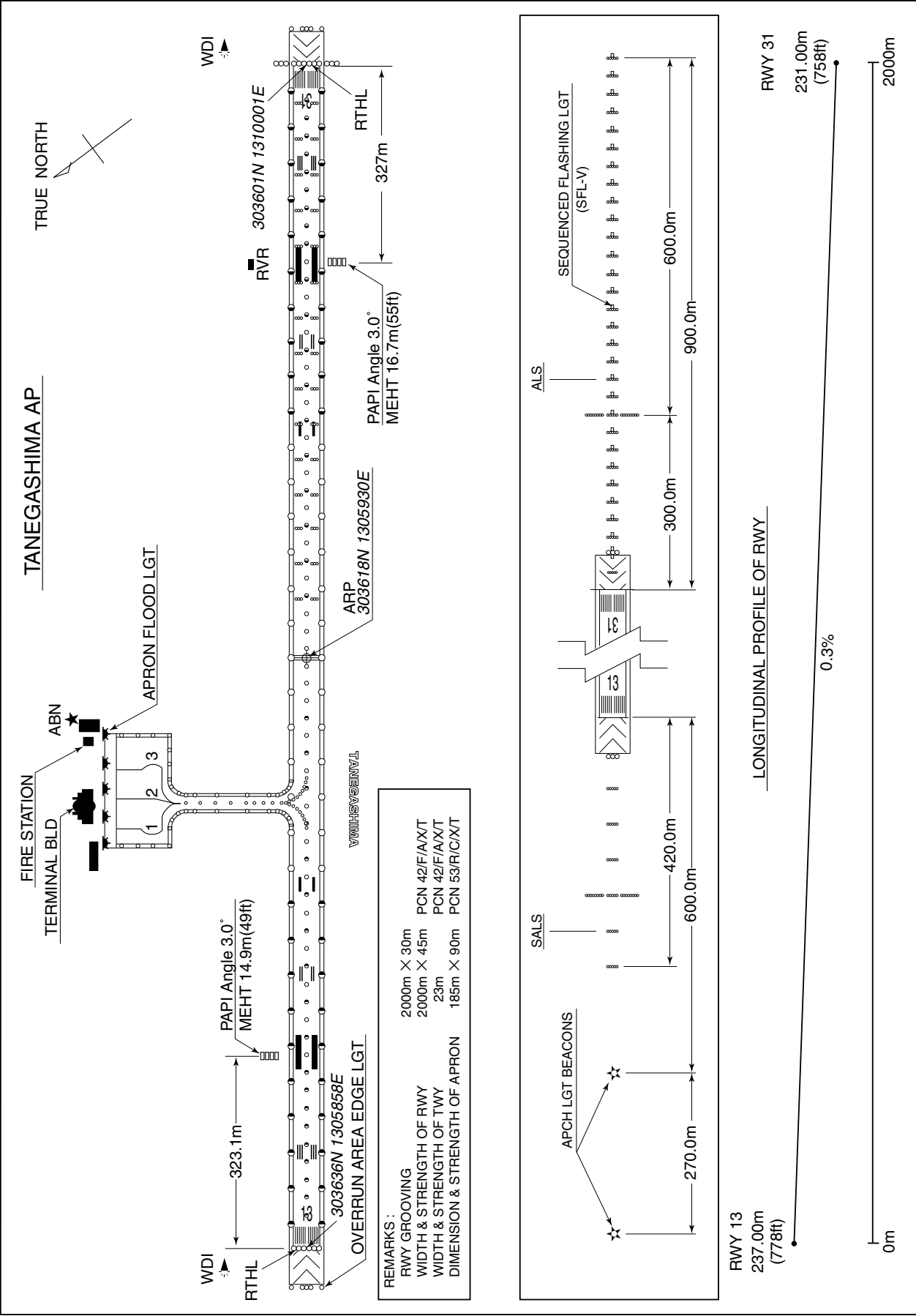


RJFG / TANEGASHIMA

AD CHART



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STANDARD DEPARTURE CHART - INSTRUMENT

RJFG / TANEGASHIMA

SID

QUEEN TWO DEPARTURE

RWY13: Climb RWY HDG until 1NM from RWY end/TGE 1.5DME, turn left,...

RWY31: Climb RWY HDG until 1NM from RWY end/TGE 1.7DME, turn right,...

...Climb via TGE R-045 to QUEEN.
Cross TGE R-045/27DME at or above 7,000ft, cross QUEEN at assigned altitude.

KINKO TWO DEPARTURE

RWY13: Climb RWY HDG until 1NM from RWY end/TGE 1.5DME, turn left,...

RWY31: Climb RWY HDG until 1NM from RWY end/TGE 1.7DME, turn right,...

...Climb via TGE R-349 to KINKO.
Cross TGE R-349/19DME at or above 6,000ft.

