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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 DEPARTURESAGA 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.



STANDARD DEPARTURE CHART - INSTRUMENT

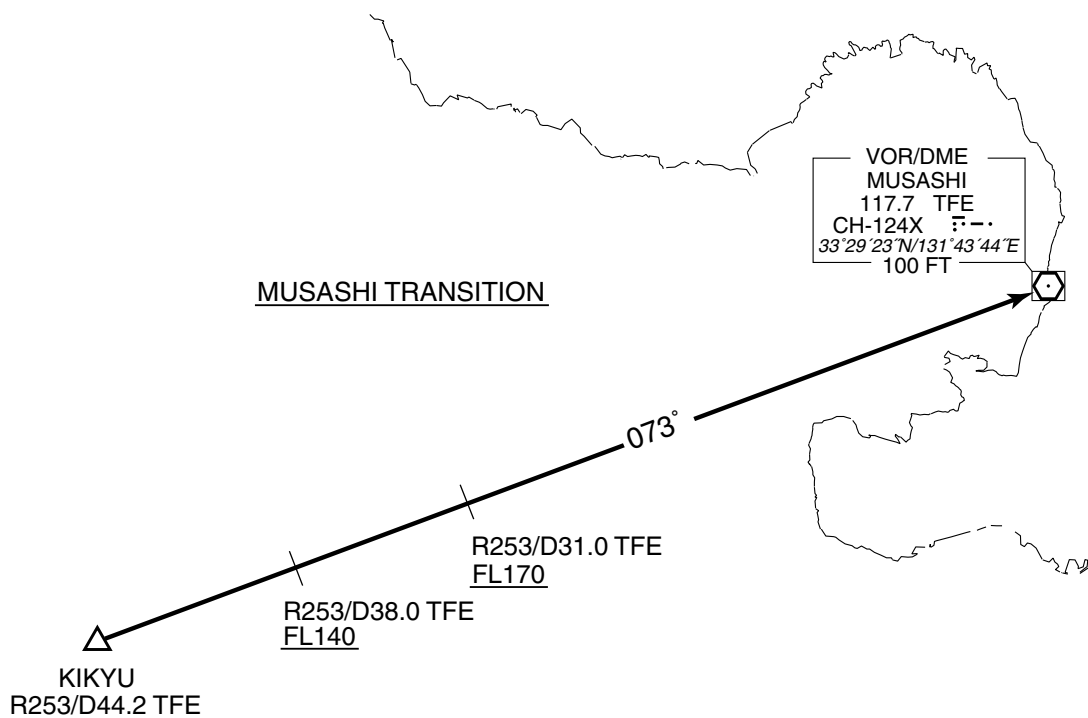
RJFS / SAGA

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.



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 7° W(2016)

OOITA TRANSITION

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	—	—	-7.2	—	—	+13000	—	—	RNAV1
002	TF	WAITA	—	094 (086.3)	-7.2	8.1	—	+FL170	—	—	RNAV1
003	TF	OOITA	—	094 (086.4)	-7.2	30.9	—	—	—	—	RNAV1

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STANDARD DEPARTURE CHART - INSTRUMENT

RJFS / SAGA

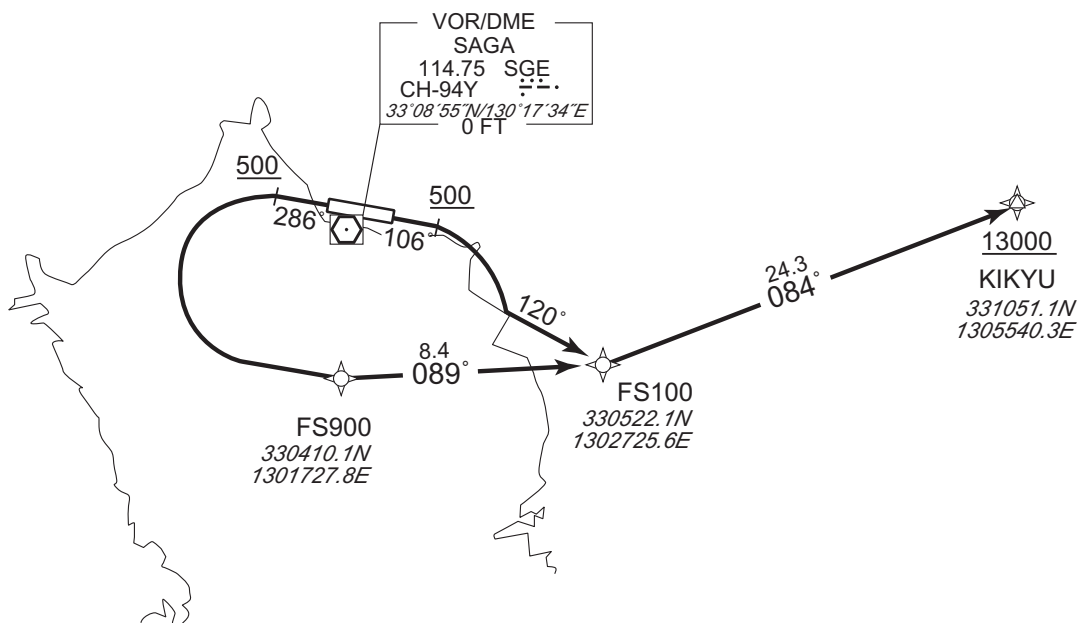
RNAV SID

BALLOON ONE DEPARTURE

Basic RNP1

Note GNSS required.

VAR 7° W(2016)



BALLOON ONE DEPARTURE

BALLOON ONE DEPARTURE

RWY11 : Climb on HDG106° at or above 500FT, turn right to FS100 on track 120°, to KIKYU at or above 13000FT.

