

## AD CHART

**TANEGASHIMA AP**

TRUE NORTH

WIND SPEED METER

WDI

RVR 303601N 1310001E

CEILO METER

RTHL

327m

PAPI Angle 3.0°

MEHT 16.7m(55ft)

ARP 303618N 1305930E

APRON FLOOD LGT

ABN

TERMINAL BLD

1 2 3

WIND SPEED METER

WDI

323.1m

PAPI Angle 3.0°

MEHT 14.9m(49ft)

RTHL

303636N 1305858E

OVERRUN AREA EDGE LGT

TANEGASHIMA

REMARKS :

|                               |             |                |
|-------------------------------|-------------|----------------|
| RWY GROOVING                  | 2000m x 30m | PCN 42/F/A/X/T |
| WIDTH & STRENGTH OF RWY       | 2000m x 45m | PCN 42/F/A/X/T |
| WIDTH & STRENGTH OF TWY       | 23m         | PCN 53/R/C/X/T |
| DIMENSION & STRENGTH OF APRON | 185m x 90m  |                |

**LONGITUDINAL PROFILE OF RWY**

RWY 13

237.00m (778ft)

RWY 31

231.00m (758ft)

0.3%

0m

2000m

APCH LGT BEACONS

SALS

600.0m

420.0m

270.0m

ALS

300.0m

600.0m

900.0m

SEQUENCED FLASHING LGT (SFL-V)

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STANDARD DEPARTURE CHART - INSTRUMENT

RJFG / TANEGASHIMA

SID

CHANGE : PROC renamed. QUEEN TWO DEPARTURE, KINKO TWO DEPARTURE abolished. PROC course.

TANEGASHIMA REVERSAL THREE DEPARTURE

RWY 13 : Climb RWY HDG to TGE 5.6DME, turn right,...

RWY 31 : Climb RWY HDG to TGE 5.6DME, turn left,...

... direct to TGE VOR/DME.

Cross TGE VOR/DME at or above 4000FT.



