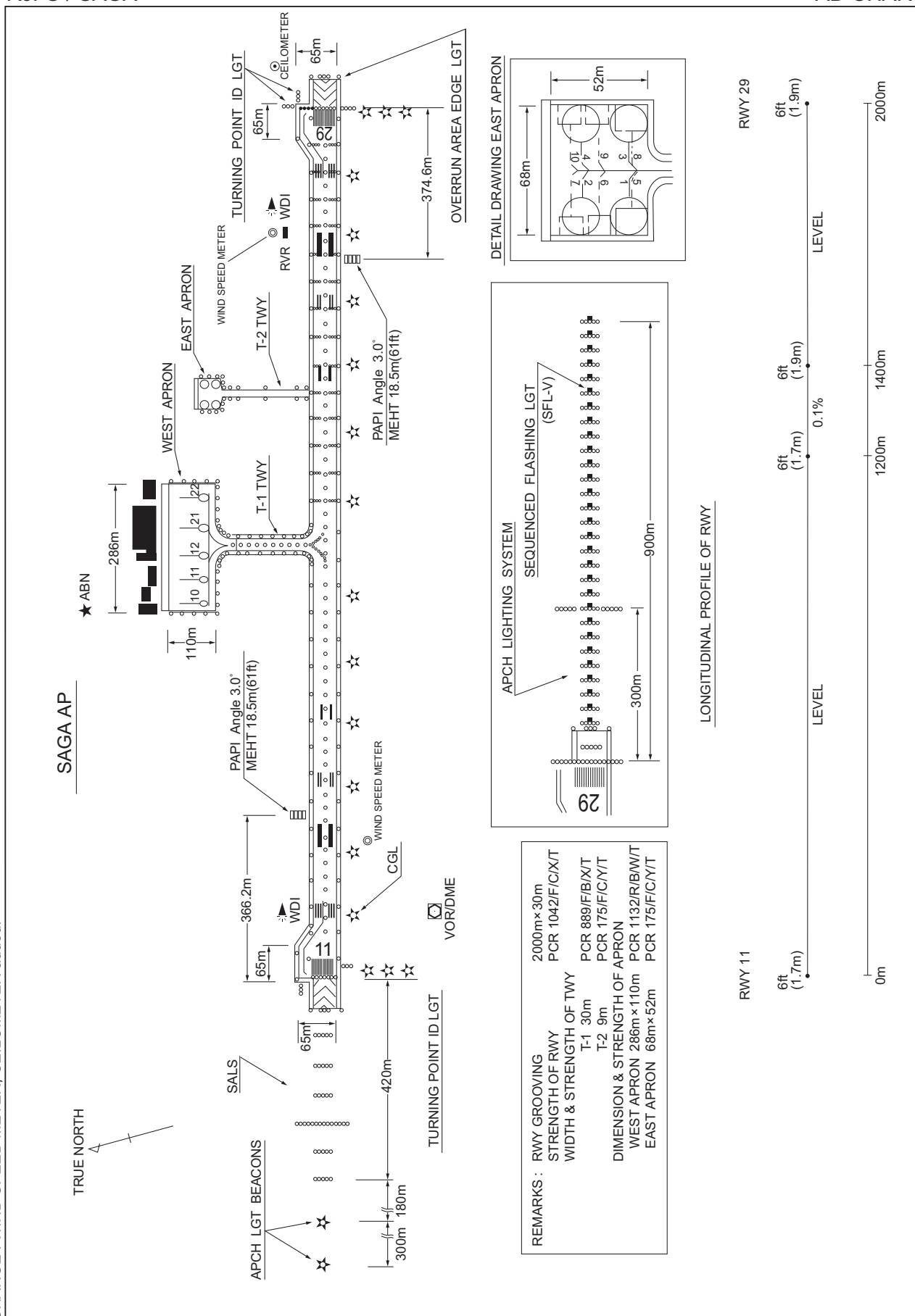


AD CHART



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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

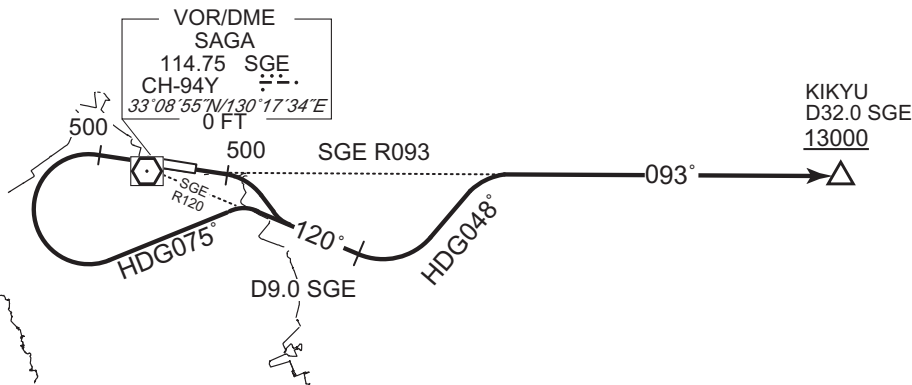
RJFS / SAGA

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.



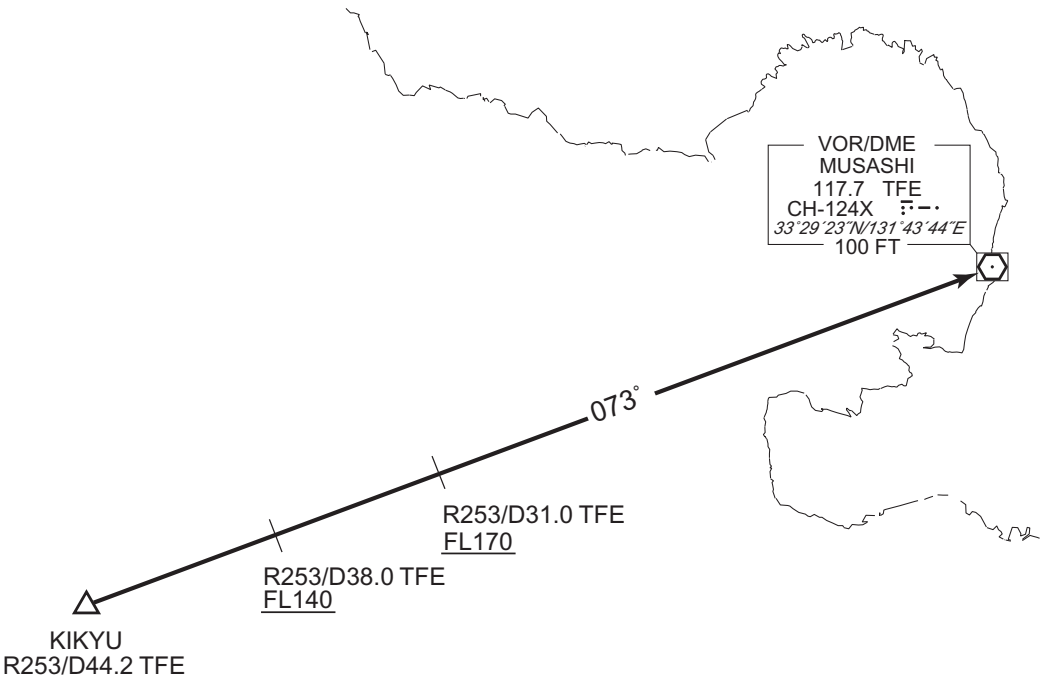
CHANGE : Description of PROC name.

