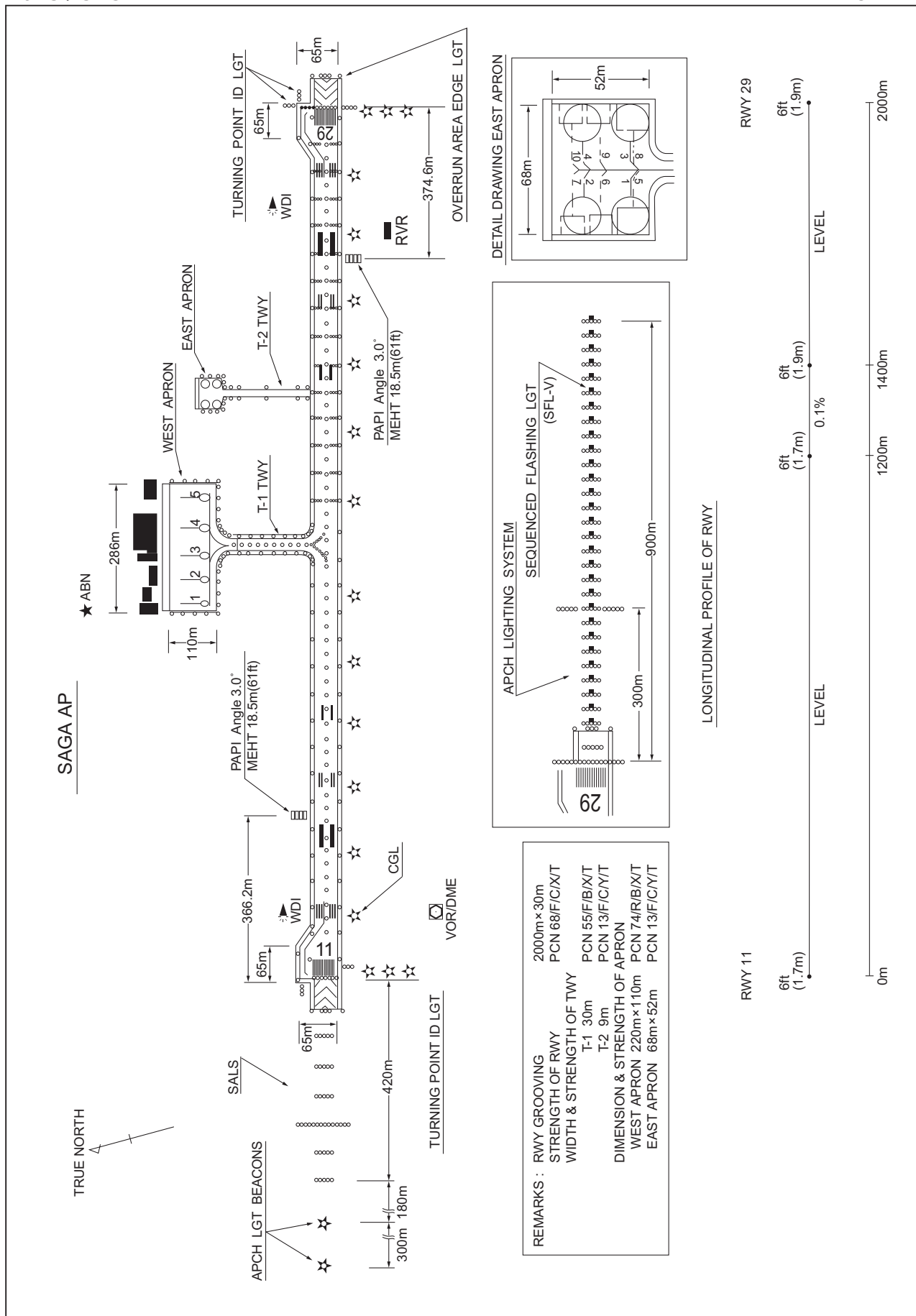


RJFS / SAGA

AD CHART



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 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.