## STANDARD DEPARTURE CHART -INSTRUMENT

RJFG / TANEGASHIMA

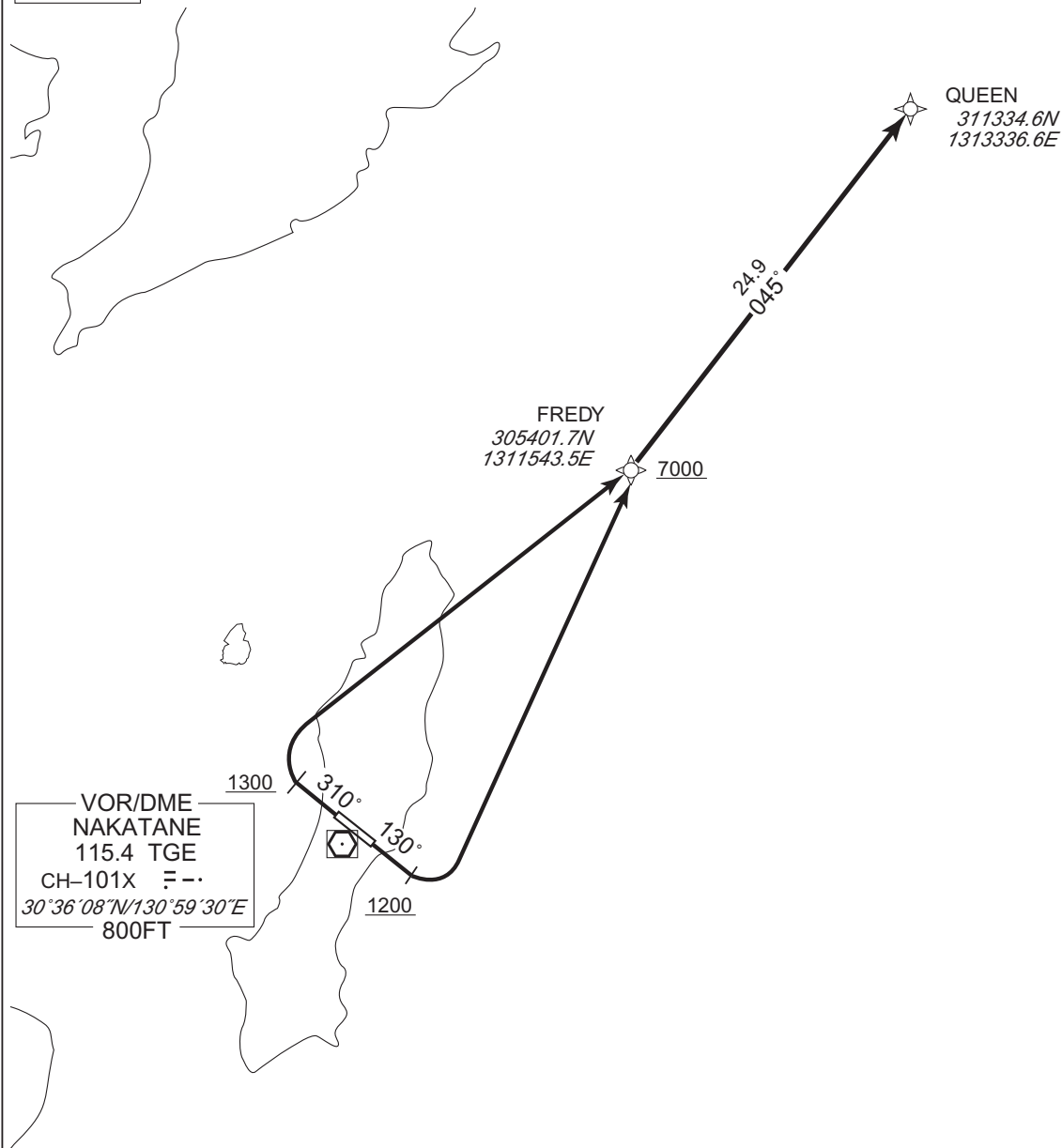
RNAV SID

## FREDY TWO DEPARTURE

Basic RNP1

Note GNSS required.

VAR 7°W



CHANGE : VAR. PROC renamed. PROC course.

RWY13 : Climb on HDG 130° at or above 1200FT, turn left direct to FREDY at or above 7000FT, to QUEEN.

RWY31 : Climb on HDG 310° at or above 1300FT, turn right direct to FREDY at or above 7000FT, to QUEEN.