STANDARD DEPARTURE CHART - INSTRUMENT

RJFS / SAGA

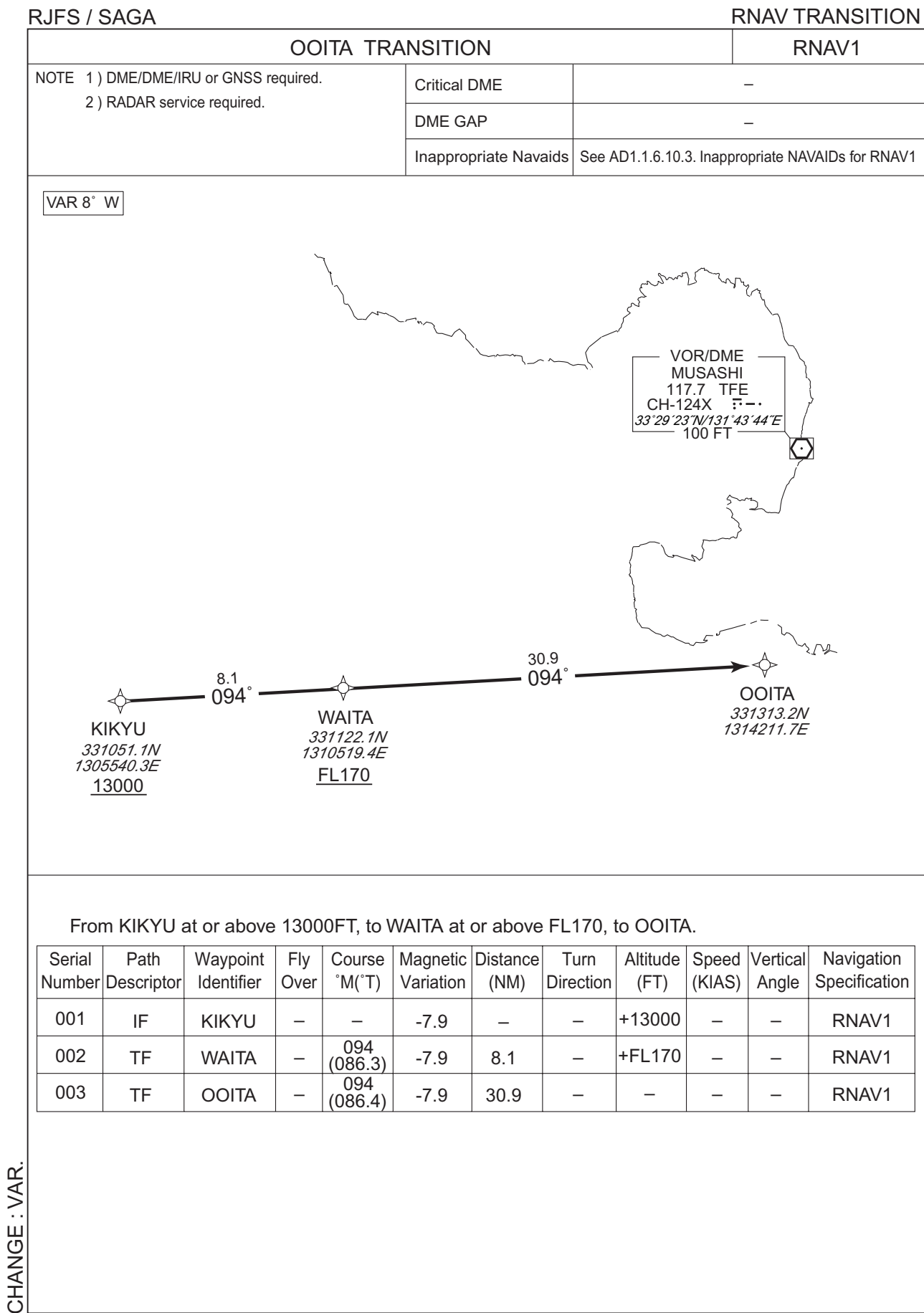
TRANSITION

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.