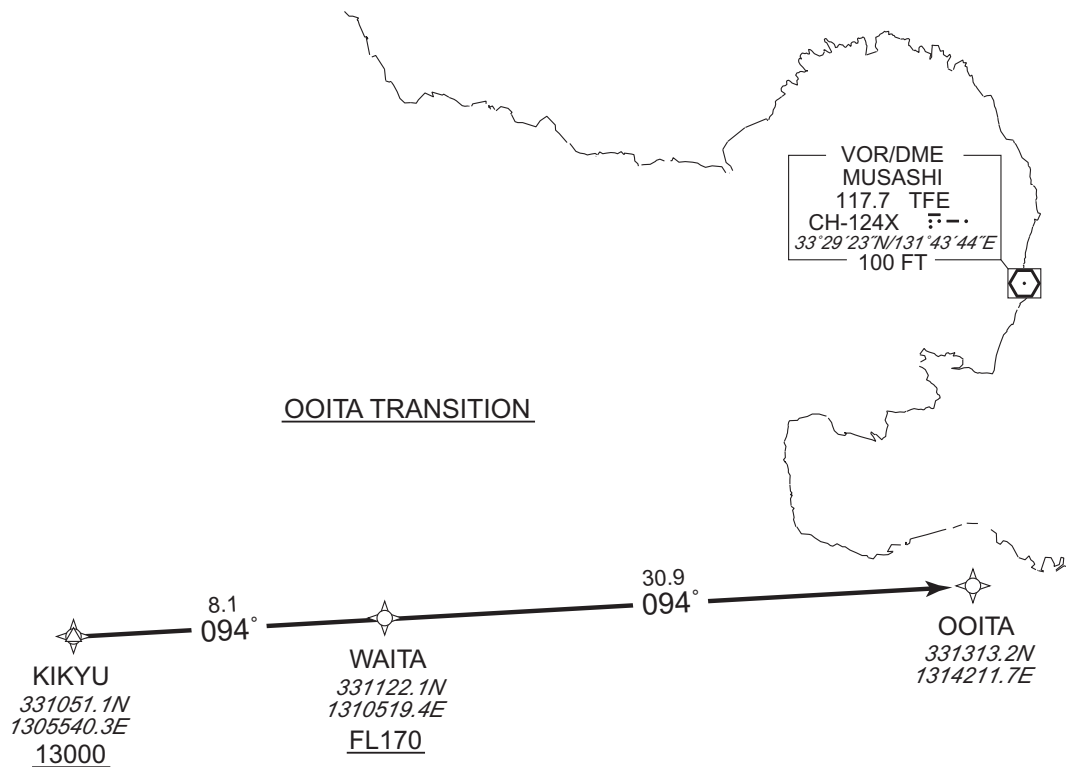
STANDARD DEPARTURE CHART - INSTRUMENT

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

INTENTIONALLY LEFT BLANK

STANDARD DEPARTURE CHART - INSTRUMENT



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

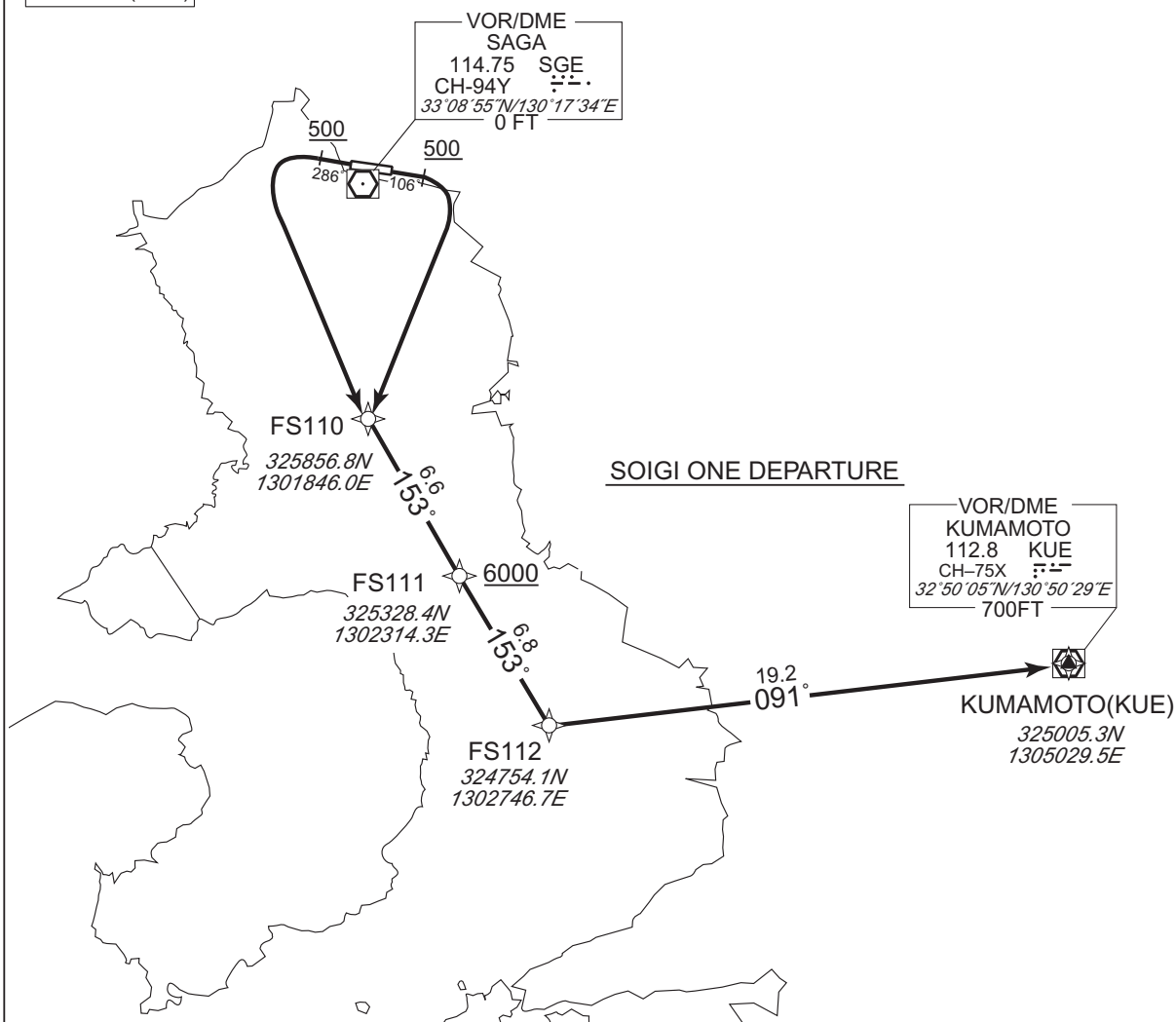
RNAV SID

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