STANDARD DEPARTURE CHART -INSTRUMENT

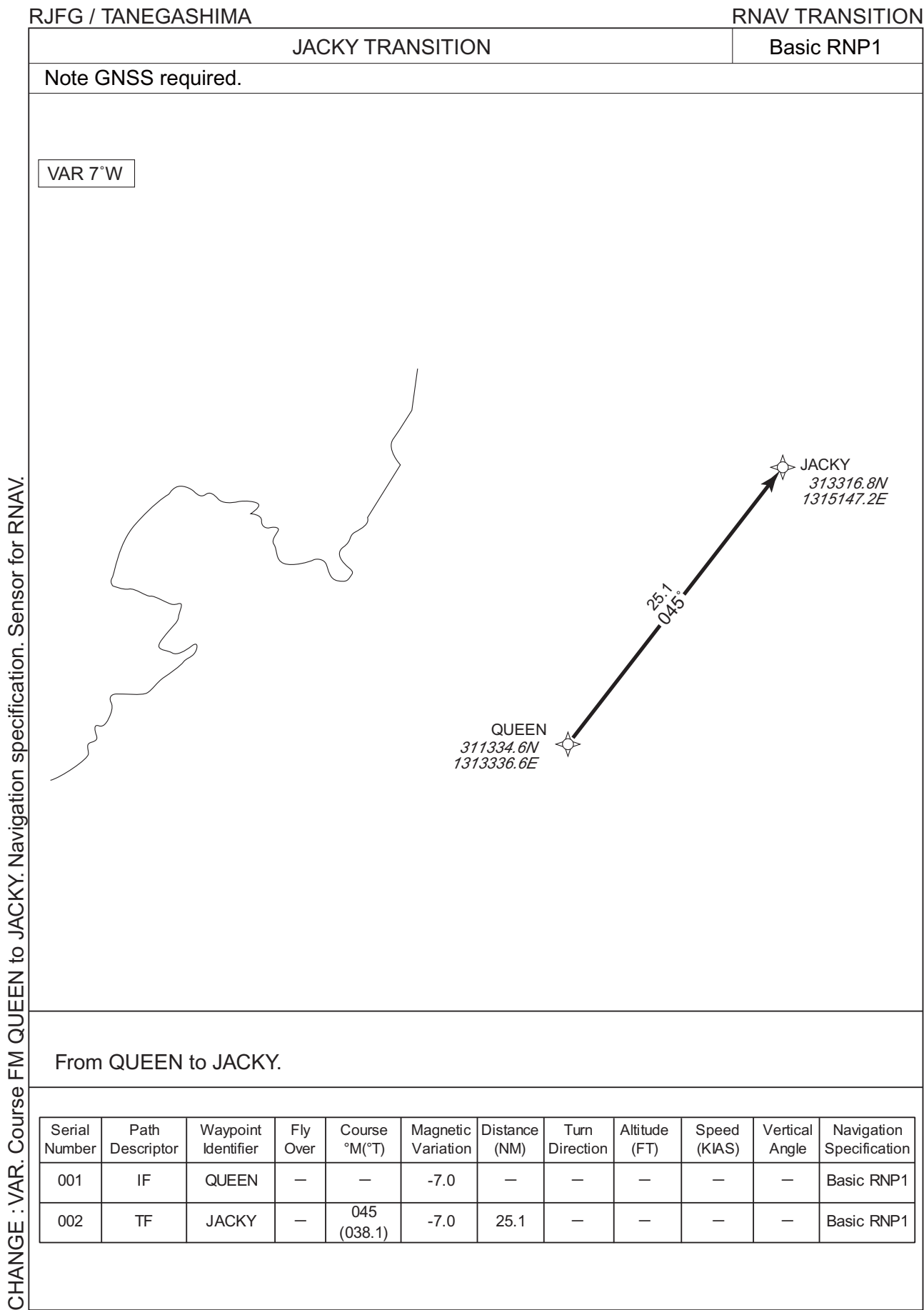
RJFG / TANEGASHIMA

RNAV SID

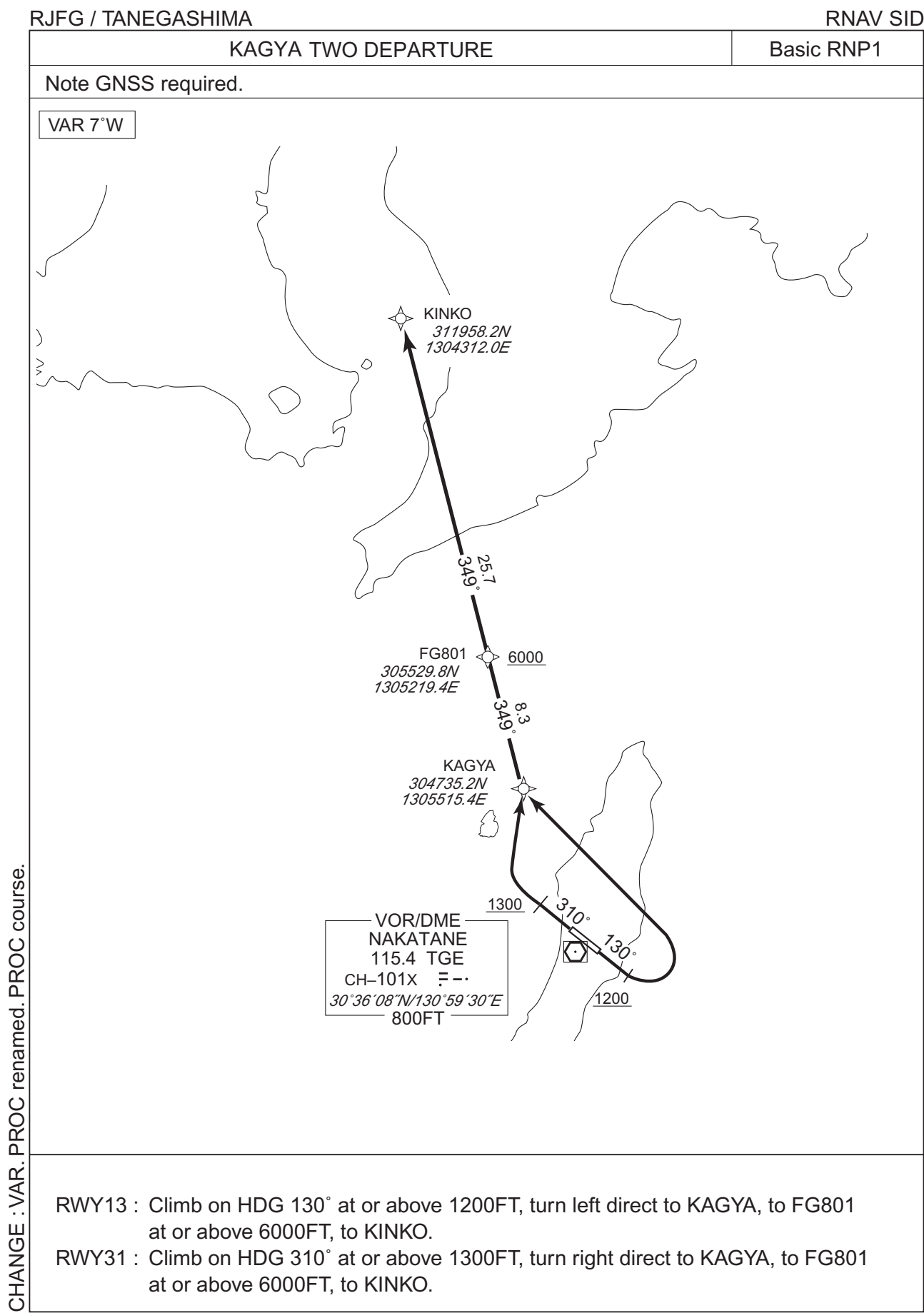
|                     |                 |                     |          |               |                    |               |                |               |              |                |                          |
|---------------------|-----------------|---------------------|----------|---------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| FREDY TWO DEPARTURE |                 |                     |          |               |                    |               |                |               |              |                |                          |
| RWY13               |                 |                     |          |               |                    |               |                |               |              |                |                          |
| 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              | —                   | —        | 130 (123.0)   | -7.0               | —             | —              | +1200         | —            | —              | Basic RNP1               |
| 002                 | DF              | FREDY               | —        | —             | -7.0               | —             | L              | +7000         | —            | —              | Basic RNP1               |
| 003                 | TF              | QUEEN               | —        | 045 (038.0)   | -7.0               | 24.9          | —              | —             | —            | —              | Basic RNP1               |
| RWY31               |                 |                     |          |               |                    |               |                |               |              |                |                          |
| 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              | —                   | —        | 310 (303.0)   | -7.0               | —             | —              | +1300         | —            | —              | Basic RNP1               |
| 002                 | DF              | FREDY               | —        | —             | -7.0               | —             | R              | +7000         | —            | —              | Basic RNP1               |
| 003                 | TF              | QUEEN               | —        | 045 (038.0)   | -7.0               | 24.9          | —              | —             | —            | —              | Basic RNP1               |

CHANGE : VAR. PROC renamed. PROC course.

