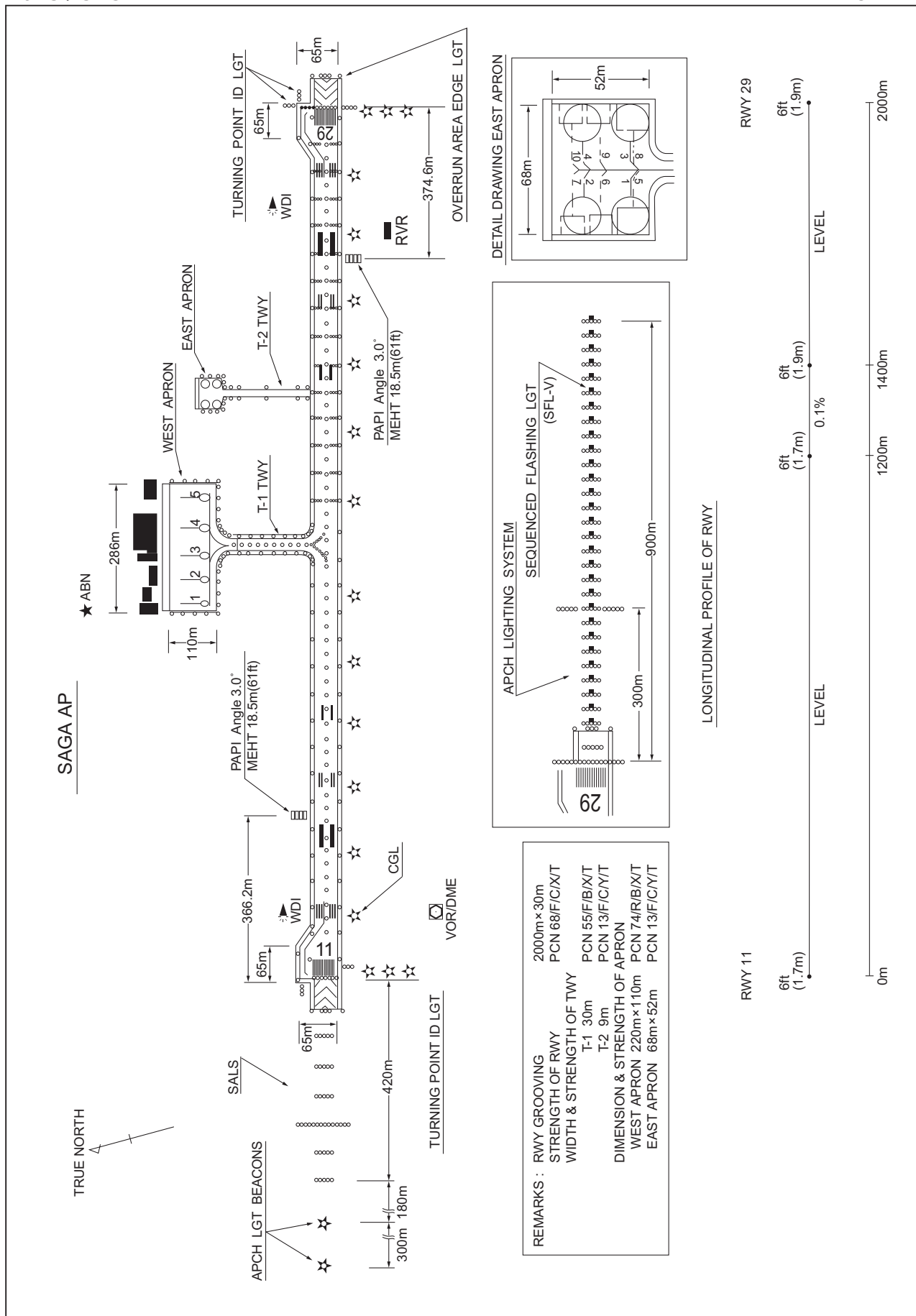


## RJFS / SAGA

## 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.



## 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.<br>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



## 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<br>(099.3) | -7.2               | —             | —              | +500          | —            | —              | Basic RNP1               |
| 002           | CF              | FS100               | —        | 120<br>(113.2) | -7.2               | —             | —              | —             | —            | —              | Basic RNP1               |
| 003           | TF              | KIKYU               | —        | 084<br>(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<br>(279.3) | -7.2               | —             | —              | +500          | —            | —              | Basic RNP1               |
| 002           | DF              | FS900               | —        | —              | -7.2               | —             | L              | —             | —            | —              | Basic RNP1               |
| 003           | TF              | FS100               | —        | 089<br>(081.8) | -7.2               | 8.4           | —              | —             | —            | —              | Basic RNP1               |
| 004           | TF              | KIKYU               | —        | 084<br>(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<br>(099.3) | -7.2               | —             | —              | +500          | —            | —              | Basic RNP1               |
| 002           | DF              | FS110               | —        | —              | -7.2               | —             | R              | —             | —            | —              | Basic RNP1               |
