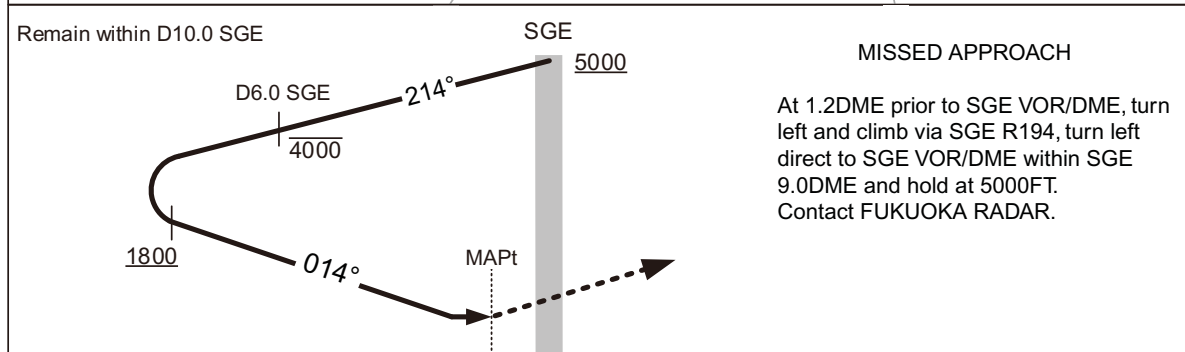
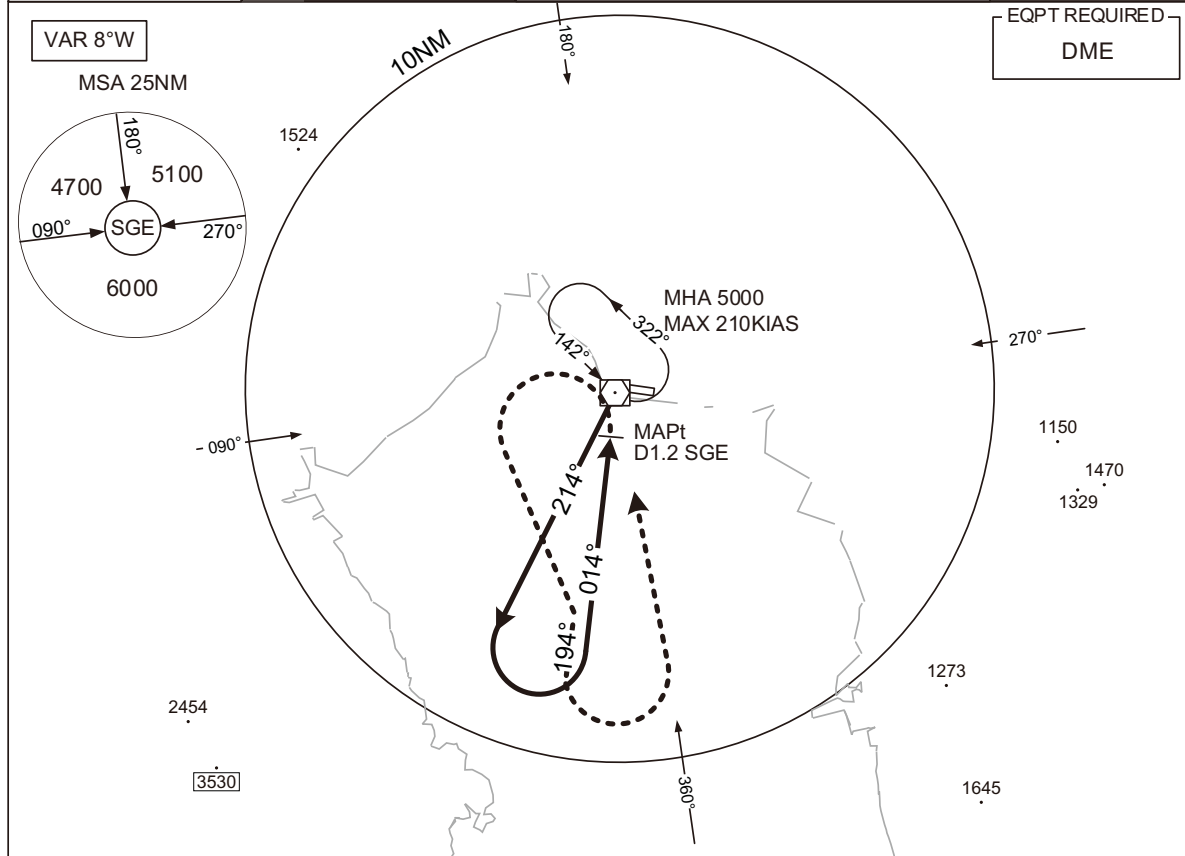