STANDARD DEPARTURE CHART -INSTRUMENT



STANDARD DEPARTURE CHART -INSTRUMENT



## STANDARD DEPARTURE CHART -INSTRUMENT

RJFG / TANEGASHIMA

RNAV SID

KAGYA TWO DEPARTURE

## RWY13

| 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              | —                   | —        | 130<br>(123.0) | -7.0               | —             | —              | +1200         | —            | —              | Basic RNP1               |
| 002           | DF              | KAGYA               | —        | —              | -7.0               | —             | L              | —             | —            | —              | Basic RNP1               |
| 003           | TF              | FG801               | —        | 349<br>(342.4) | -7.0               | 8.3           | —              | +6000         | —            | —              | Basic RNP1               |
| 004           | TF              | KINKO               | —        | 349<br>(342.3) | -7.0               | 25.7          | —              | —             | —            | —              | Basic RNP1               |

## RWY31

| 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              | —                   | —        | 310<br>(303.0) | -7.0               | —             | —              | +1300         | —            | —              | Basic RNP1               |
| 002           | DF              | KAGYA               | —        | —              | -7.0               | —             | R              | —             | —            | —              | Basic RNP1               |
| 003           | TF              | FG801               | —        | 349<br>(342.4) | -7.0               | 8.3           | —              | +6000         | —            | —              | Basic RNP1               |
| 004           | TF              | KINKO               | —        | 349<br>(342.3) | -7.0               | 25.7          | —              | —             | —            | —              | Basic RNP1               |

CHANGE : VAR. PROC renamed. PROC course.



STANDARD ARRIVAL CHART - INSTRUMENT

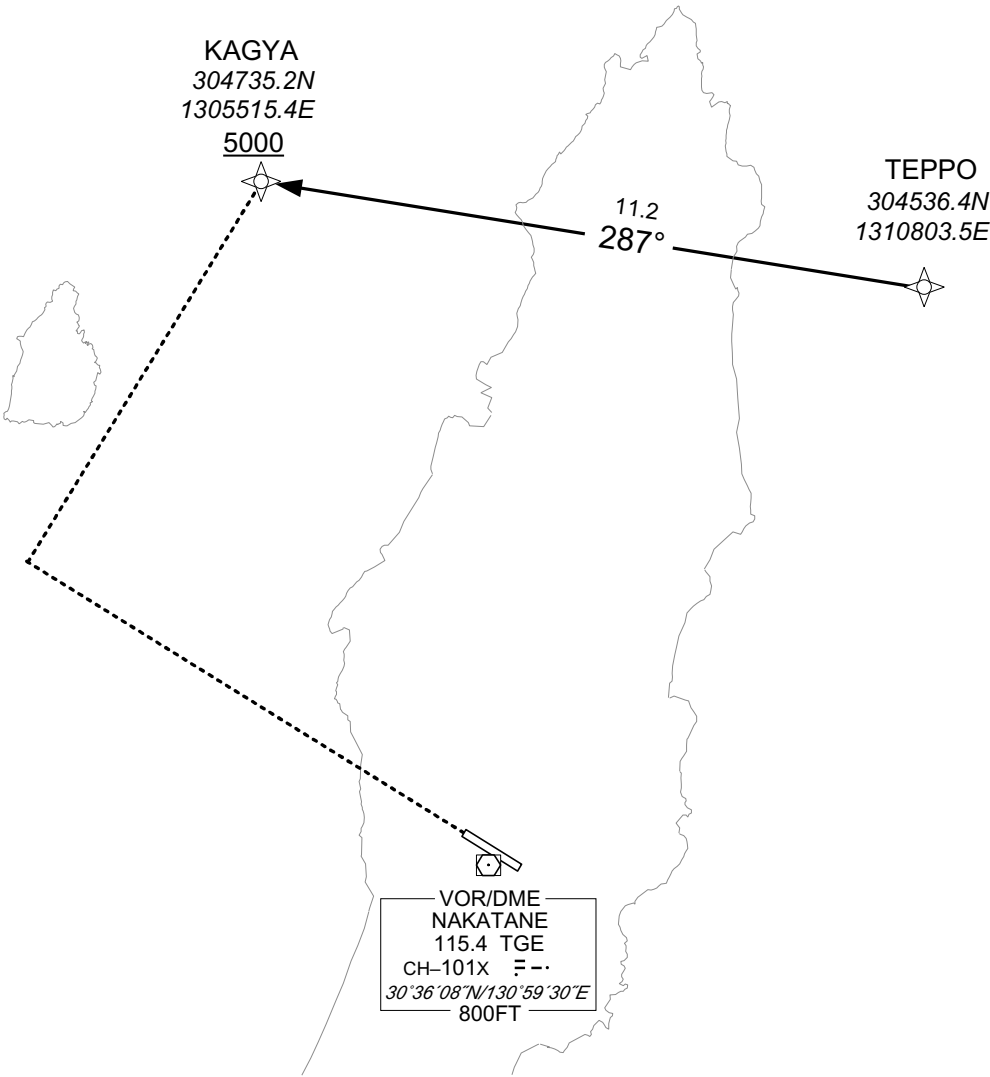
RJFG / TANEGASHIMA

RNAV STAR RWY13

| TEPPO ARRIVAL | Basic RNP1 |
|---------------|------------|
|---------------|------------|

Note GNSS required.