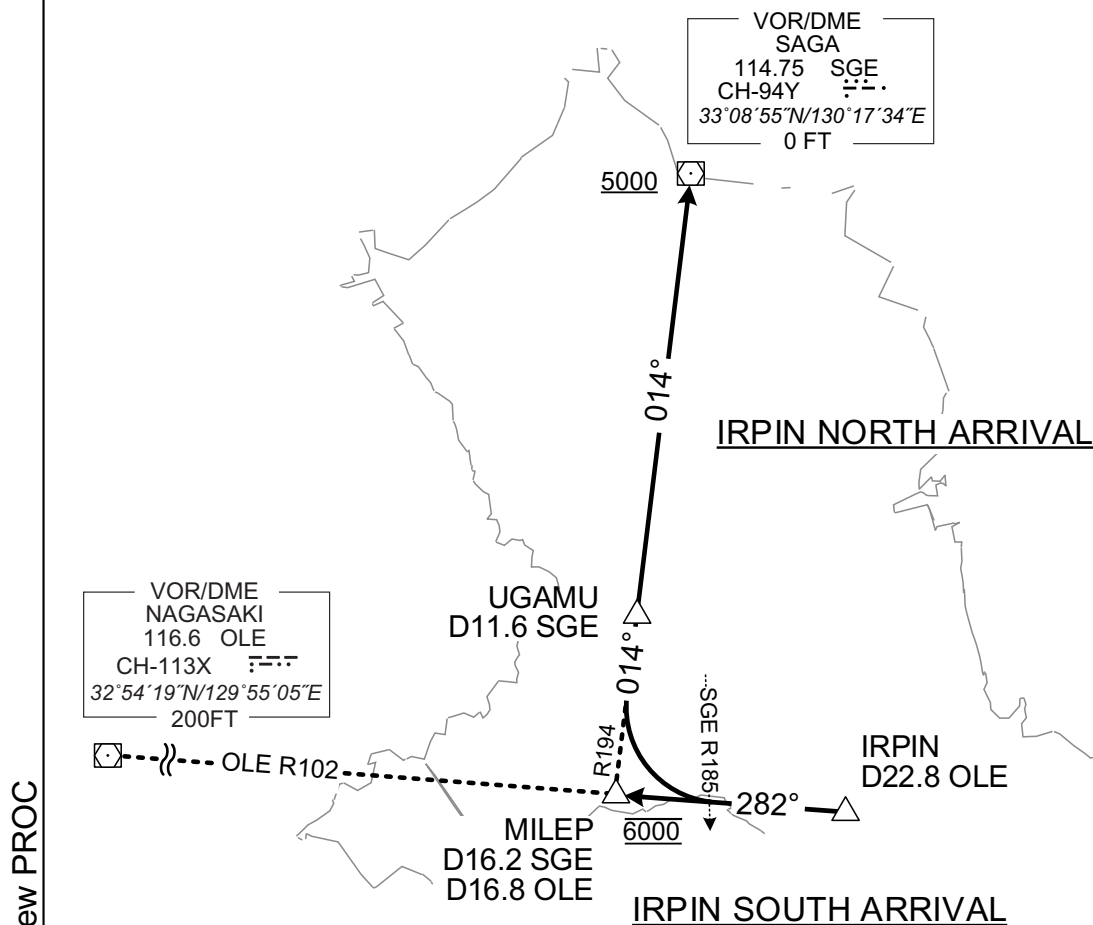
From over IRPIN, via OLE R102 to MILEP, via SGE R194 to SGE VOR/DME via UGAMU.

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.



INTENTIONALLY LEFT BLANK

CHANGE : ATC callsign changed (FUKUOKA DEP→FUKUOKA RADAR). ATC FREQ changed.

ILS or LOC RWY29



INSTRUMENT APPROACH CHART

RJFS / SAGA

VOR RWY29

FUKUOKA RADAR
119.7 – 279.2SAGA VOR/DME
114.75 SGE
CH-94Y
33°08'55"N/130°17'34"ESAGA RADIO
118.025 – 126.2
(2130–2300(UTC)
1030–1500
SAGA REMOTE
118.025

NO RADAR

VAR 7°W (2014)

3431

1647

EQPT REQUIRED
DME

1328

•1194

MSA 25NM



1703

1122

1345

MHA 5000
MAX 210KIAS

•3529

CAUTION:
After HIGH-STATION(SGE VOR/DME),
maintain 5000FT or above until
intercepting outbound SGE R118MOSSA(FAF)
D6.0 SGE