INSTRUMENT APPROACH CHART

RJFS/SAGA

VOR C

FUKUOKA RADAR 119.7 – 279.2	SAGA VOR/DME 114.75 SGE CH-94Y 33°08'55"N/130°17'34"E	SAGA RADIO 118.025 – 126.2	2130–2300(UTC) 1030–1500(UTC) 118.025 AFIS provided by Fukuoka Airport Office	NO RADAR
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MINIMA		AD elev. 6	
CAT	CIRCLING		
	MDA(H)	VIS	
A	360(354)	1600	
B	460(454)		
C		2400	
D	560(554)	3200	

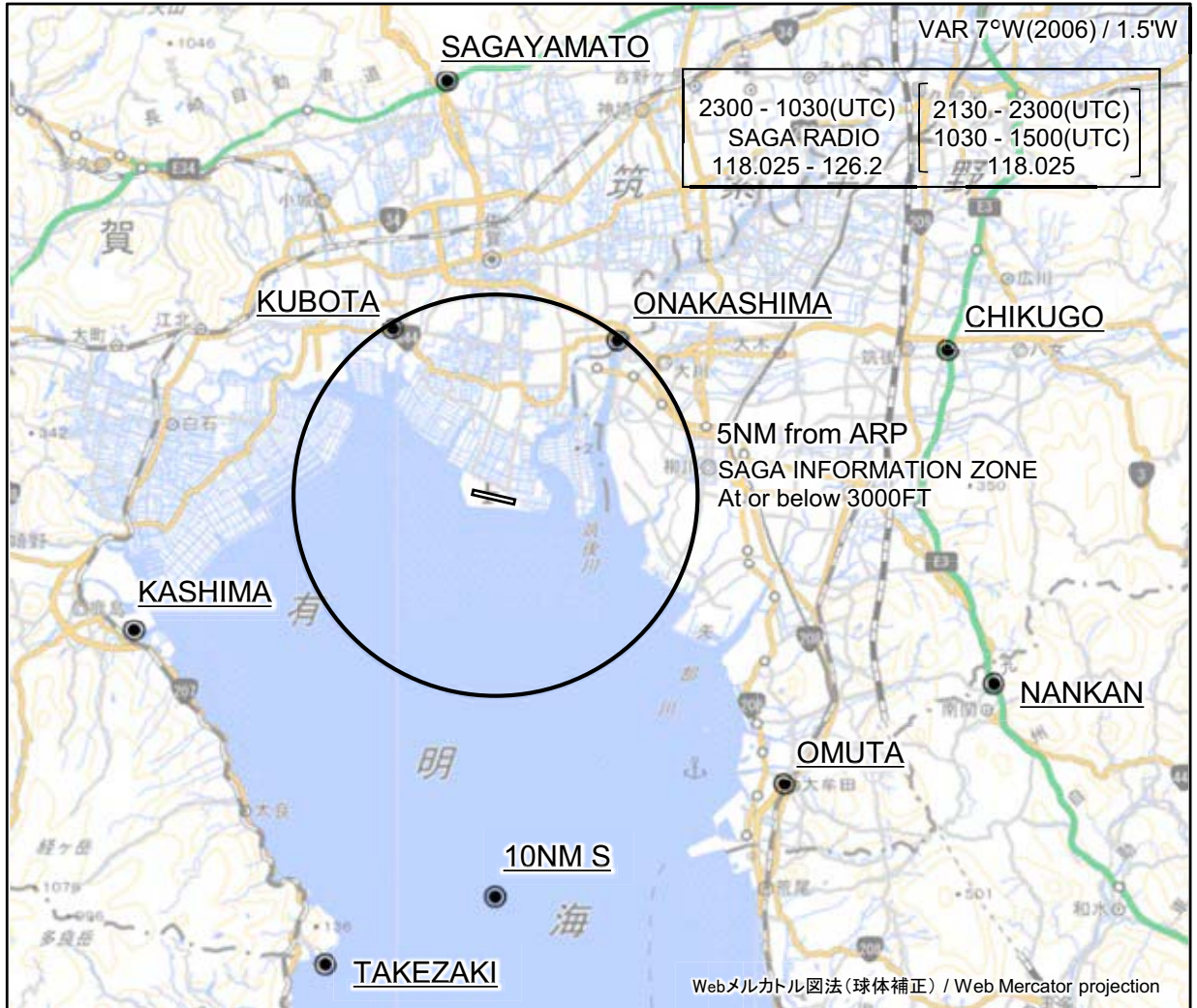
Circling to SOUTH side of RWY only.