VAR 7°W



From TEPPO, to KAGYA at or above 5000FT.

| 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              | TEPPO               | —        | —             | -7.0               | —             | —              | —             | —            | —              | Basic RNP1               |
| 002           | TF              | KAGYA               | —        | 287 (280.3)   | -7.0               | 11.2          | —              | +5000         | —            | —              | Basic RNP1               |

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INSTRUMENT APPROACH CHART

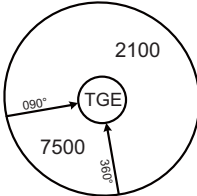
RJFG / TANEGASHIMA

ILS or LOC RWY31

|  |   |   |          |
|--|---|---|----------|
| KOBE CONTROL<br>133.85 - 315.3<br>134.6 - 225.65 | ILS - LOC<br>108.95 ITN 310°<br>ILS-GP 329.15<br>ILS-DME CH-26Y | TANEGASHIMA RADIO<br>118.75<br>AFIS provided<br>by Kagoshima Airport Office | NO RADAR |
|--|---|---|----------|

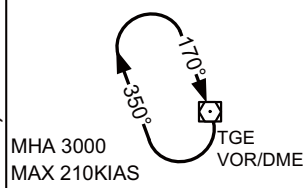
VAR 7°W

MSA 25NM

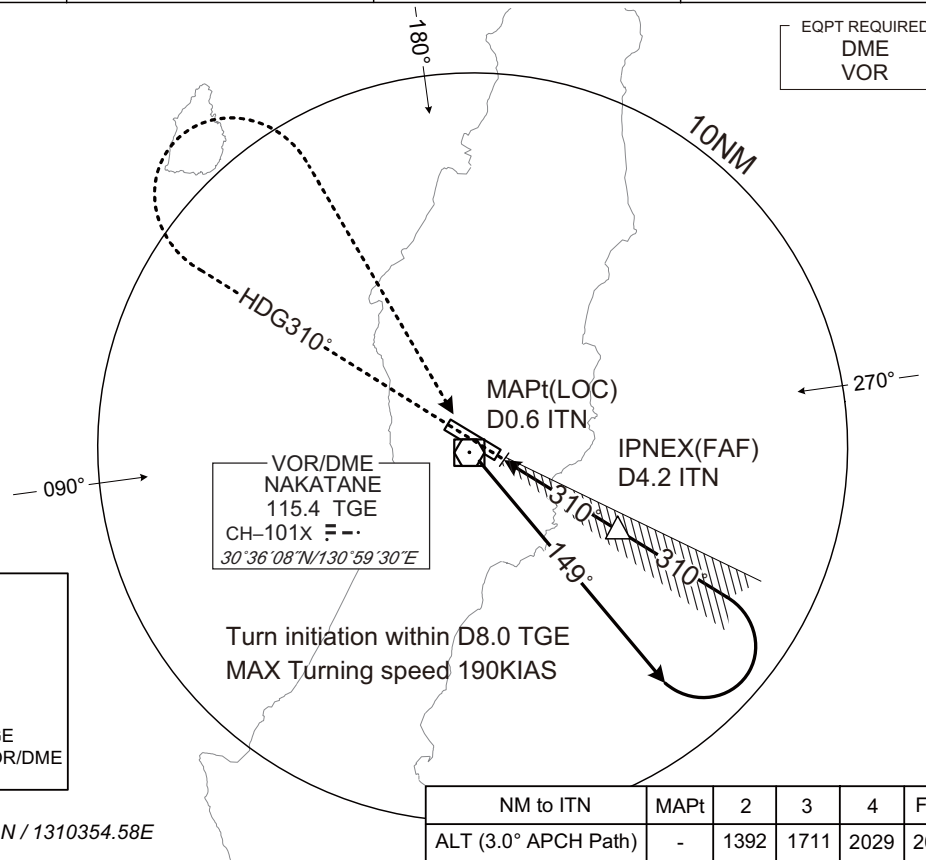


EQPT REQUIRED  
DME  
VOR

NOT TO SCALE



IPNEX(FAF) : 303349.91N / 1310354.58E

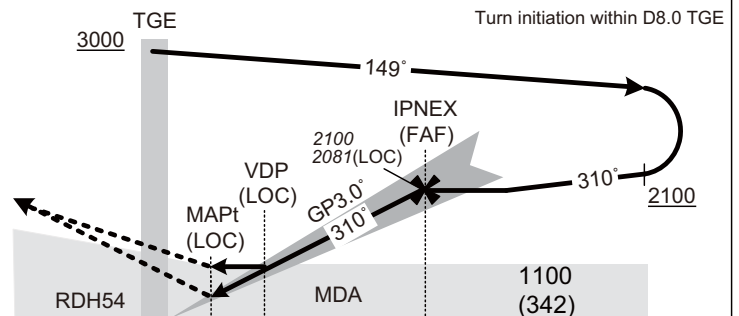


| NM to ITN            | MAPt | 2    | 3    | 4    | FAF  |
|----------------------|------|------|------|------|------|
| ALT (3.0° APCH Path) | -    | 1392 | 1711 | 2029 | 2081 |

MISSED APPROACH

Climb on HDG310° to 3000FT,  
turn right, direct to TGE VOR/DME  
and hold.  
Contact TANEGASHIMA RADIO.