RWY29 : Climb on HDG286° 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 ONE 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	—	—	106 (099.3)	-7.2	—	—	+500	—	—	Basic RNP1
002	CF	FS100	—	120 (113.2)	-7.2	—	—	—	—	—	Basic RNP1
003	TF	KIKYU	—	084 (076.8)	-7.2	24.3	—	+13000	—	—	Basic 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	—	—	286 (279.3)	-7.2	—	—	+500	—	—	Basic RNP1
002	DF	FS900	—	—	-7.2	—	L	—	—	—	Basic RNP1
003	TF	FS100	—	089 (081.8)	-7.2	8.4	—	—	—	—	Basic RNP1
004	TF	KIKYU	—	084 (076.8)	-7.2	24.3	—	+13000	—	—	Basic RNP1

STANDARD DEPARTURE CHART - INSTRUMENT

RJFS / SAGA

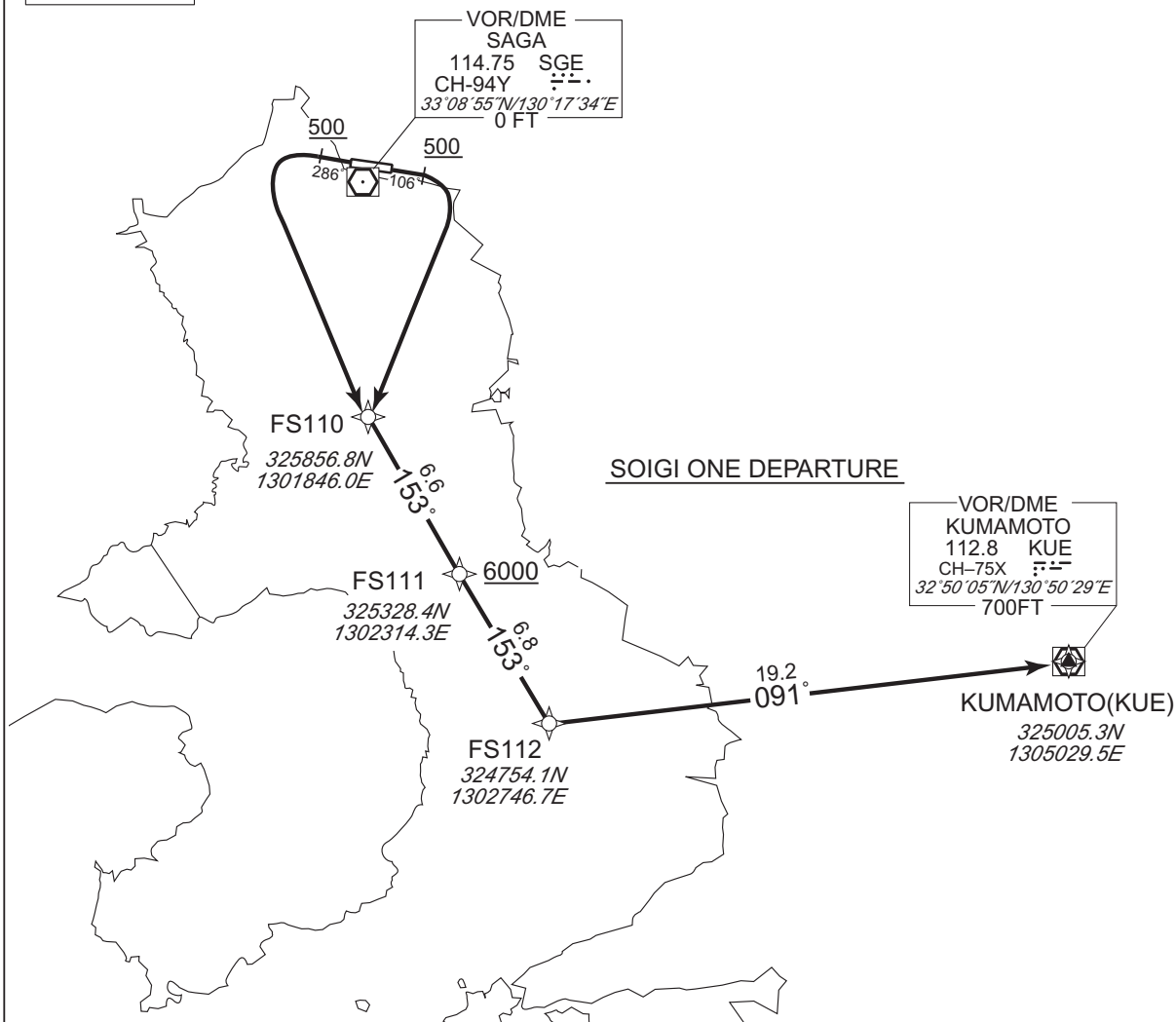
RNAV SID

SOIGI ONE DEPARTURE

Basic RNP1

Note GNSS required.

VAR 7° W(2016)



SOIGI ONE DEPARTURE

RWY11 : Climb on HDG106° at or above 500FT, turn right direct to FS110, to FS111 at or above 6000FT, to FS112, to KUE.

RWY29 : Climb on HDG286° 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 ONE 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	—	—	106 (099.3)	-7.2	—	—	+500	—	—	Basic RNP1
002	DF	FS110	—	—	-7.2	—	R	—	—	—	Basic RNP1
003	TF	FS111	—	153 (145.5)	-7.2	6.6	—	+6000	—	—	Basic RNP1
004	TF	FS112	—	153 (145.6)	-7.2	6.8	—	—	—	—	Basic RNP1
005	TF	KUE	—	091 (083.4)	-7.2	19.2	—	—	—	—	Basic 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	—	—	286 (279.3)	-7.2	—	—	+500	—	—	Basic RNP1
002	DF	FS110	—	—	-7.2	—	L	—	—	—	Basic RNP1
003	TF	FS111	—	153 (145.5)	-7.2	6.6	—	+6000	—	—	Basic RNP1
004	TF	FS112	—	153 (145.6)	-7.2	6.8	—	—	—	—	Basic RNP1
005	TF	KUE	—	091 (083.4)	-7.2	19.2	—	—	—	—	Basic RNP1

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.