| 003           | TF              | FS111               | —        | 153<br>(145.5) | -7.2               | 6.6           | —              | +6000         | —            | —              | Basic RNP1               |
| 004           | TF              | FS112               | —        | 153<br>(145.6) | -7.2               | 6.8           | —              | —             | —            | —              | Basic RNP1               |
| 005           | TF              | KUE                 | —        | 091<br>(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<br>(279.3) | -7.2               | —             | —              | +500          | —            | —              | Basic RNP1               |
| 002           | DF              | FS110               | —        | —              | -7.2               | —             | L              | —             | —            | —              | Basic RNP1               |
| 003           | TF              | FS111               | —        | 153<br>(145.5) | -7.2               | 6.6           | —              | +6000         | —            | —              | Basic RNP1               |
| 004           | TF              | FS112               | —        | 153<br>(145.6) | -7.2               | 6.8           | —              | —             | —            | —              | Basic RNP1               |
| 005           | TF              | KUE                 | —        | 091<br>(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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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

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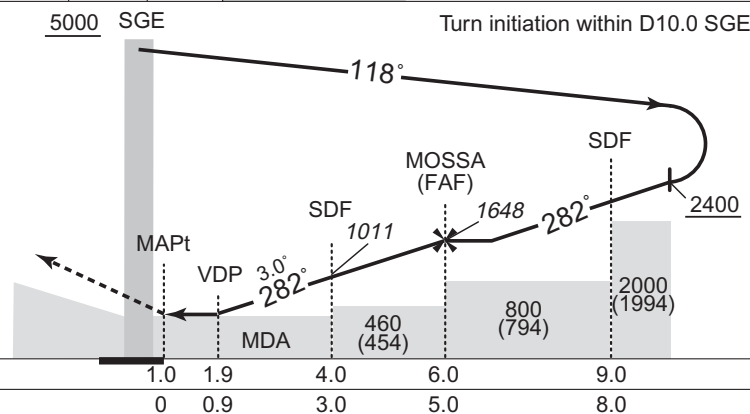
1643

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

1.9

0.9

4.0

3.0

6.0

5.0

9.0

8.0

MINIMA

THR elev. 6

AD elev. 6

| CAT |           |             | CIRCLING  |      |
|-----|-----------|-------------|-----------|------|
|     | MDA(H)    | RVR/<br>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