Timing not authorized for defining the MAPt.



|            |     |     |     |     |
|------------|-----|-----|-----|-----|
| DME to ITN | 0.2 | 0.6 | 1.1 | 4.2 |
| NM to THR  | 0   | 0.5 | 1.0 | 4.0 |

Missed APCH climb gradient MNM 4.0%

| MINIMA |          | THR elev. 758 |           | AD elev. 768 |            |      |
|--------|----------|---------------|-----------|--------------|------------|------|
| CAT    | CAT I    |               | LOC       |              | CIRCLING   |      |
|        | DA(H)    | RVR/CMV       | MDA(H)    | RVR/CMV      | MDA(H)     | VIS  |
| A      | 958(200) | 550           | 1100(342) | 900          | 1500(732)  | 1600 |
| B      |          |               |           | 1000         |            |      |
| C      |          |               |           | 1400         | 1800(1032) | 2400 |
| D      |          |               |           |              |            | 3200 |

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

CHANGE : FREQ of KOBE CONTROL(127.15 → 134.6, 251.0 → 225.65).

## INSTRUMENT APPROACH CHART

## RJFG / TANEGASHIMA

## VOR RWY13

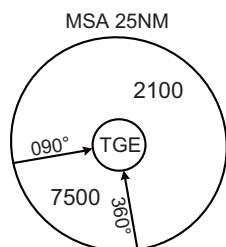
KOBE CONTROL  
133.85 - 315.3  
134.6 - 225.65

NAKATANE VOR/DME  
115.4 TGE F--  
CH - 101X  
30°36'08"N/130°59'30"E

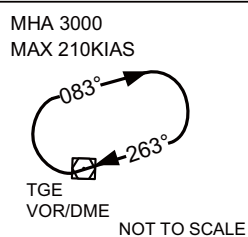
TANEGASHIMA RADIO  
118.75  
AFIS provided  
by Kagoshima Airport Office

NO RADAR

VAR 7°W

EQPT REQUIRED  
DME

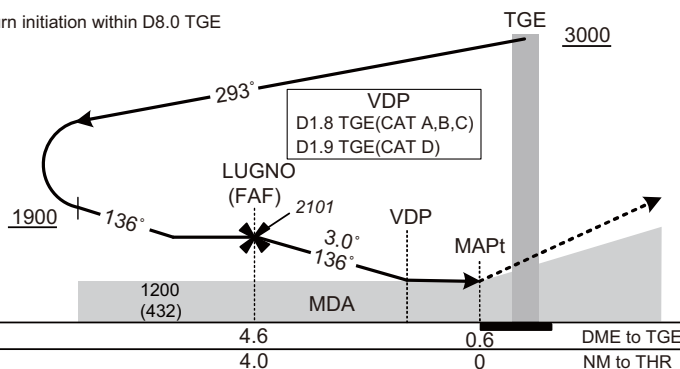
Turn initiation within D8.0 TGE  
MAX Turning speed 200KIAS



| NM to TGE            | FAF  | 4    | 3    | 2    | MAPt |
|----------------------|------|------|------|------|------|
| ALT (3.0° APCH Path) | 2101 | 1896 | 1578 | 1260 | -    |

LUGNO(FAF) : 303903.36N / 1305518.69E

Turn initiation within D8.0 TGE



## MISSED APPROACH

Climb via TGE R136 to 3000FT,  
turn left, direct to TGE VOR/DME  
and hold.  
Contact TANEGASHIMA RADIO.

Timing not authorized for defining the MAPt.

Missed APCH climb gradient MNM 5.0%

| MINIMA |           | THR elev. 778 | AD elev. 768 |      |
|--------|-----------|---------------|--------------|------|
| CAT    |           |               | CIRCLING     |      |
|        | MDA(H)    | CMV           | MDA(H)       | VIS  |
| A      | 1160(392) | 1200          | 1500(732)    | 1600 |
| B      |           | 1300          |              |      |
| C      | 1180(412) | 1400          | 1800(1032)   | 2400 |
| D      | 1200(432) | 1600          |              | 3200 |

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

CHANGE : FREQ of KOBE CONTROL(127.15 → 134.6, 251.0 → 225.65).