204

282°

282°

118°

135°

D9.0 SGE

Turn initiation within D10.0 SGE
MAX Turning Speed 190KIAS

1643

1643

1643

1643

1643

1643

1643

1643

1643

1643

1643

1643

1643

1643

1643

1643

1643

1643

1643

1643

1643

1643

1643

1643

1643

1643

1643

1643

1643

1643

1643

1643

1643

1643

1643

1643

1643

1643

1643

1643

1643

1643

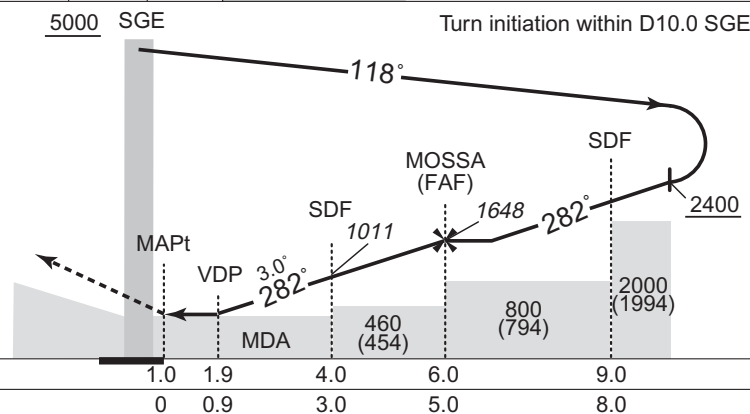
1643

1643

MISSED APPROACH

Climb to 500FT via SGE R282,
turn left HDG090° to intercept and
proceed via SGE R135 to 9.0DME,
turn left, direct to SGE VOR/DME
and hold at 5000FT.
Contact FUKUOKA RADAR.