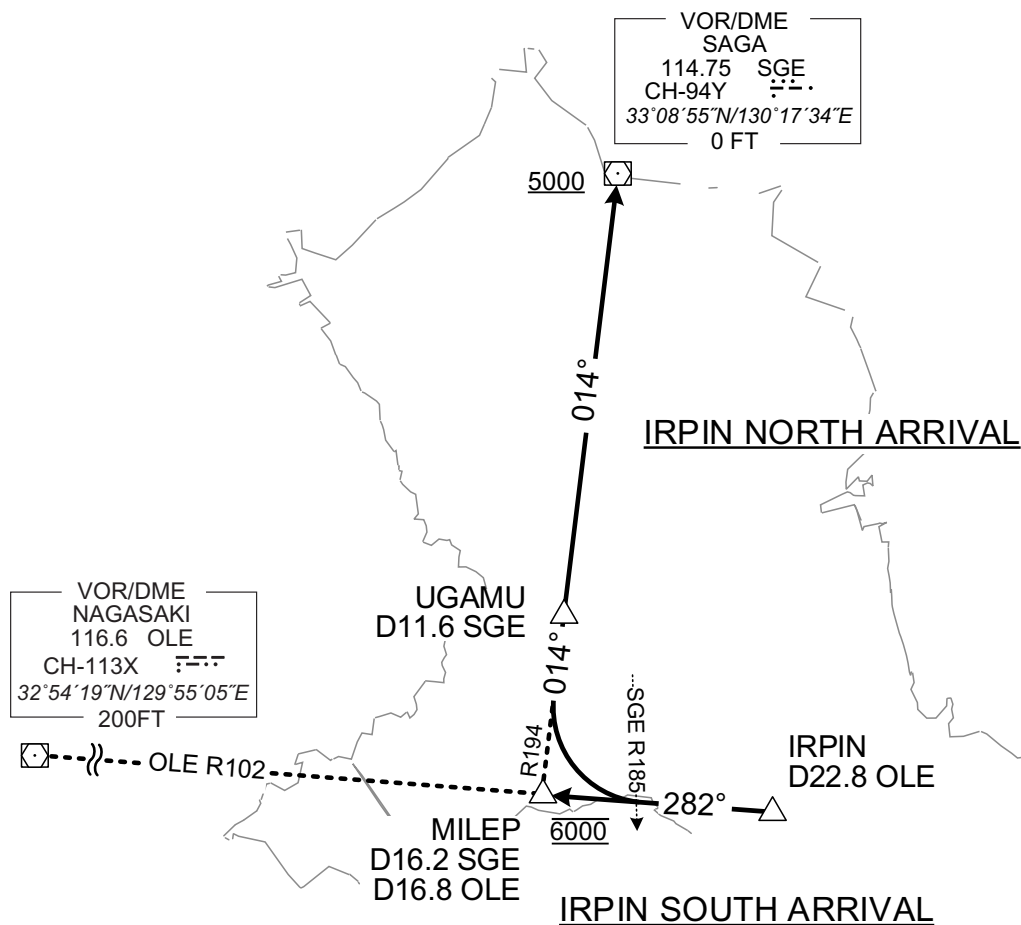
Cross MILEP at 6000FT, cross SGE VOR/DME at or above 5000FT.

IRPIN SOUTH ARRIVAL

From over IRPIN, via OLE R102 to MILEP.

Cross MILEP at 6000FT.

CHANGE: New PROC

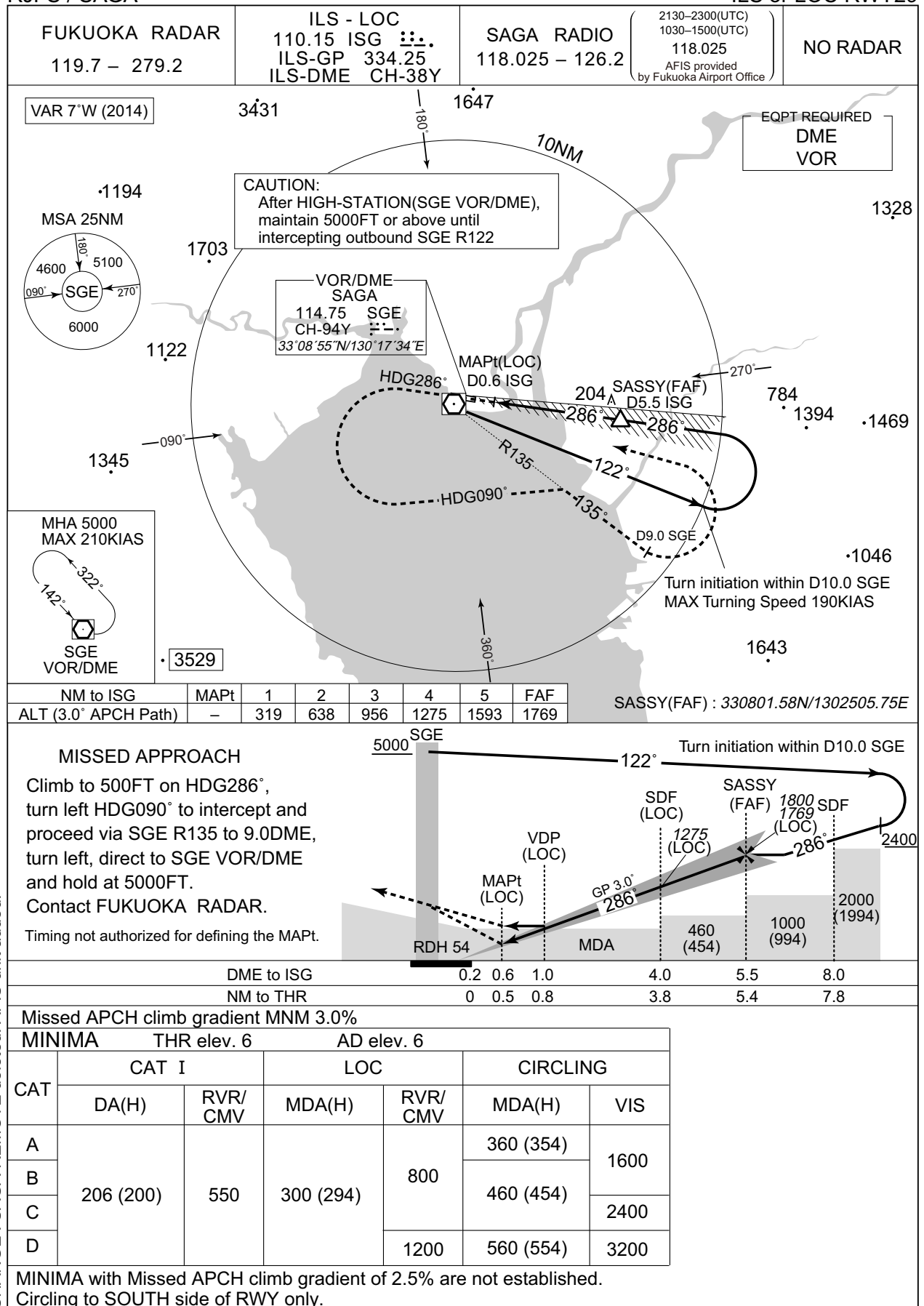


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INSTRUMENT APPROACH CHART

RJFS / SAGA

ILS or LOC RWY29



CHANGE : SAGA REMOTE deleted. AFIS unit added.