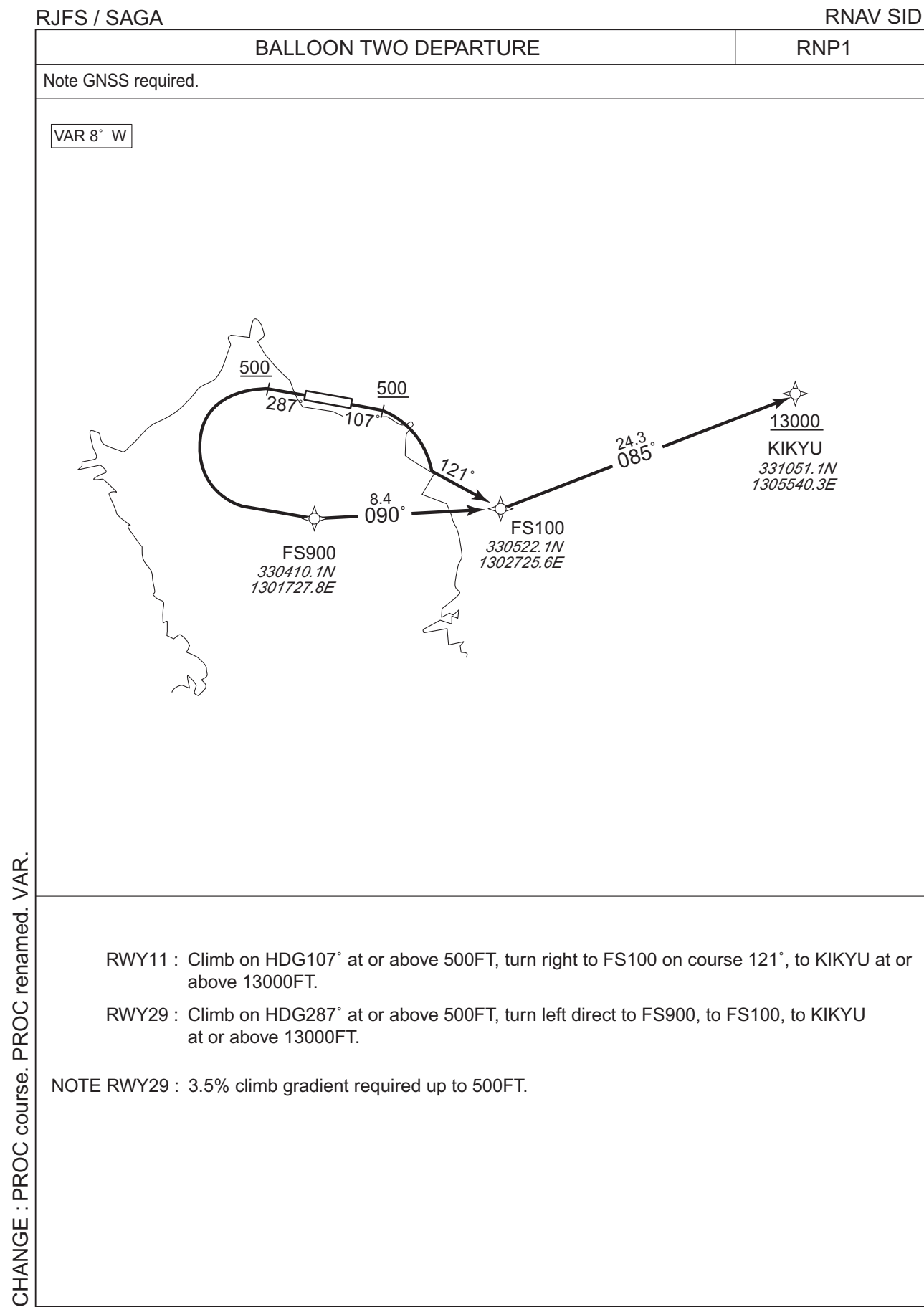
CHANGE : Description of PROC name.

STANDARD DEPARTURE CHART - INSTRUMENT



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STANDARD DEPARTURE CHART - INSTRUMENT