Timing not authorized for defining the MAPt.



DME to SGE

NM to THR

1.0

0

0.9

3.0

5.0

8.0

9.0

10.0

11.0

12.0

13.0

14.0

15.0

16.0

17.0

18.0

19.0

20.0

21.0

22.0

23.0

24.0

MINIMA

THR elev. 6

AD elev. 6

CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	320 (314)	900	360 (354)	1600
B		1000	460 (454)	
C				2400
D		1400	560 (554)	3200

Circling to SOUTH side of RWY only.

CHANGE : ATC callsign changed (FUKUOKA DEP→FUKUOKA RADAR). ATC FREQ changed.

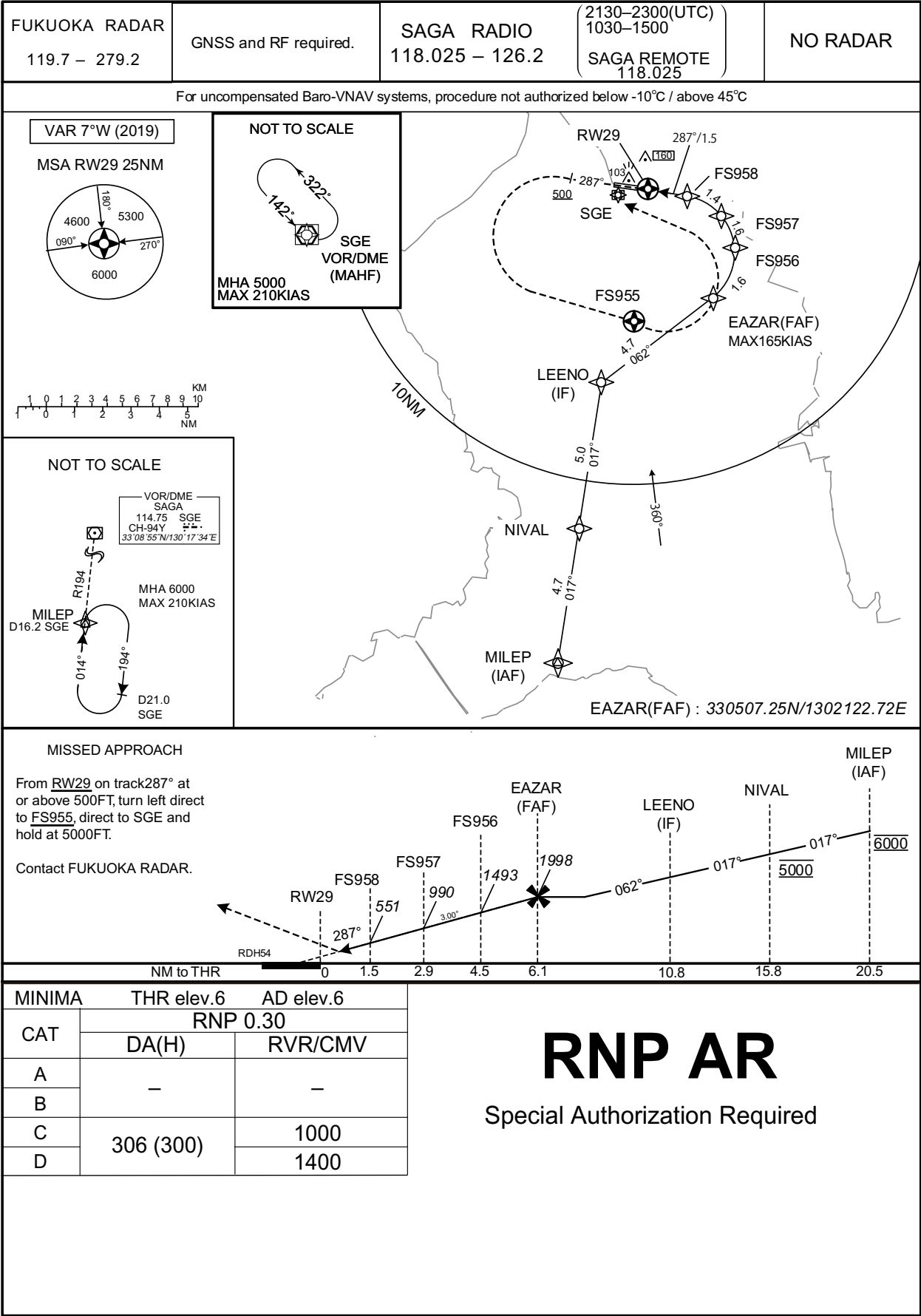
INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJFS / SAGA