INSTRUMENT APPROACH CHART

RJFS / SAGA

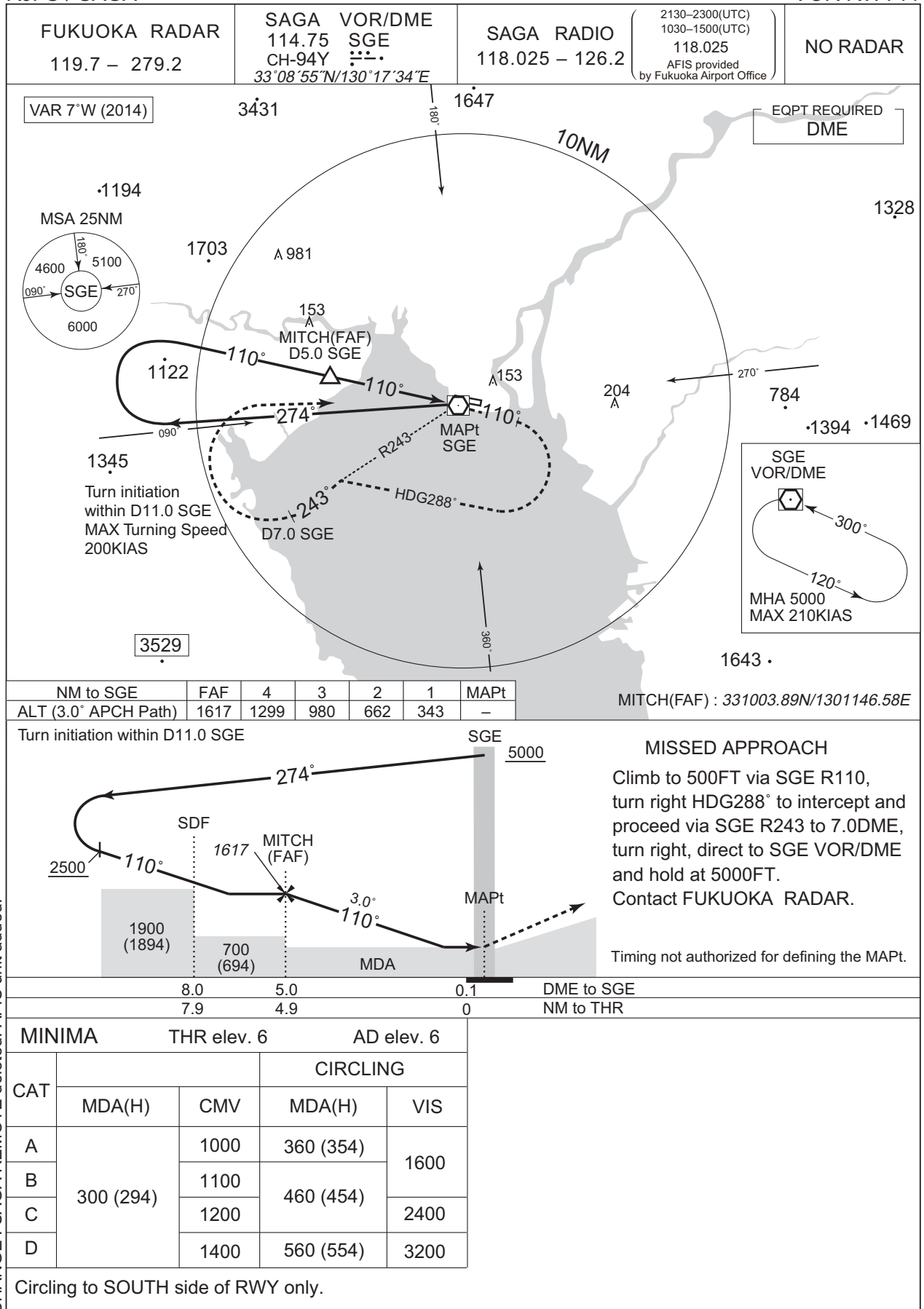
VOR RWY29



INSTRUMENT APPROACH CHART

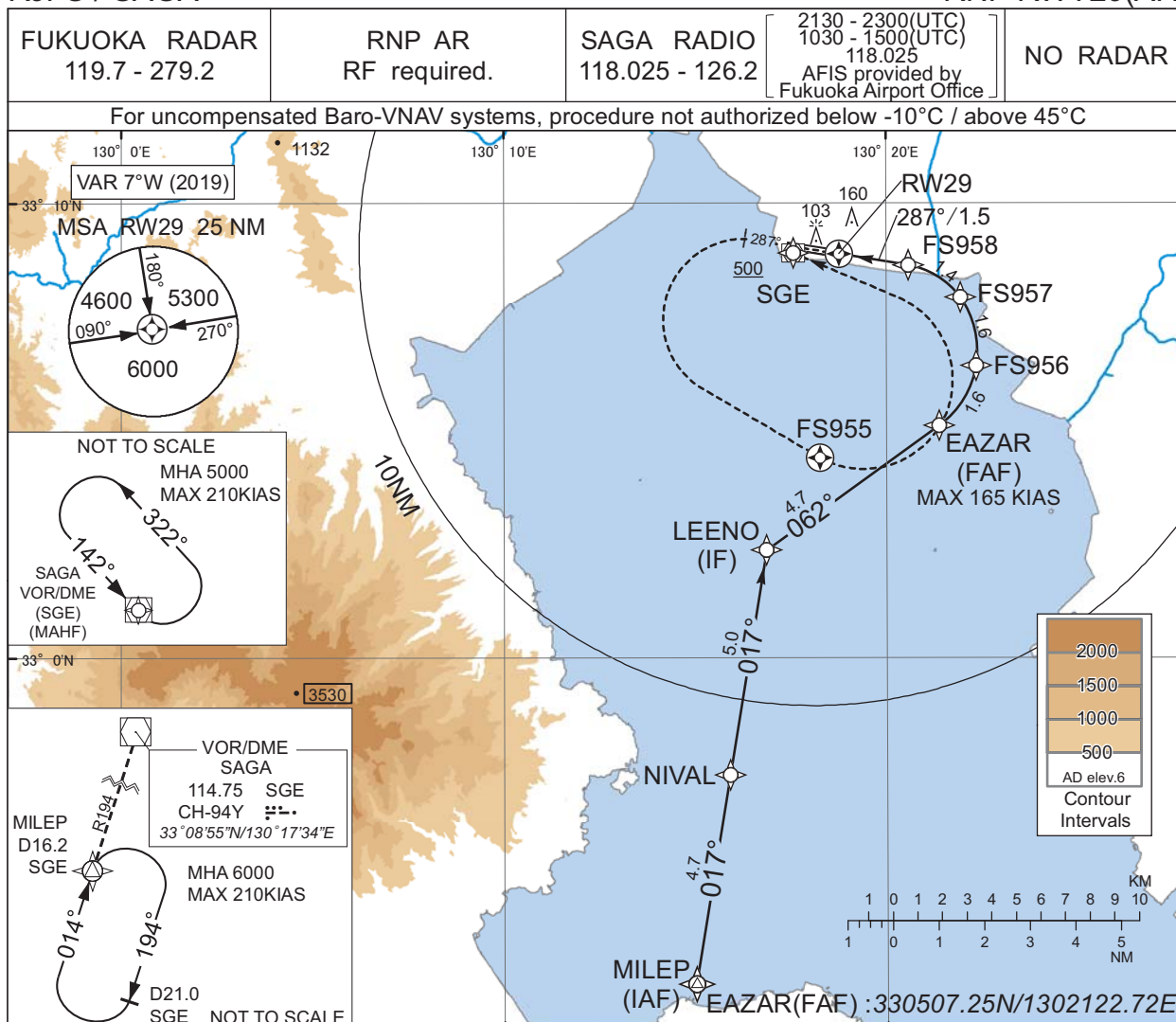
RJFS / SAGA

VOR RWY11

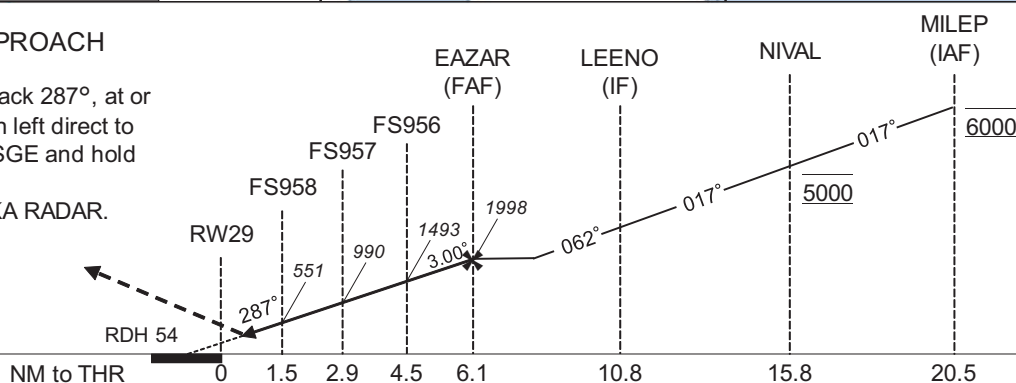


RJFS / SAGA

RNP RWY29(AR)



From RW29 on track 287°, at or above 500FT, turn left direct to FS955, direct to SGE and hold at 5000FT.
Contact FUKUOKA RADAR.



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

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	-	-	-7.5	-	-	6000	-	-	-
002	TF	NIVAL	-	017 (009.2)	-7.5	4.7	-	5000	-	-	0.3
003	TF	LEENO	-	017 (009.2)	-7.5	5.0	-	-	-	-	0.3
004	TF	EAZAR	-	062 (054.2)	-7.5	4.7	-	1998	-165	-	0.3
005	RF Center: FSRF8 r=2.02NM	FS956	-	-	-7.5	1.6	L	1493	-	-3.00	0.3
006	RF Center: FSRF9 r=1.98NM	FS957	-	-	-7.5	1.6	L	990	-	-3.00	0.3
007	RF Center: FSRF0 r=1.75NM	FS958	-	-	-7.5	1.4	L	551	-	-3.00	0.3
008	TF	RW29	Y	287 (279.3)	-7.5	1.5	-	60	-	-3.00/54	0.3
009	FA	-	-	287 (279.3)	-7.5	-	-	+500	-	-	1.0
010	DF	FS955	Y	-	-7.5	-	L	-	-	-	1.0
011	DF	SGE	-	-	-7.5	-	L	5000	-	-	1.0