INSTRUMENT APPROACH CHART

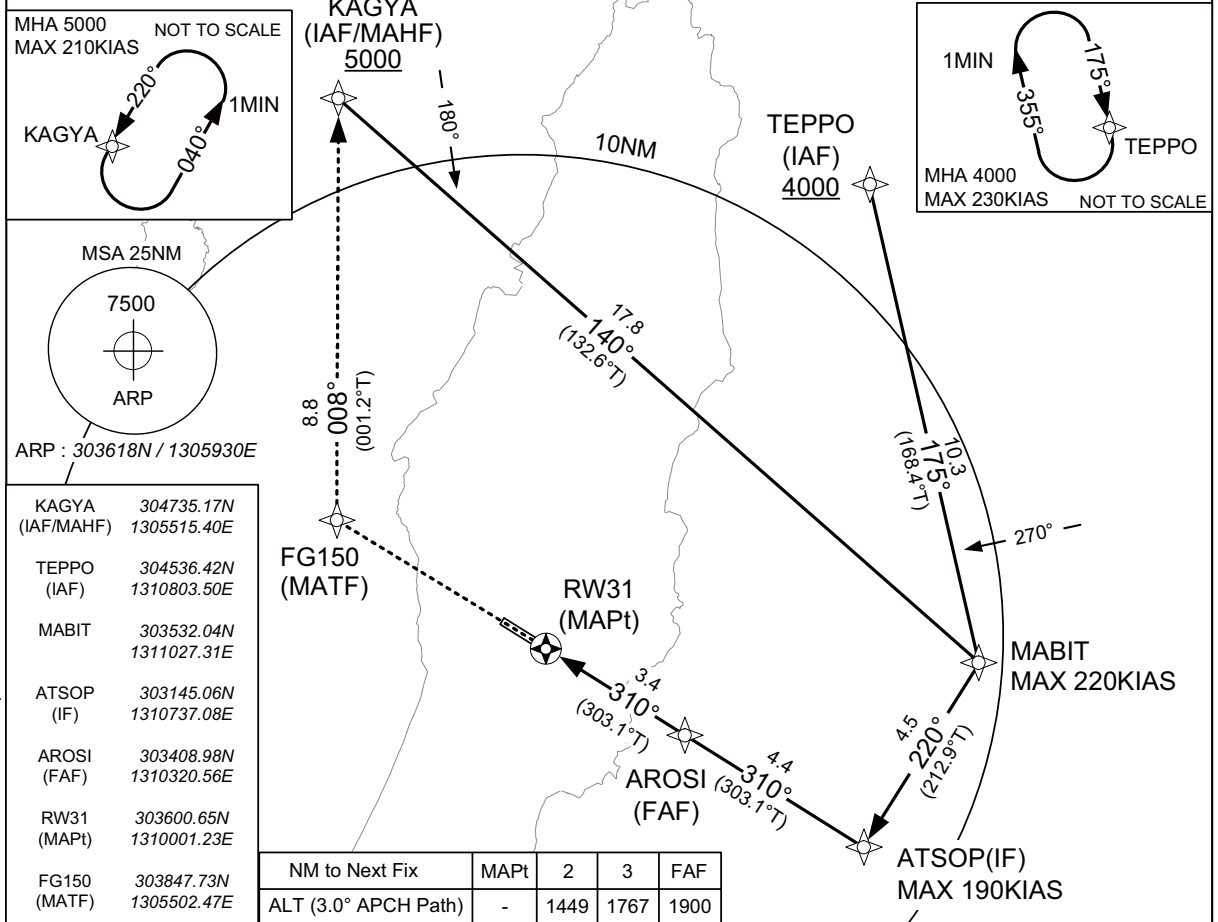
RJFG / TANEGASHIMA

RNP RWY31

|  |                                  |   |          |
|--|----------------------------------|---|----------|
| KOBE CONTROL<br>133.85 - 315.3<br>134.6 - 225.65 | RNP APCH<br>MSAS CH88975<br>M31A | TANEGASHIMA RADIO<br>118.75<br>AFIS provided<br>by Kagoshima Airport Office | NO RADAR |
|--|----------------------------------|---|----------|

VAR 7°W

Baro-VNAV not authorized below -5°C



CHANGE : FREQ of KOBE CONTROL(127.15 → 134.6, 251.0 → 225.65).

## INSTRUMENT APPROACH CHART

RJFG / TANEGASHIMA

RNP RWY31

**FAS DATA BLOCK**

|                                  |               |                            |               |
|----------------------------------|---------------|----------------------------|---------------|
| Operation type                   | 0             | LTP/FTP ellipsoidal height | +02605        |
| SBAS service provider identifier | 2             | FPAP latitude              | 303635.9110N  |
| Airport identifier               | RJFG          | FPAP longitude             | 1305858.2130E |
| Runway                           | 31            | Threshold crossing height  | 00016.5       |
| Approach performance designator  | 0             | TCH units selector         | 1             |
| Route indicator                  |               | Glide path angle           | 03.00         |
| Reference path data selector     | 0             | Course width at threshold  | 105.00        |
| Reference path ID                | M31A          | ∠ length offset            | 0000          |
| LTP/FTP latitude                 | 303600.6245N  | HAL                        | 40.0          |
| LTP/FTP longitude                | 1310001.2545E | VAL                        | 50.0          |
| CRC remainder                    | 2EE6E3AF      |                            |               |