STANDARD DEPARTURE CHART - INSTRUMENT

RJFS / SAGA

RNAV SID

BALLOON TWO DEPARTURE

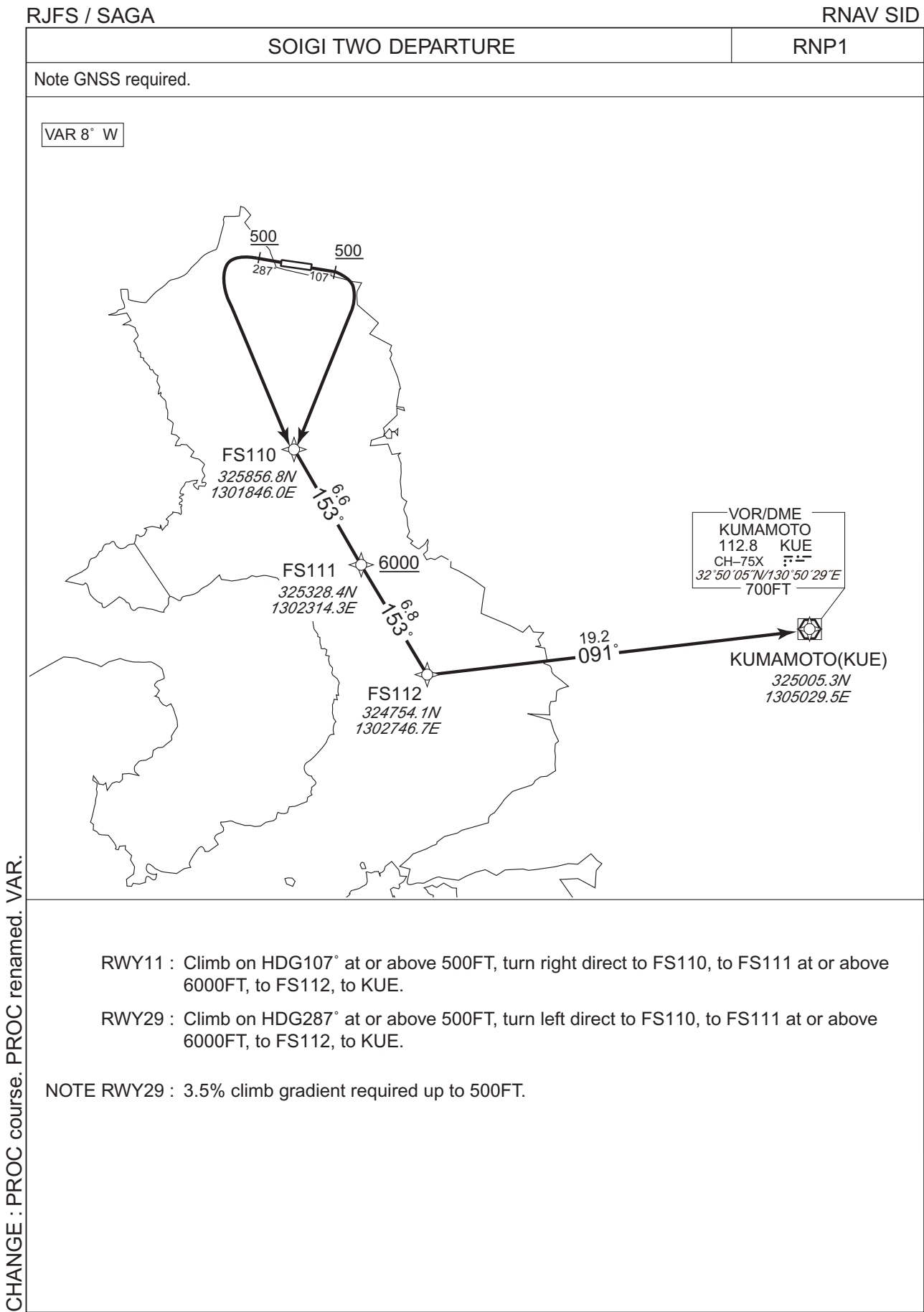
RWY11

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

STANDARD DEPARTURE CHART - INSTRUMENT