RNAV(RNP) RWY29



CHANGE : ATC callsign changed (FUKUOKA DEP→FUKUOKA RADAR). ATC FREQ changed.

INSTRUMENT APPROACH CHART

RJFS / SAGA

RNAV(RNP) RWY29

RNAV(RNP) RWY29Coding 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: Update

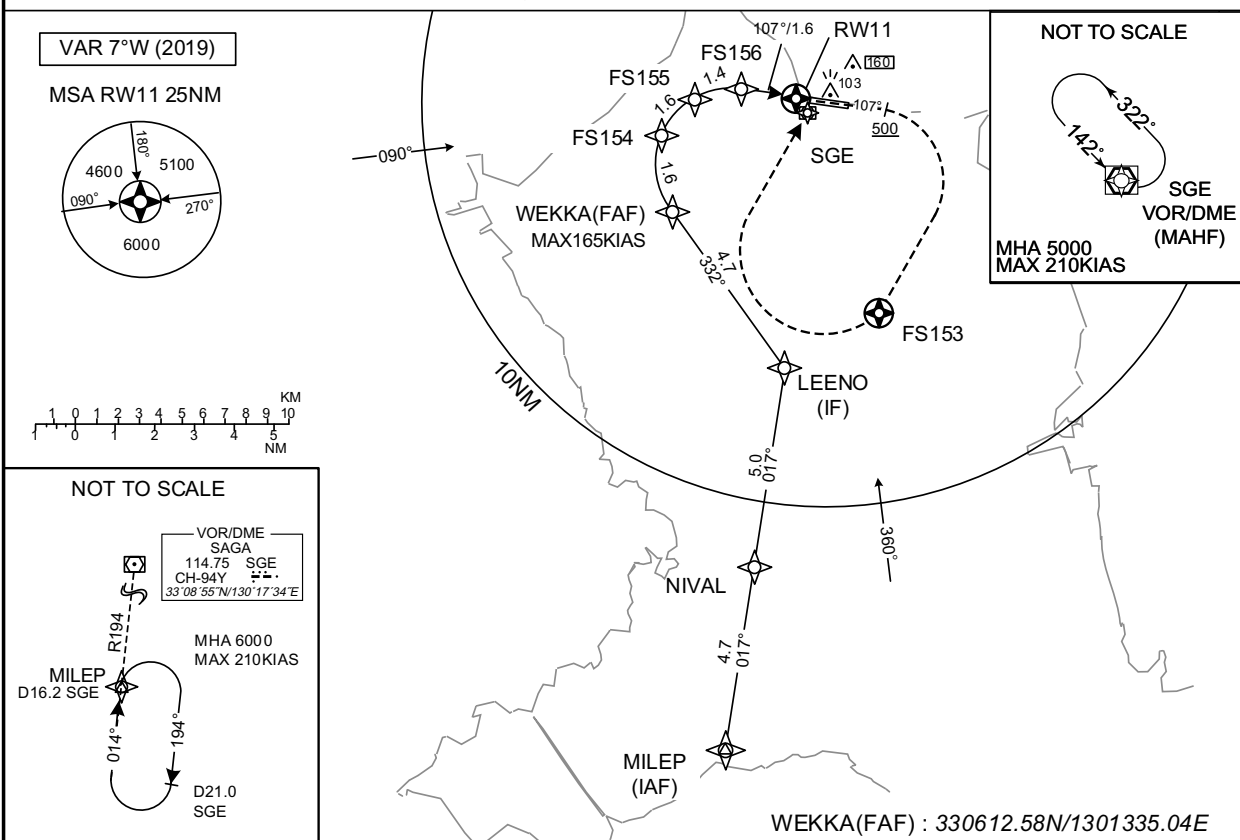
INSTRUMENT APPROACH CHART

RJFS / SAGA

RNAV(RNP) RWY11

FUKUOKA RADAR 119.7 – 279.2	GNSS and RF required.	SAGA RADIO 118.025 – 126.2	(2130–2300(UTC) 1030–1500 SAGA REMOTE 118.025	NO RADAR
--------------------------------	-----------------------	-------------------------------	--	----------

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



Missed APCH climb gradient MNM 3.0%

MINIMA	THR elev.6	AD elev.6
CAT	RNP 0.30	
	DA(H)	CMV
A	—	—
B	—	—
C	306 (300)	1400
D	—	1600

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

RNP AR

Special Authorization Required

CHANGE : ATC callsign changed (FUKUOKA DEP→FUKUOKA RADAR). ATC FREQ changed.

INSTRUMENT APPROACH CHART

RJFS / SAGA

RNAV(RNP) RWY11

RNAV(RNP) RWY11Coding 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: Update