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

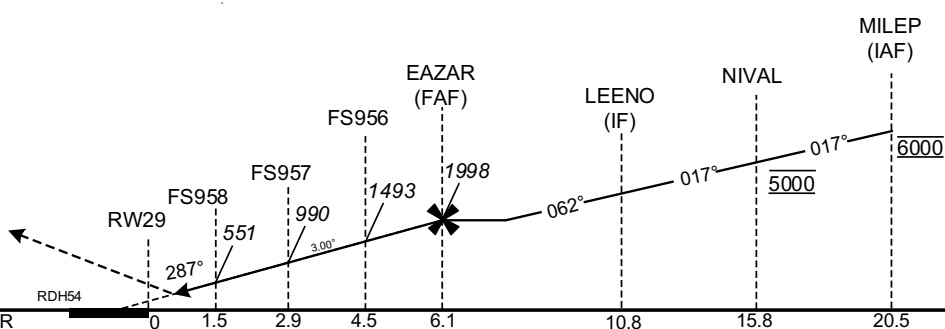
For uncompensated Baro-VNAV systems, procedure not authorized below -10°C / above 45°C



## MISSED APPROACH

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      |

**RNP AR**

Special Authorization Required

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<br>(009.2) | -7.5               | 4.7           | -              | 5000          | -            | -               | 0.3       |
| 003           | TF                                 | LEENO               | -        | 017<br>(009.2) | -7.5               | 5.0           | -              | -             | -            | -               | 0.3       |
| 004           | TF                                 | EAZAR               | -        | 062<br>(054.2) | -7.5               | 4.7           | -              | 1998          | -165         | -               | 0.3       |
| 005           | RF<br>Center:<br>FSRF8<br>r=2.02NM | FS956               | -        | -              | -7.5               | 1.6           | L              | 1493          | -            | -3.00           | 0.3       |
| 006           | RF<br>Center:<br>FSRF9<br>r=1.98NM | FS957               | -        | -              | -7.5               | 1.6           | L              | 990           | -            | -3.00           | 0.3       |
| 007           | RF<br>Center:<br>FSRF0<br>r=1.75NM | FS958               | -        | -              | -7.5               | 1.4           | L              | 551           | -            | -3.00           | 0.3       |
| 008           | TF                                 | RW29                | Y        | 287<br>(279.3) | -7.5               | 1.5           | -              | 60            | -            | -3.00/54        | 0.3       |
| 009           | FA                                 | -                   | -        | 287<br>(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