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

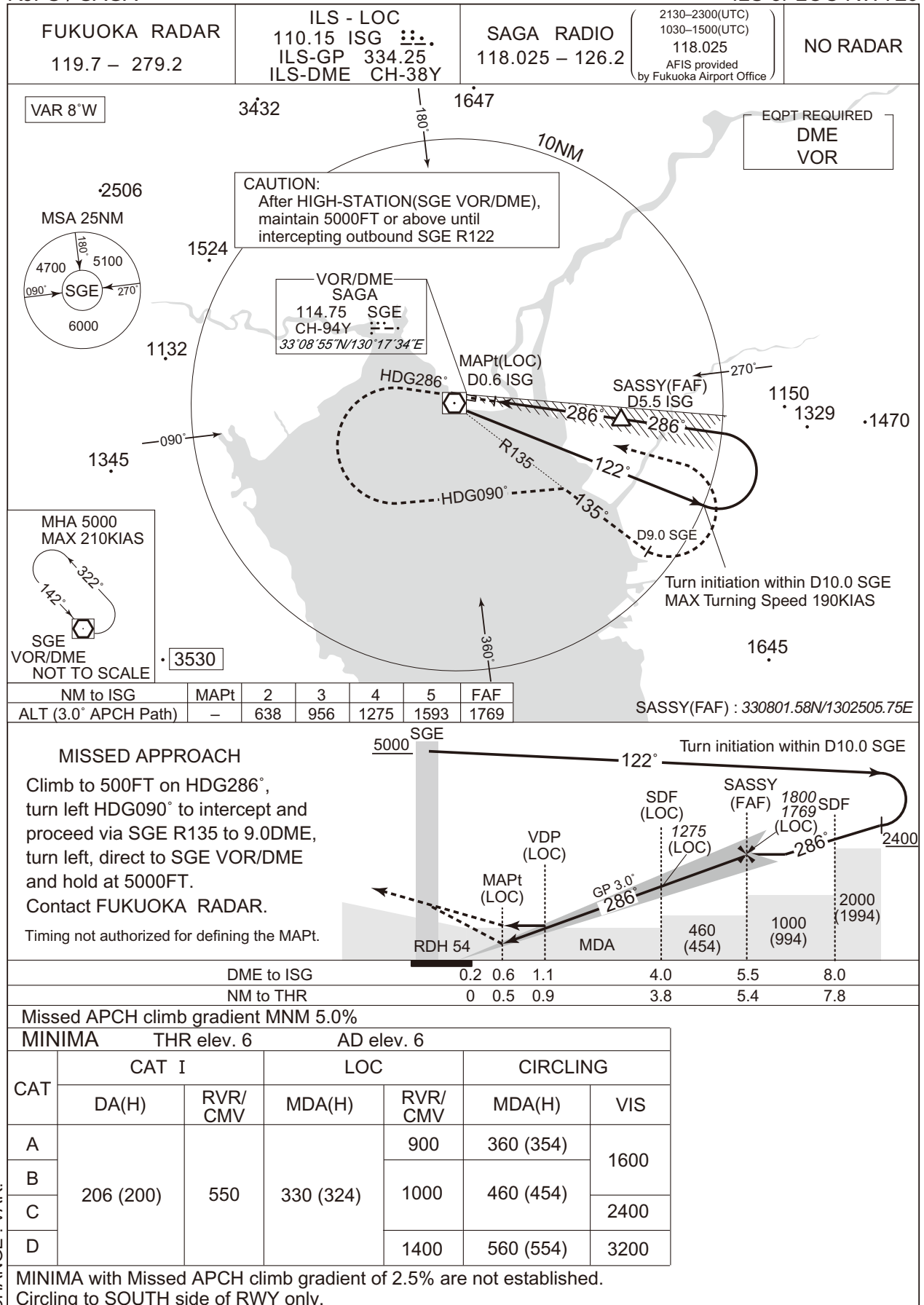


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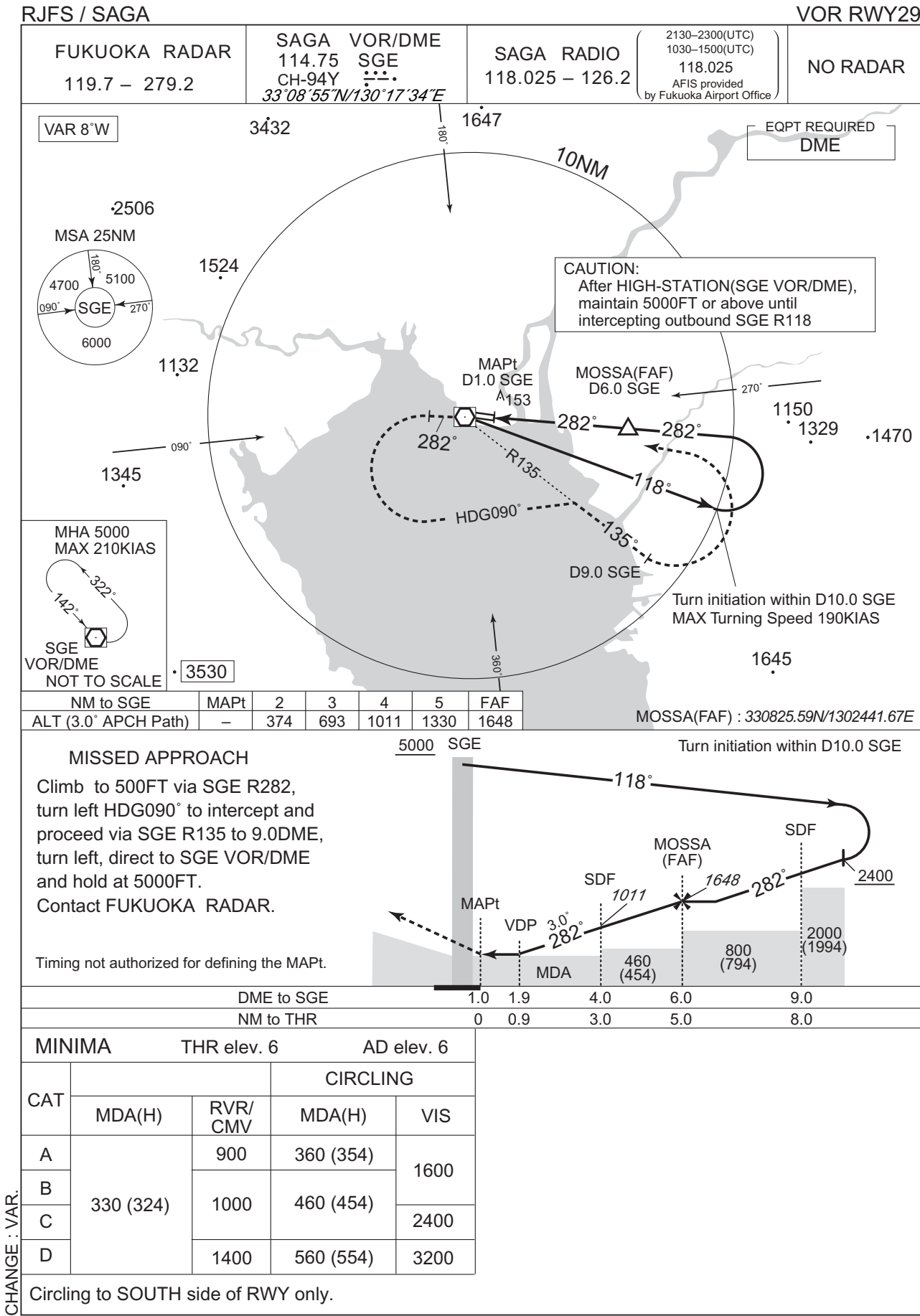
INSTRUMENT APPROACH CHART