Waypoint Coordinates

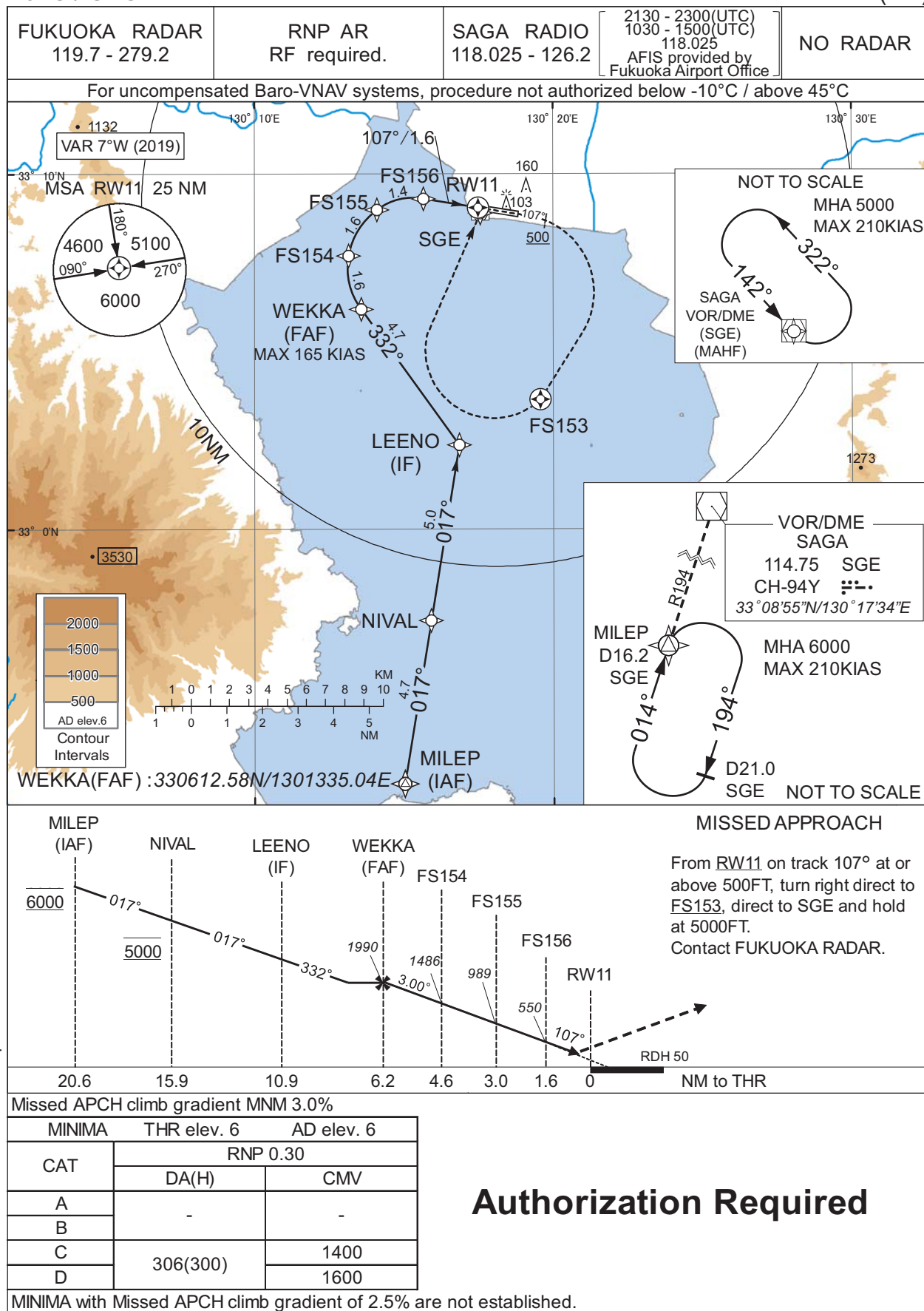
Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
MILEP	325250.49N / 1301501.22E	FSRF8	330645.72N / 1301958.78E
NIVAL	325726.55N / 1301554.33E	FSRF9	330646.63N / 1302001.15E
LEENO	330223.31N / 1301651.53E	FSRF0	330654.73N / 1302014.52E
EAZAR	330507.25N / 1302122.72E		
FS956	330626.19N / 1302220.91E		
FS957	330756.35N / 1302156.32E		
FS958	330838.87N / 1302034.72E		
RW29	330853.77N / 1301846.08E		
FS955	330424.77N / 1301815.75E		
SGE	330855.03N / 1301734.43E		

CHANGE : PROC renamed.

INSTRUMENT APPROACH CHART

RJFS / SAGA

RNP RWY11(AR)



CHANGE : PROC renamed. Requirement for RNP.

Authorization Required

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	-	-	-7.5	-	-	6000	-	-	-
002	TF	NIVAL	-	017 (009.2)	-7.5	4.7	-	5000	-	-	0.3
003	TF	LEENO	-	017 (009.2)	-7.5	5.0	-	-	-	-	0.3
004	TF	WEKKA	-	332 (324.3)	-7.5	4.7	-	1990	-165	-	0.3
005	RF Center: FSRF5 r=2.02NM	FS154	-	-	-7.5	1.6	R	1486	-	-3.00	0.3
006	RF Center: FSRF6 r=1.98NM	FS155	-	-	-7.5	1.6	R	989	-	-3.00	0.3
007	RF Center: FSRF7 r=1.77NM	FS156	-	-	-7.5	1.4	R	550	-	-3.00	0.3
008	TF	RW11	Y	107 (099.3)	-7.5	1.6	-	56	-	-3.00/50	0.3
009	FA	-	-	107 (099.3)	-7.5	-	-	+500	-	-	1.0
010	DF	FS153	Y	-	-7.5	-	R	-	-	-	1.0
011	DF	SGE	-	-	-7.5	-	R	5000	-	-	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		
FS154	330742.91N / 1301309.63E		
FS155	330900.65N / 1301406.71E		
FS156	330919.21N / 1301540.15E		
RW11	330904.20N / 1301729.91E		
FS153	330340.13N / 1301934.46E		
SGE	330855.03N / 1301734.43E		

CHANGE : PROC renamed.