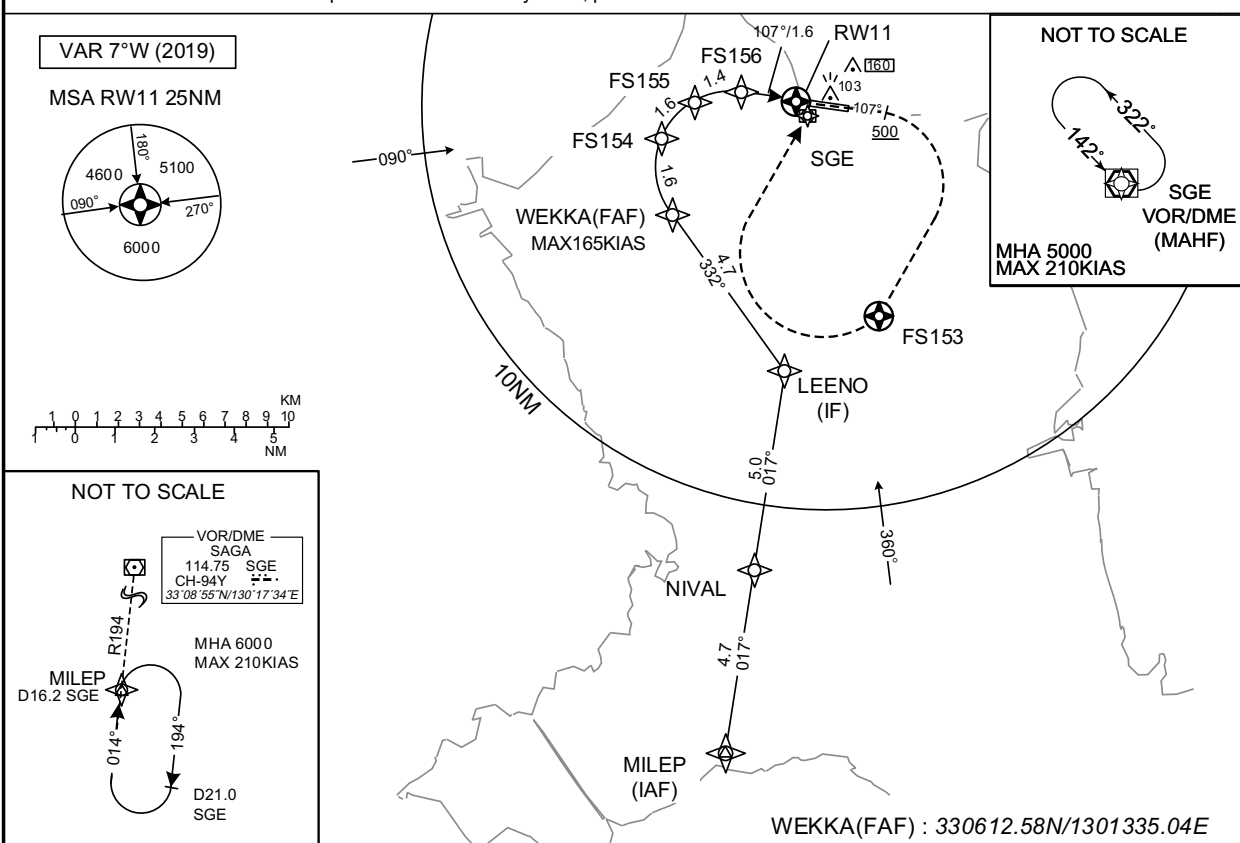
## INSTRUMENT APPROACH CHART

RJFS / SAGA

RNAV(RNP) RWY11

|                                |                       |                               |  |          |
|--------------------------------|-----------------------|-------------------------------|--|----------|
| FUKUOKA RADAR<br>119.7 – 279.2 | GNSS and RF required. | SAGA RADIO<br>118.025 – 126.2 | (2130–2300(UTC)<br>1030–1500<br>SAGA REMOTE<br>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<br>(009.2) | -7.5               | 4.7           | -              | 5000          | -            | -              | 0.3       |
| 003           | TF                                 | LEENO               | -        | 017<br>(009.2) | -7.5               | 5.0           | -              | -             | -            | -              | 0.3       |
| 004           | TF                                 | WEKKA               | -        | 332<br>(324.3) | -7.5               | 4.7           | -              | 1990          | -165         | -              | 0.3       |
| 005           | RF<br>Center:<br>FSRF5<br>r=2.02NM | FS154               | -        | -              | -7.5               | 1.6           | R              | 1486          | -            | -3.00          | 0.3       |
| 006           | RF<br>Center:<br>FSRF6<br>r=1.98NM | FS155               | -        | -              | -7.5               | 1.6           | R              | 989           | -            | -3.00          | 0.3       |
| 007           | RF<br>Center:<br>FSRF7<br>r=1.77NM | FS156               | -        | -              | -7.5               | 1.4           | R              | 550           | -            | -3.00          | 0.3       |
| 008           | TF                                 | RW11                | Y        | 107<br>(099.3) | -7.5               | 1.6           | -              | 56            | -            | -3.00/50       | 0.3       |
| 009           | FA                                 | -                   | -        | 107<br>(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