CHANGE: VAR.



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 : SAGA REMOTE deleted.

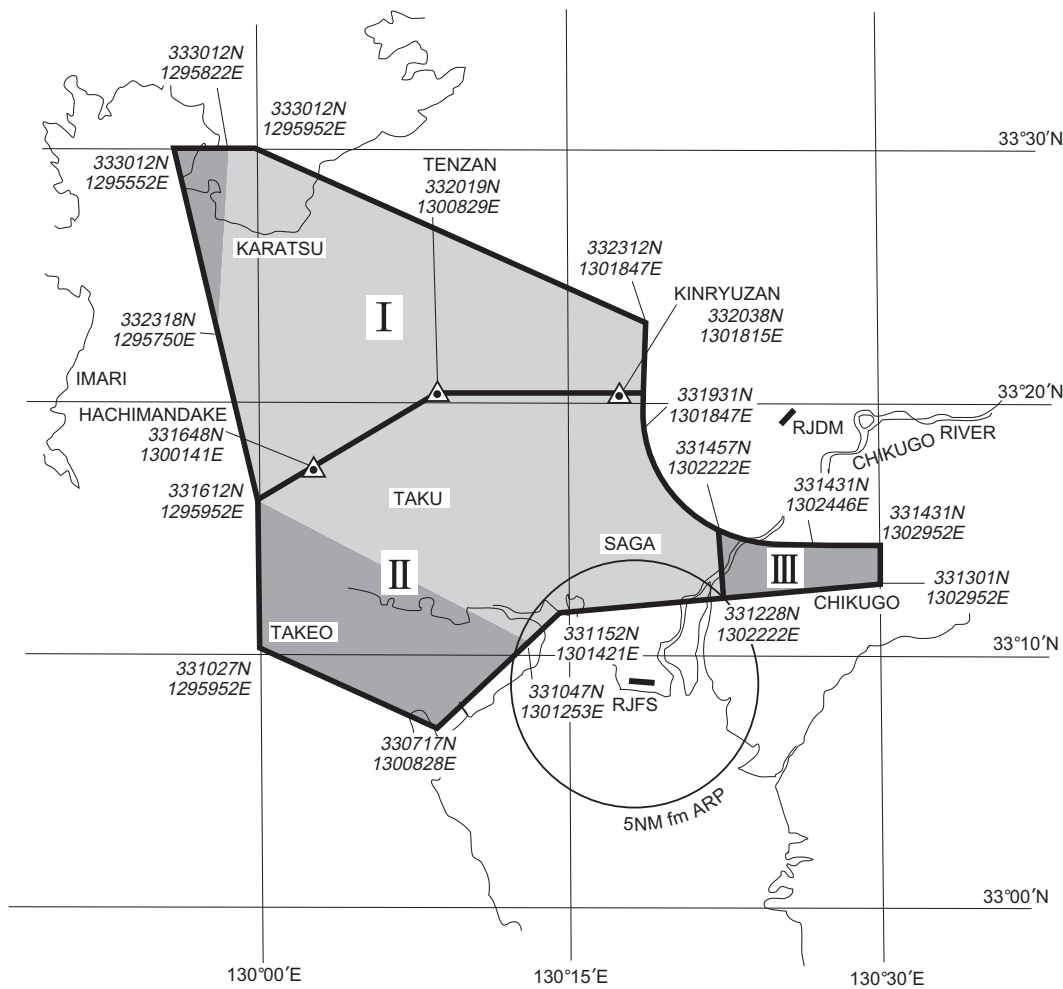
Call sign	BRG / DIST from ARP	Remarks
佐賀大和 Sagayamato	353°T / 10.4NM	佐賀大和インターチェンジ Interchange
久保田 Kubota	329°T / 4.9NM	久保田橋 Bridge
大中島 Onakashima	037°T / 4.9NM	筑後川昇開橋 Bridge
筑後 Chikugo	072°T / 11.7NM	八女インターチェンジ Interchange
鹿島 Kashima	249°T / 9.5NM	新浜大橋 Bridge
南関 Nankan	111°T / 13.1NM	南関インターチェンジ Interchange
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 3000ft 以下  
 FLT ALT At or below 3000ft

飛行高度 4000ft 以下  
 FLT ALT 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 RADIO.

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

CHANGE : SAGA REMOTE deleted.