INSTRUMENT APPROACH CHART

RJFS/SAGA

VOR A

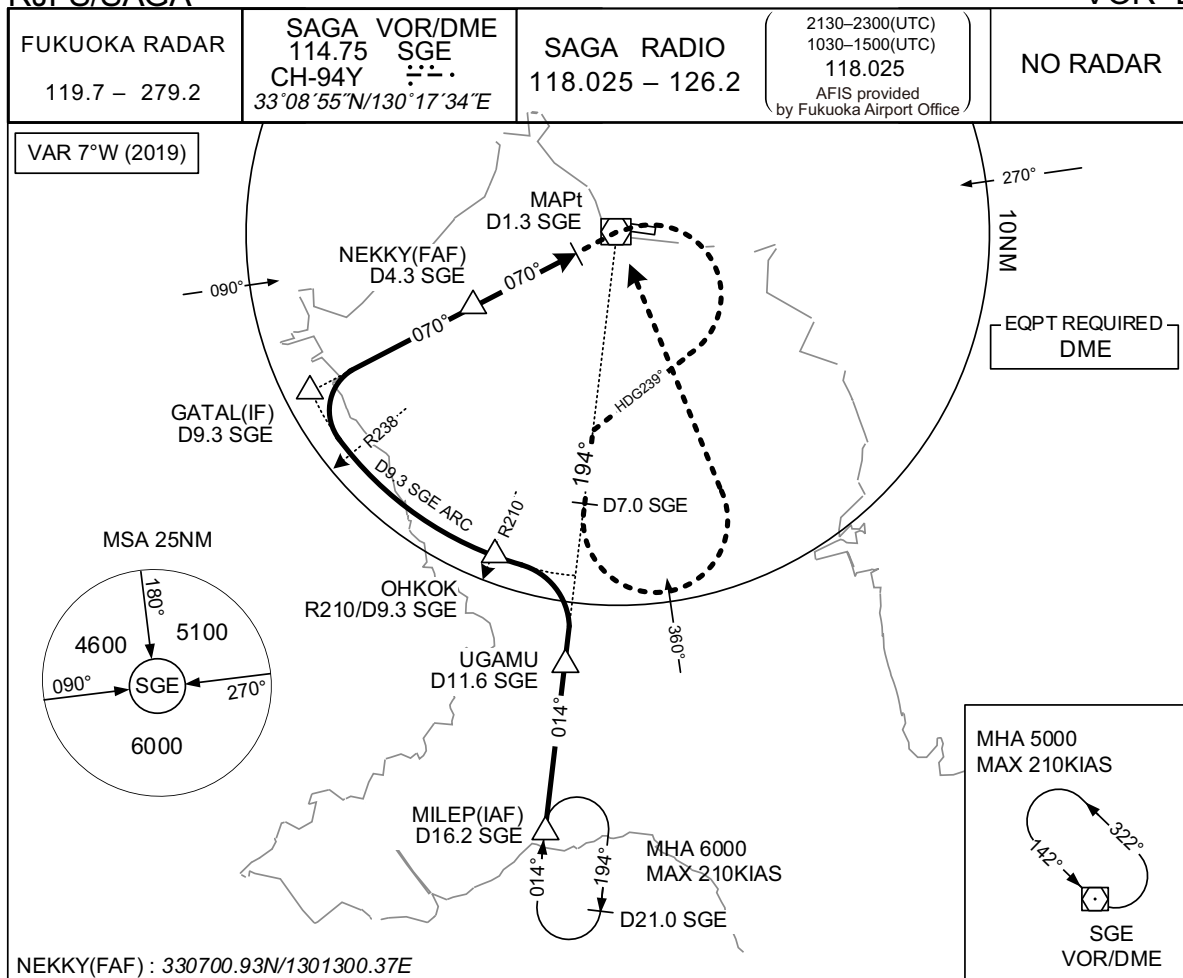


CHANGE : SAGA REMOTE deleted. AFIS unit added.

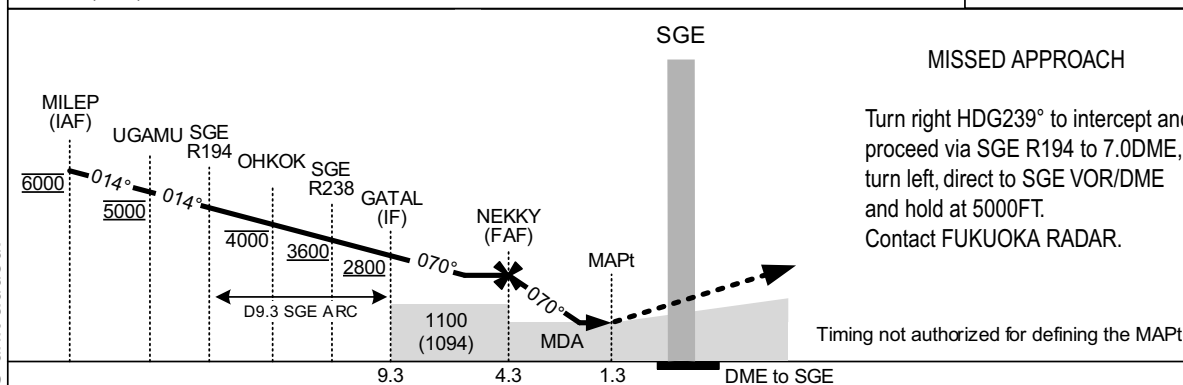
INSTRUMENT APPROACH CHART

RJFS/SAGA

VOR B



CHANGE : SAGA REMOTE deleted. AFIS unit added.