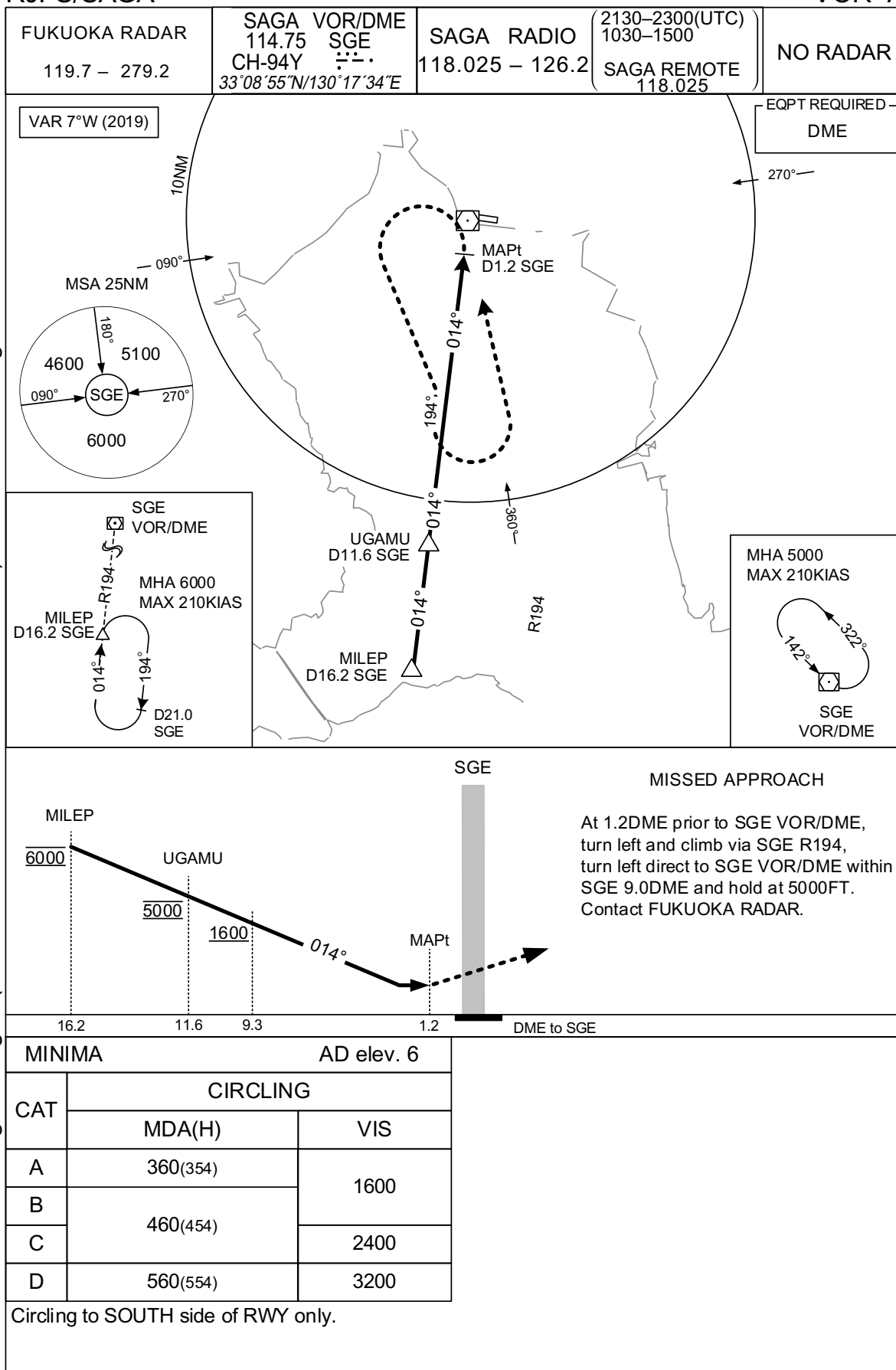
| Waypoint Identifier | Coordinates            | RF Arc Center Identifier | Coordinates            |
|---------------------|------------------------|--------------------------|------------------------|
| MILEP               | 325250.49N/1301501.22E | FSRF5                    | 330723.51N/1301531.82E |
| 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