INSTRUMENT APPROACH CHART

RJFS/SAGA

VOR A



INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJFS/SAGA

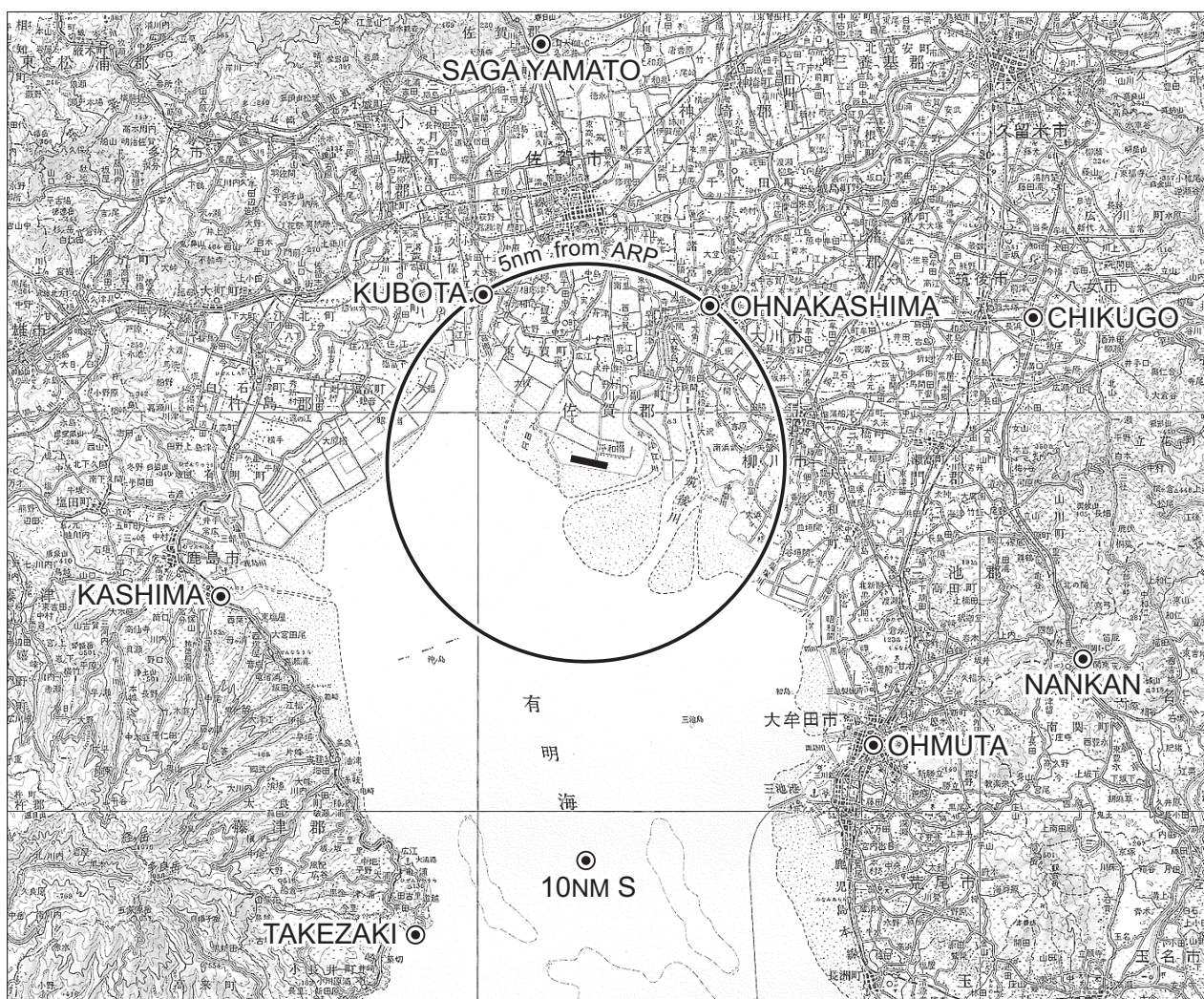
VOR C



CHANGE : ATC callsign changed (FUKUOKA DEP→FUKUOKA RADAR). ATC FREQ changed.

RJFS / SAGA

Visual REP



Call sign	BRG / DIST from ARP	Remarks
鹿 島 Kashima	250°/ 9.9NM	新浜大橋 Bridge
竹 崎 Takezaki	199°/12.3NM	竹崎港 Harbor
大 牟 田 Ohmuta	135°/10.1NM	JR大牟田駅 Station
筑 後 Chikugo	071°/11.8NM	八女インターチェンジ Interchange
大 中 島 Ohnakashima	038°/ 5.0NM	筑後川昇開橋 Bridge
久 保 田 Kubota	329°/ 5.0NM	久保田橋 Bridge
佐 賀 大 和 Sagayamato	354°/10.5NM	佐賀大和インターチェンジ Interchange
南 関 Nankan	111°/13.2NM	南関インターチェンジ Interchange
10NM S	180°/10.0NM	海上 Over the sea

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）の提供が佐賀ディオまたは佐賀FIS-Dにより行われる。

* The information of hot air balloon (approx 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 or SAGA REMOTE.

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

CHANGE : NOTAM location (RJFF→RJFS).

RJFS / SAGA

Minimum Vectoring Altitude CHART