Missed APCH climb gradient MNM 5.0%

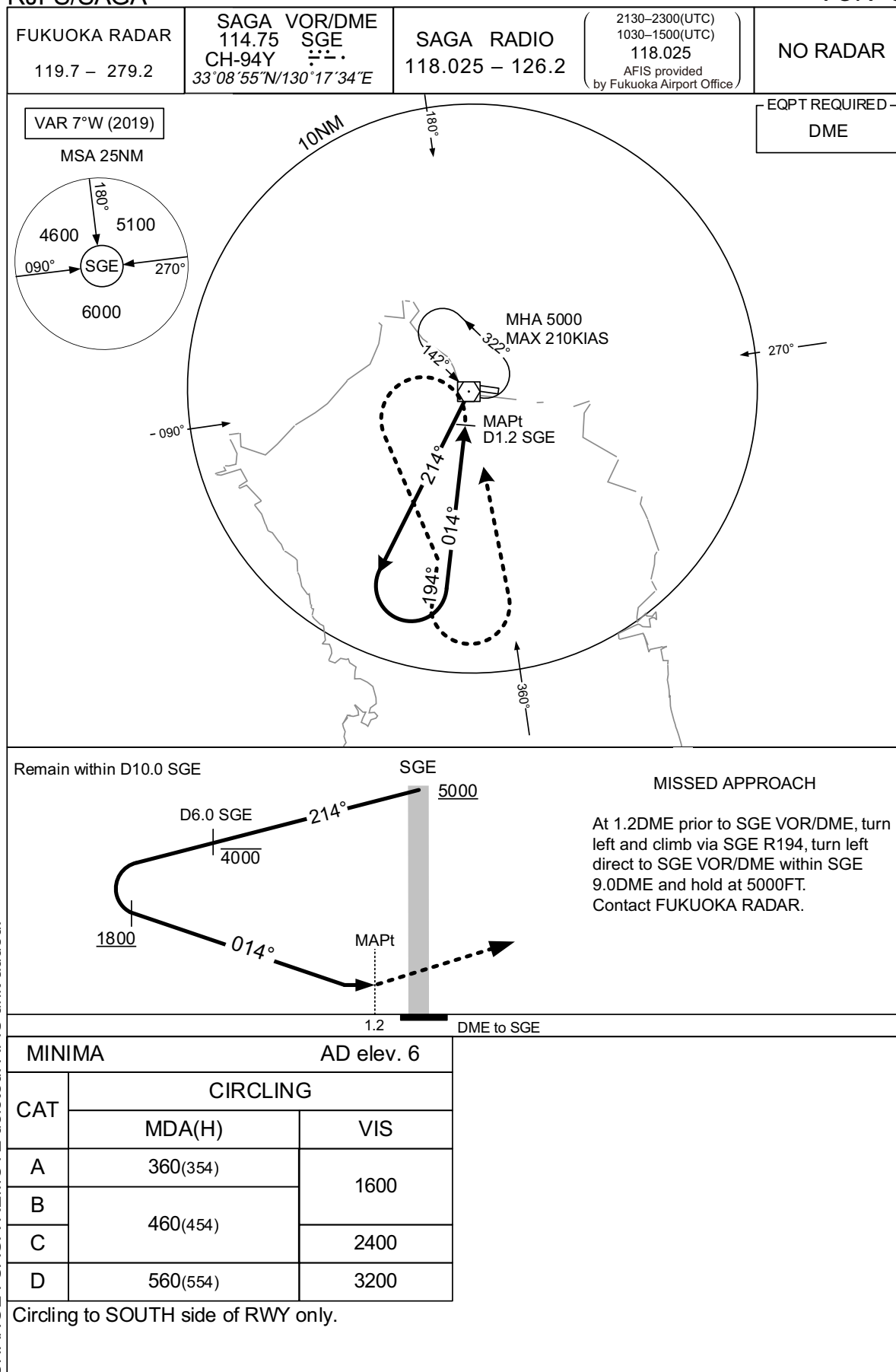
MINIMA		AD elev. 6
CAT	CIRCLING	
	MDA(H)	VIS
A	360(354)	1600
B	460(454)	
C		2400
D	560(554)	3200

Circling to SOUTH side of RWY only.

INSTRUMENT APPROACH CHART

RJFS/SAGA

VOR C



CHANGE : SAGA REMOTE deleted. AFIS unit added.

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

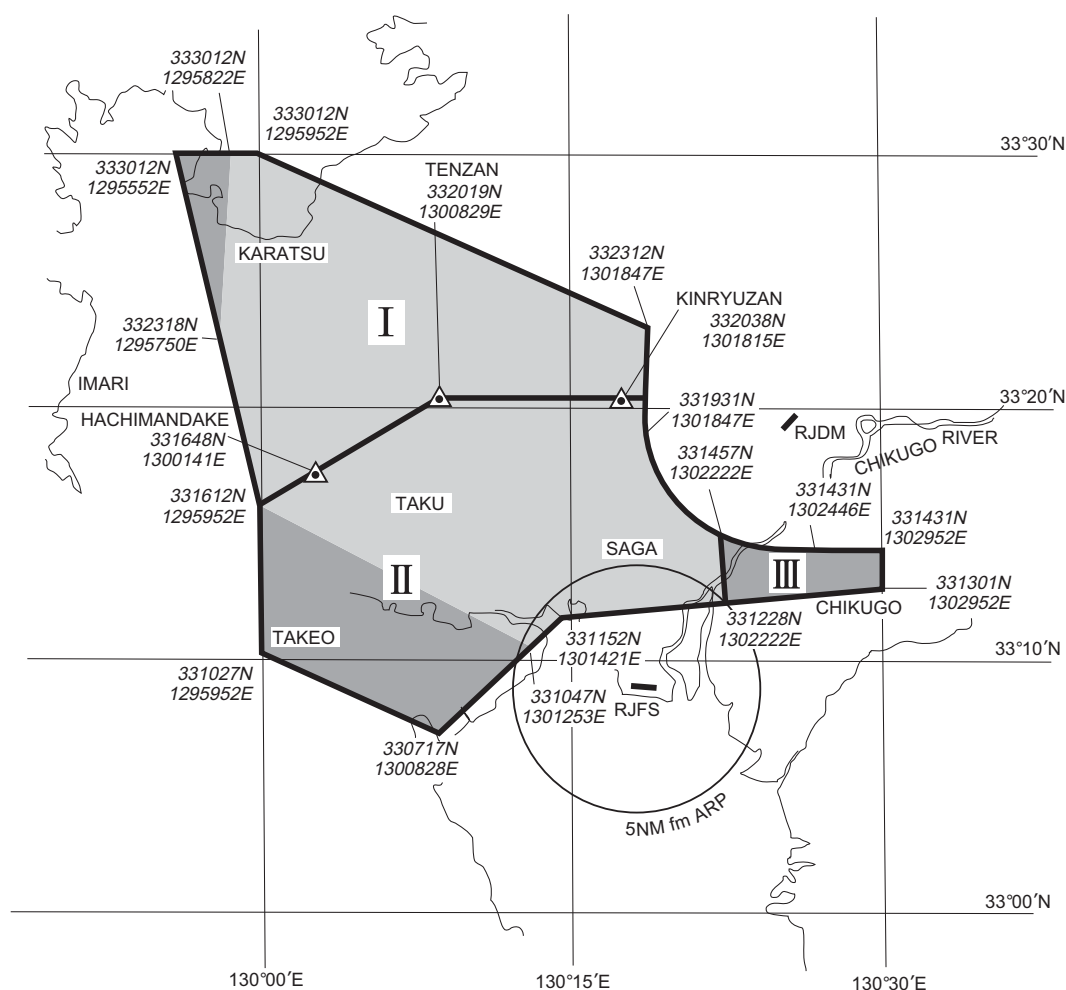
RJFS / SAGA

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.

RJFS / SAGA

Minimum Vectoring Altitude CHART