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

INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART

RJFS/SAGA

VOR C

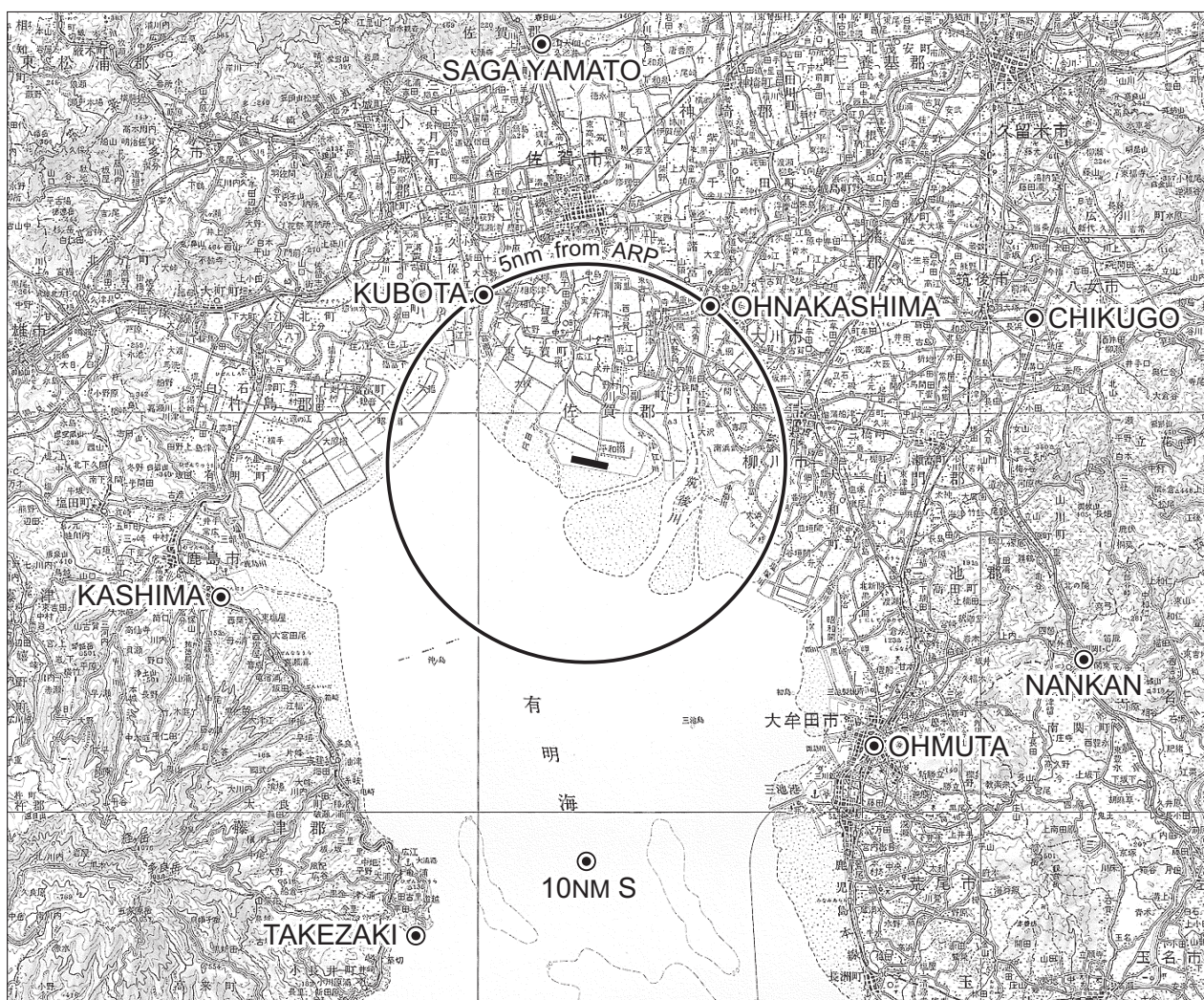


CHANGE : ATC callsign changed (FUKUOKA DEP→FUKUOKA RADAR). ATC FREQ changed.



## RJFS / SAGA

## Visual REP



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

\* 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 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