**Required additional data**

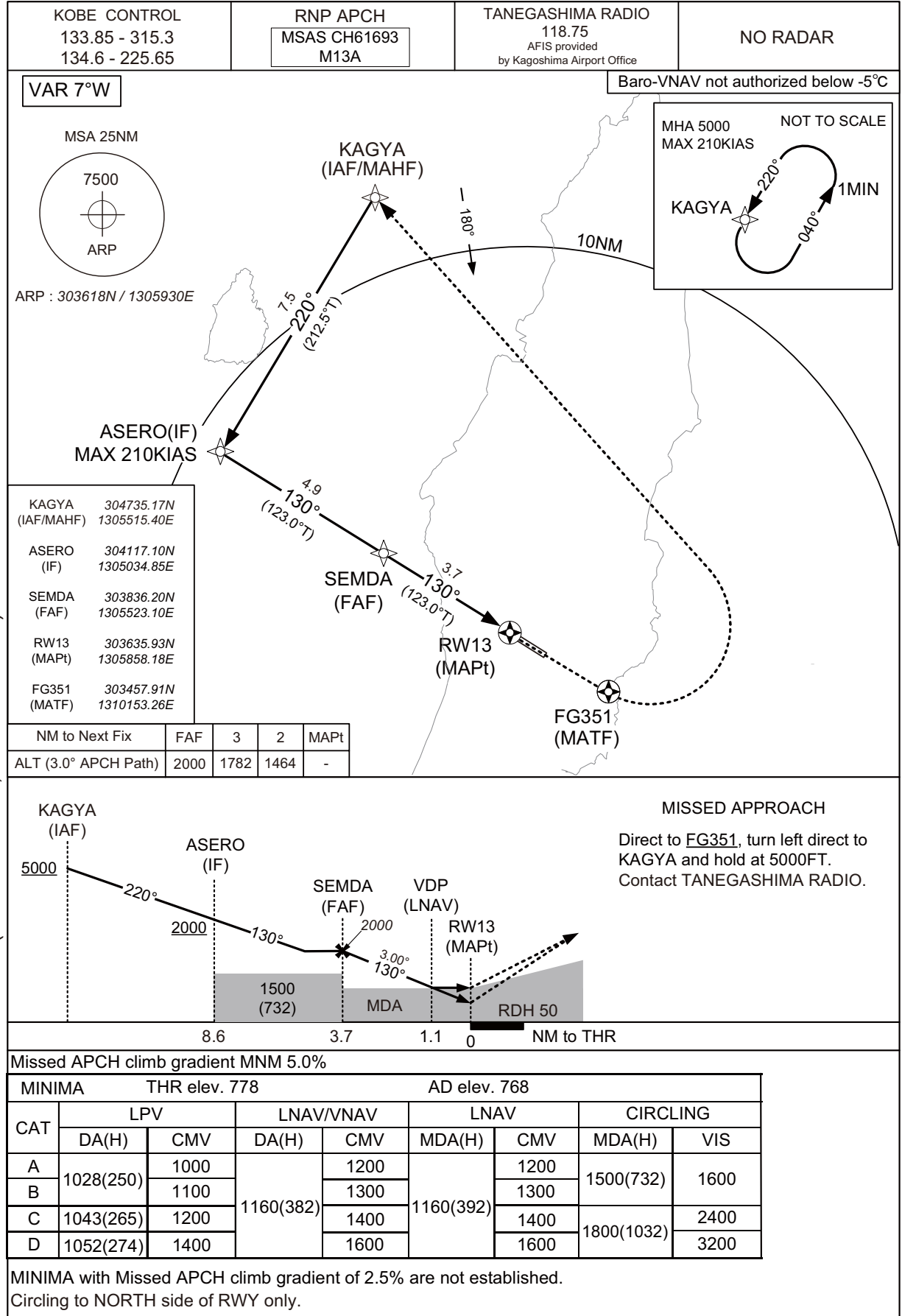
|                            |       |
|----------------------------|-------|
| LTP/FTP orthometric height | 231.2 |
|----------------------------|-------|

CHANGE : New PROC.

INSTRUMENT APPROACH CHART

RJFG / TANEGASHIMA

RNP RWY13



RJFG / TANEGASHIMA

RNP RWY13

|                                  |               |                            |               |
|----------------------------------|---------------|----------------------------|---------------|
| Operation type                   | 0             | LTP/FTP ellipsoidal height | +02666        |
| SBAS service provider identifier | 2             | FPAP latitude              | 303600.6245N  |
| Airport identifier               | RJFG          | FPAP longitude             | 1310001.2545E |
| Runway                           | 13            | Threshold crossing height  | 00015.0       |
| Approach performance designator  | 0             | TCH units selector         | 1             |
| Route indicator                  |               | Glide path angle           | 03.00         |
| Reference path data selector     | 0             | Course width at threshold  | 105.00        |
| Reference path ID                | M13A          | ∠ length offset            | 0000          |
| LTP/FTP latitude                 | 303635.9110N  | HAL                        | 40.0          |
| LTP/FTP longitude                | 1305858.2130E | VAL                        | 50.0          |
| CRC remainder                    | 1527D649      |                            |               |

|                            |       |
|----------------------------|-------|
| LTP/FTP orthometric height | 237.1 |
|----------------------------|-------|

CHANGE : FAS DATA BLOCK, Required additional data established.



RJFG / TANEGASHIMA

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 : VAR.

| Call sign           | BRG / DIST from ARP | Remarks            |
|---------------------|---------------------|--------------------|
| 喜志鹿崎<br>Kishigazaki | 014°T / 14.2NM      | 灯台<br>Lighthouse   |
| 西之表<br>Nishinoomote | 359°T / 7.5NM       | 西之表港<br>Harbor     |
| 10NM W              | 270°T / 10.0NM      | 海上<br>Over the sea |
| 島間<br>Shimama       | 219°T / 10.6NM      | 港<br>Harbor        |
| 竹崎<br>Takezaki      | 187°T / 13.2NM      | 灯台<br>Lighthouse   |

RJFG / TANEGASHIMA

Minimum Vectoring Altitude CHART

CHANGE : Minimum vectoring altitude(6000→5000).



\*1 : 302013N/1302957E RADIUS : 10NM

CENTER : 303618N/1305930E (ARP)