RJFS / SAGA

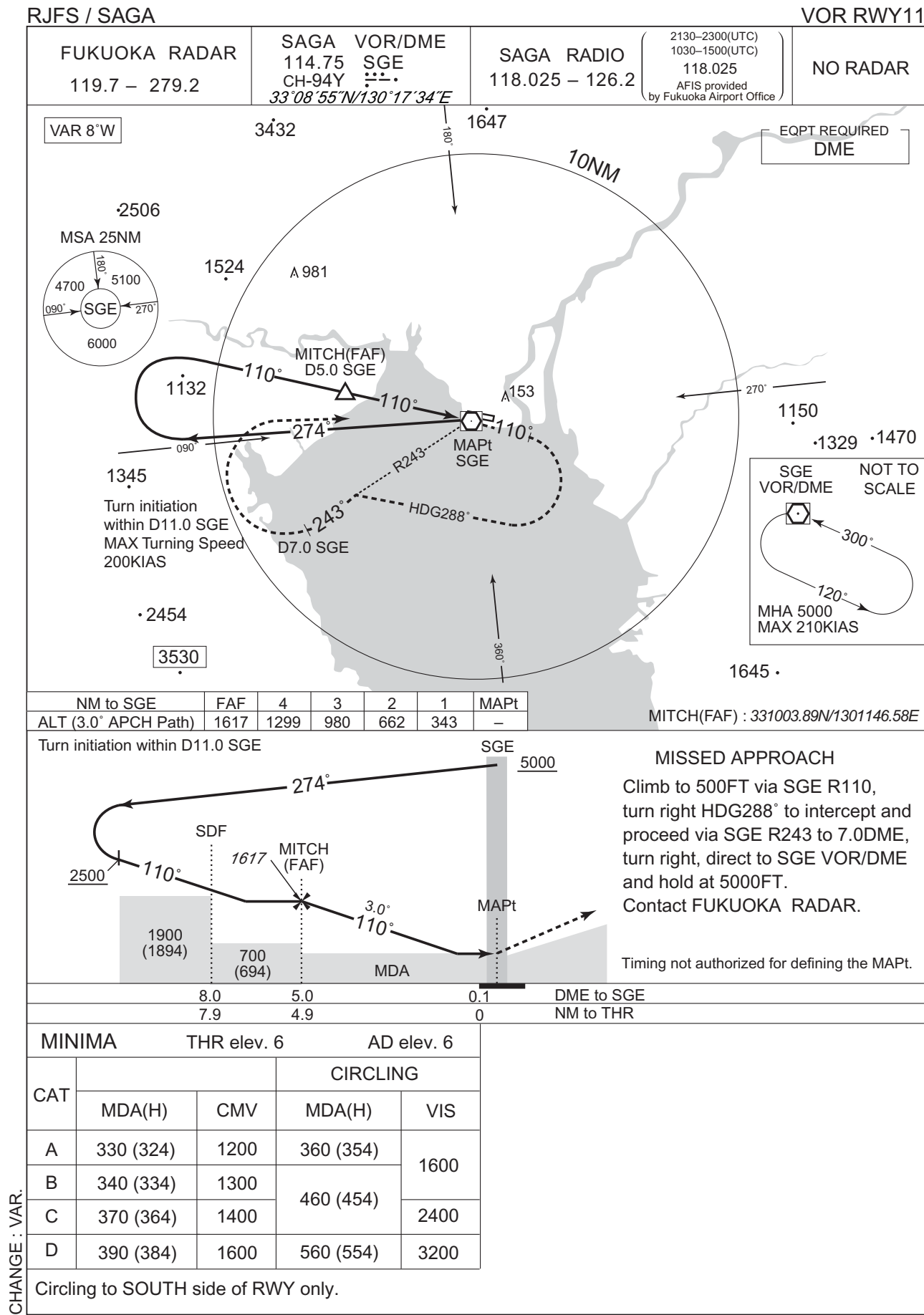
ILS or LOC RWY29



INSTRUMENT APPROACH CHART

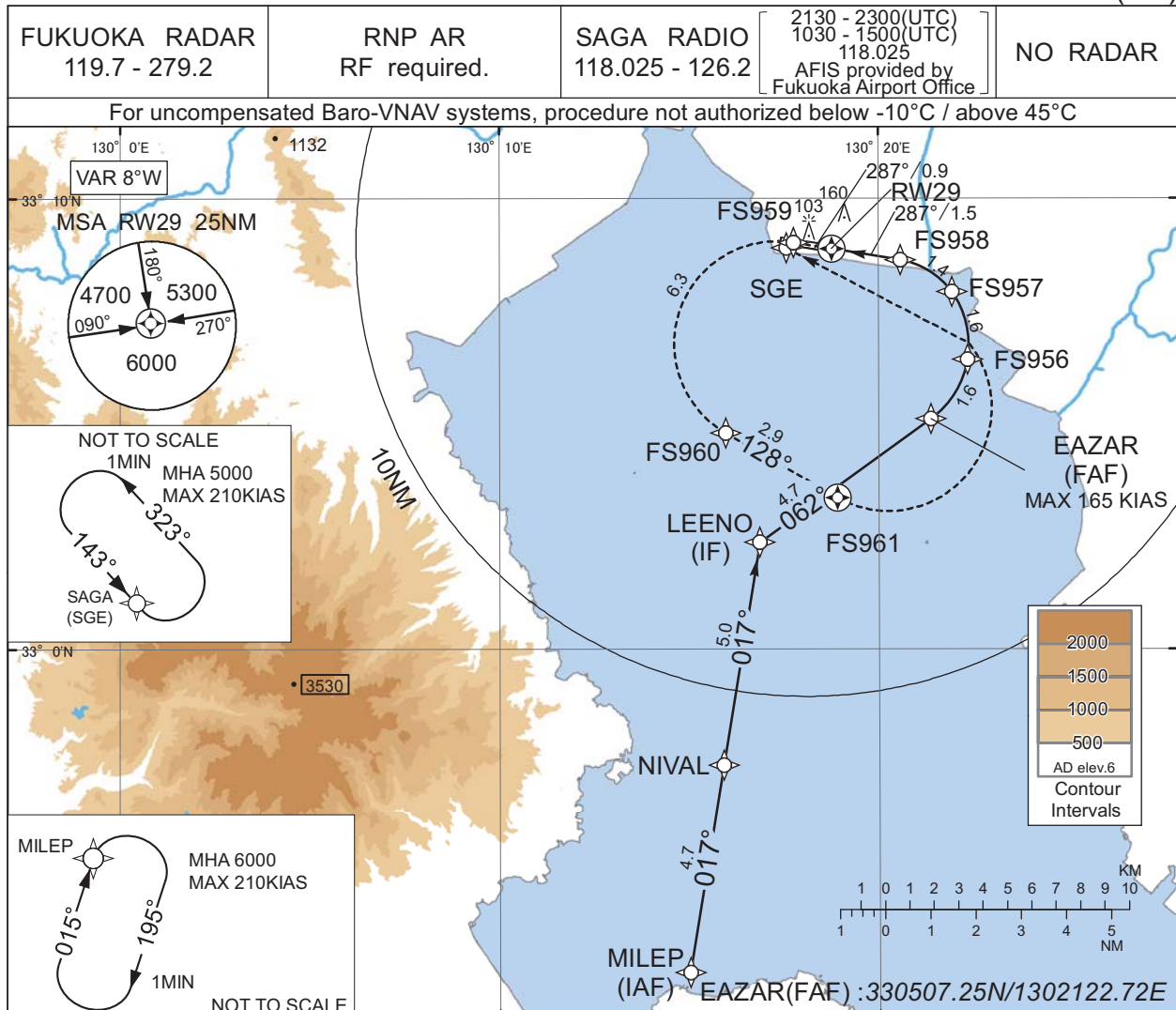


INSTRUMENT APPROACH CHART

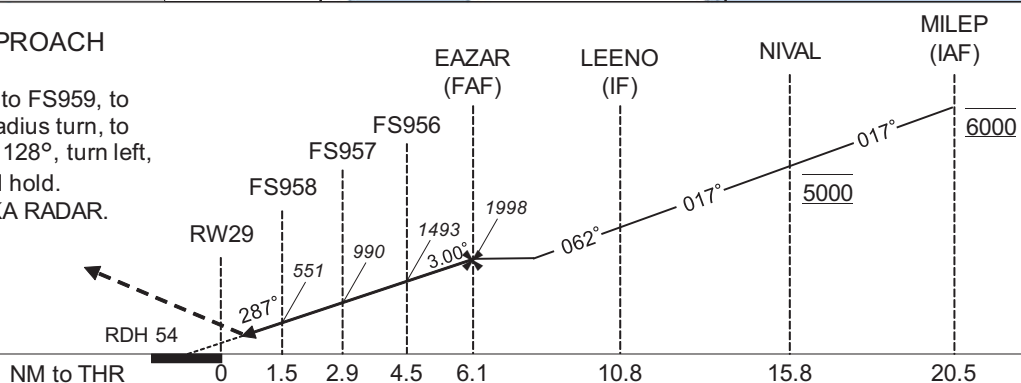


RJFS / SAGA

RNP RWY29(AR)



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.



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

CHANGE : Missed APCH Course.

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

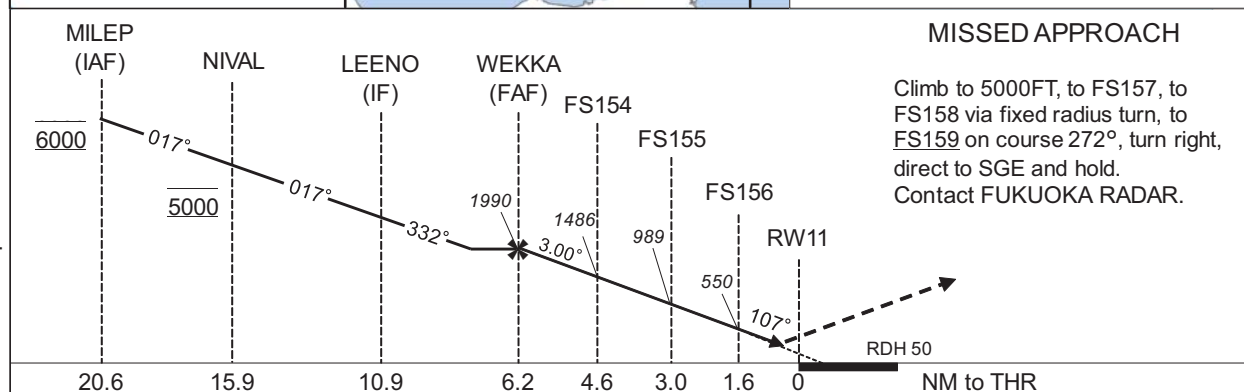
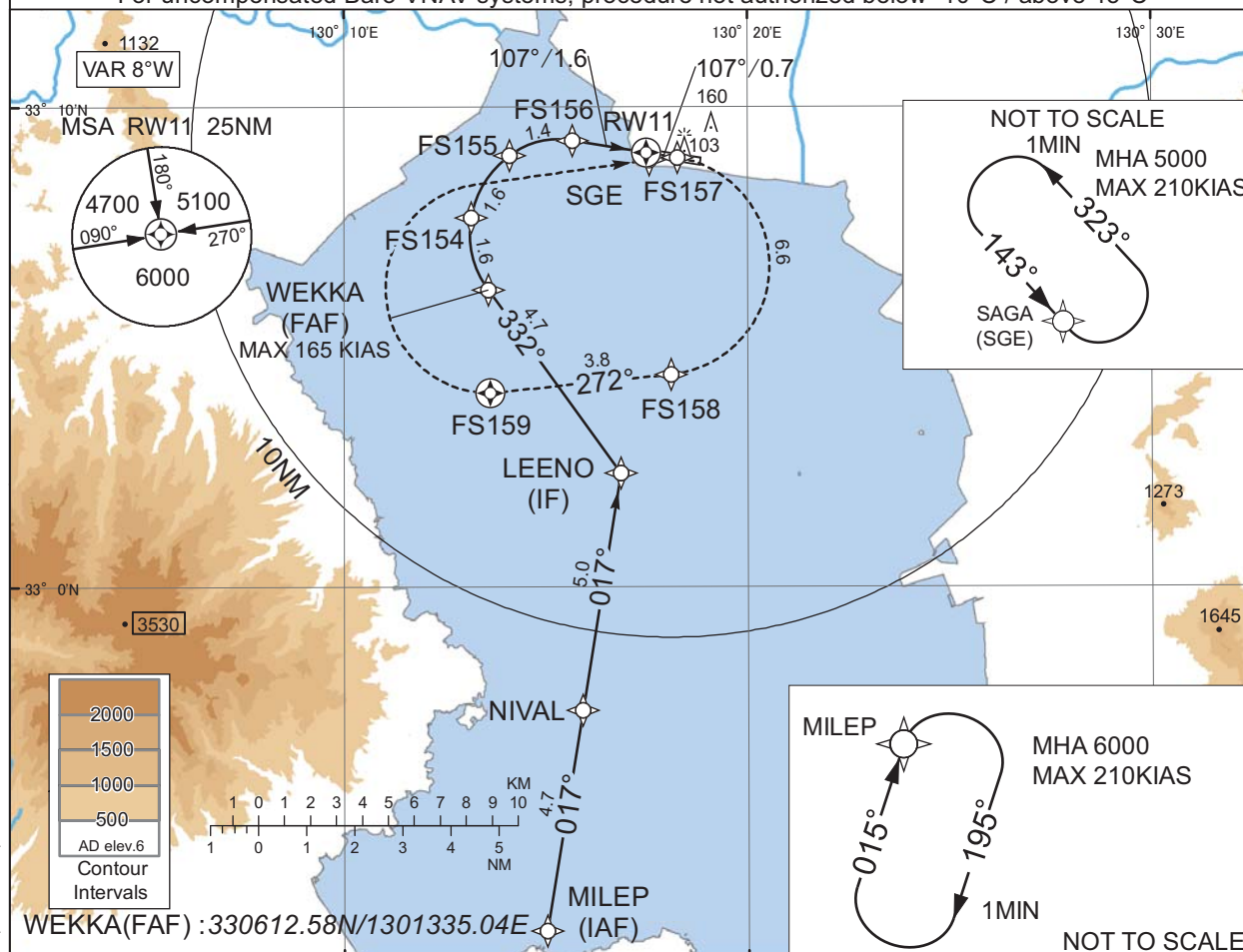
Waypoint Coordinates			
Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
MILEP	325250.49N / 1301501.22E	FSRF8	330645.72N / 1301958.78E
NIVAL	325726.55N / 1301554.33E	FSRF9	330646.63N / 1302001.15E
LEENO	330223.31N / 1301651.53E	FSRF0	330654.73N / 1302014.52E
EAZAR	330507.25N / 1302122.72E	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		

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



Missed APCH climb gradient MNM 5.0%

MINIMA				
THR elev. 6		AD elev. 6		
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.

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

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		

RJFS/SAGA

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

VAR 8°W

EQPT REQUIRED
DME

MHA 5000
MAX 210KIAS

NOT TO SCALE

MISSED APPROACH

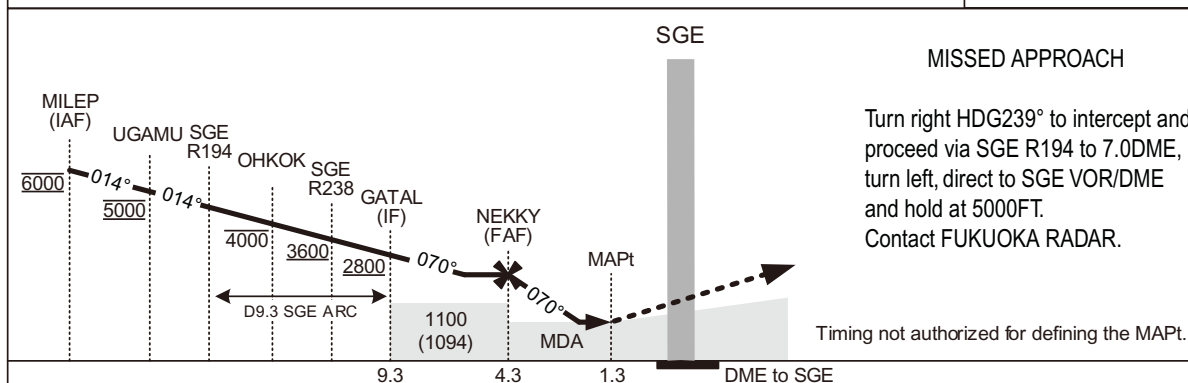
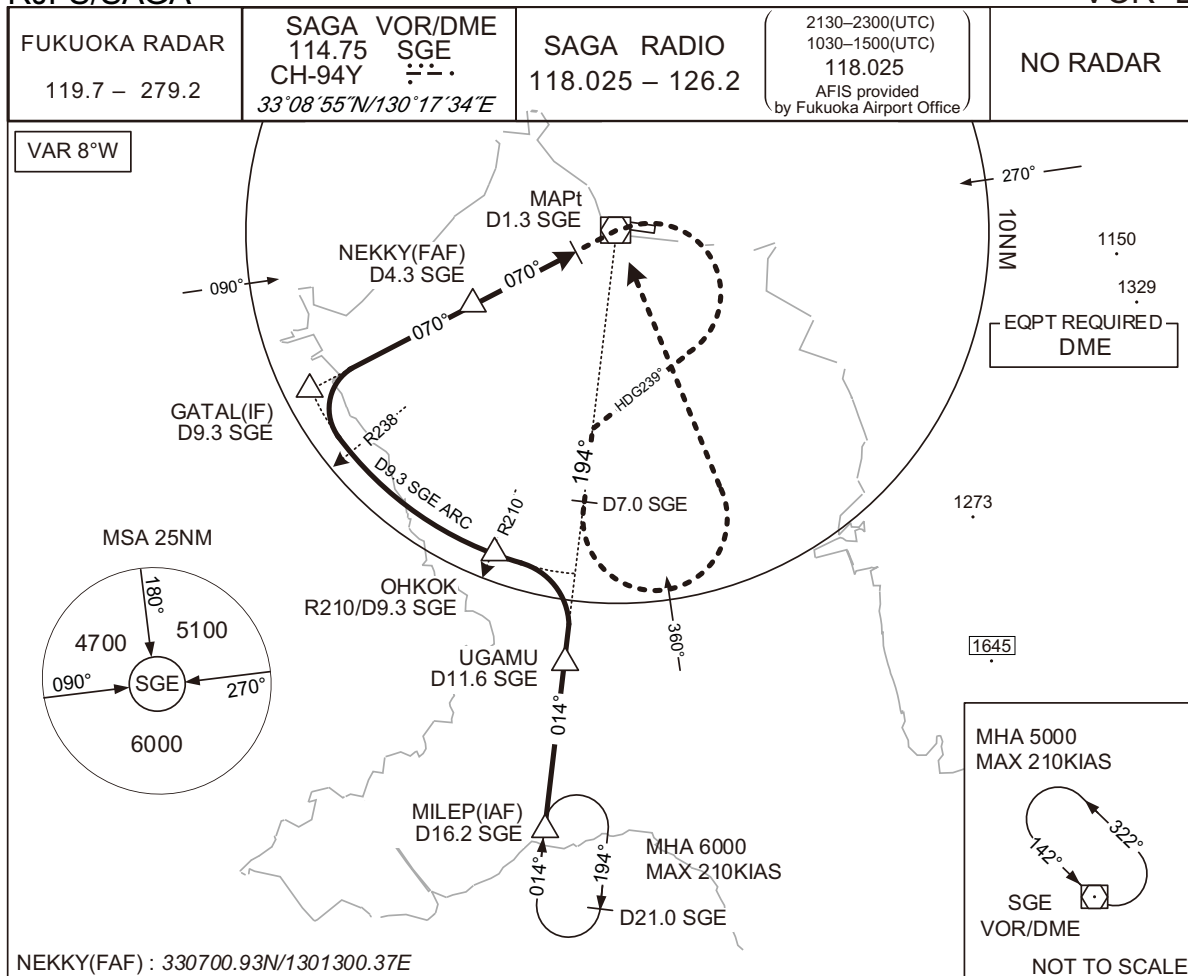
At 1.2DME prior to SGE VOR/DME, turn left and climb via SGE R194, turn left direct to SGE VOR/DME within SGE 9.0DME and hold at 5000FT. Contact FUKUOKA RADAR.

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.

RJFS/SAGA

VOR B



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

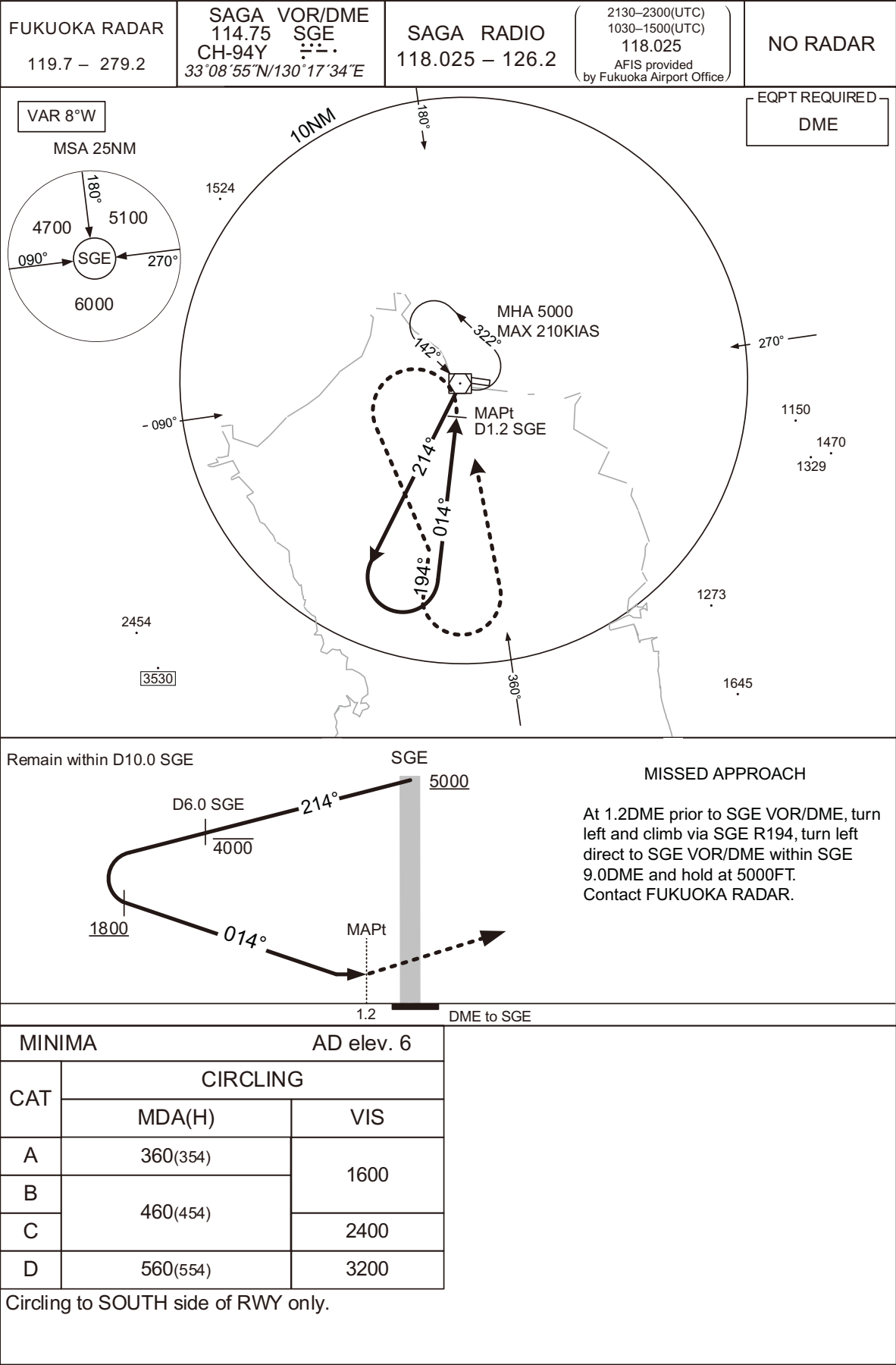
Circling to SOUTH side of RWY only.

CHANGE : VAR.

INSTRUMENT APPROACH CHART

RJFS/SAGA

VOR C



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