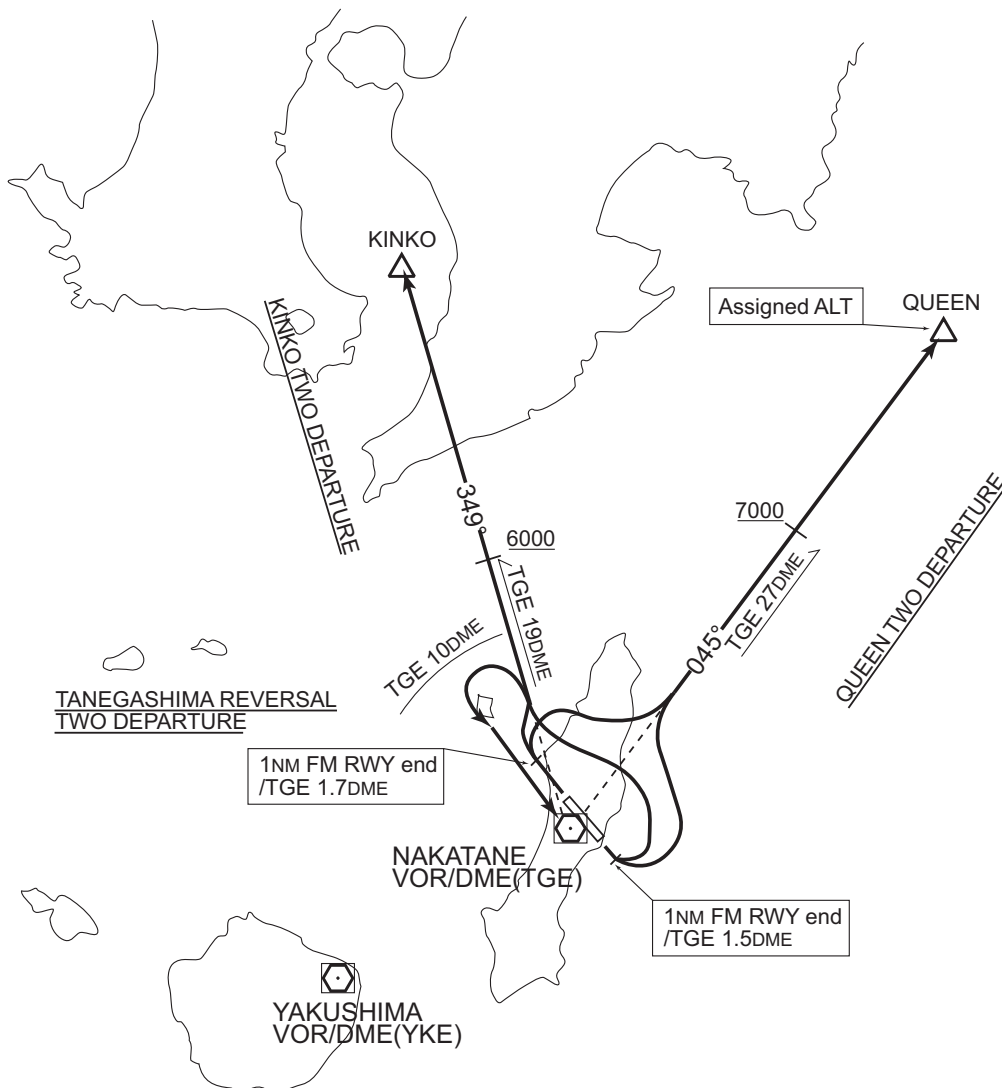
TANEGASHIMA REVERSAL TWO DEPARTURE

RWY13: Climb RWY HDG until 1NM from RWY end/TGE 1.5DME, turn left,...

RWY31: Climb RWY HDG until 1NM from RWY end/TGE 1.7DME, turn right,...

...Climb via TGE R-349, then turn left proceed to TGE VOR/DME within TGE 10DME.

CHANGE: PROC renamed. Radial FM TGE.



STANDARD DEPARTURE CHART -INSTRUMENT

RJFG / TANEGASHIMA

RNAV SID

FREDY ONE RNAV DEPARTURE

Basic RNP1

Note GNSS required.

VAR 6°W (2011)



FREDY ONE RNAV DEPARTURE

RWY13 : Climb on HDG 129° at or above 1200FT, turn left direct to FREDY at or above 7000FT, to QUEEN.

RWY31 : Climb on HDG 309° at or above 1300FT, turn right direct to FREDY at or above 7000FT, to QUEEN.

STANDARD DEPARTURE CHART -INSTRUMENT

RJFG / TANEGASHIMA

RNAV SID

FREDY ONE RNAV DEPARTURE

RWY13

| Rcmd. Path Terminator | Fix ID (Waypoint Name) | Fly Over | Distance (NM) | MAG Track (TRUE Track) | Turn Direction | Altitude (FT) | Speed Limit (KIAS) | Vertical Angle | Navigation Performance |
|-----------------------|------------------------|----------|---------------|------------------------|----------------|---------------|--------------------|----------------|------------------------|
| VA | — | — | — | 129° (122.9°) | — | +1200 | — | — | Basic RNP1 |
| DF | FREDY | — | — | — | L | +7000 | — | — | Basic RNP1 |
| TF | QUEEN | — | 24.9 | 044° (038.0°) | — | — | — | — | Basic RNP1 |

RWY31

| Rcmd. Path Terminator | Fix ID (Waypoint Name) | Fly Over | Distance (NM) | MAG Track (TRUE Track) | Turn Direction | Altitude (FT) | Speed Limit (KIAS) | Vertical Angle | Navigation Performance |
|-----------------------|------------------------|----------|---------------|------------------------|----------------|---------------|--------------------|----------------|------------------------|
| VA | — | — | — | 309° (302.9°) | — | +1300 | — | — | Basic RNP1 |
| DF | FREDY | — | — | — | R | +7000 | — | — | Basic RNP1 |
| TF | QUEEN | — | 24.9 | 044° (038.0°) | — | — | — | — | Basic RNP1 |

STANDARD DEPARTURE CHART -INSTRUMENT

RJFG / TANEGASHIMA

RNAV TRANSITION



STANDARD DEPARTURE CHART -INSTRUMENT

RJFG / TANEGASHIMA

RNAV SID



STANDARD DEPARTURE CHART -INSTRUMENT

RJFG / TANEGASHIMA

RNAV SID

KAGYA ONE RNAV DEPARTURE

RWY13

| Rcmd. Path Terminator | Fix ID (Waypoint Name) | Fly Over | Distance (NM) | MAG Track (TRUE Track) | Turn Direction | Altitude (FT) | Speed Limit (KIAS) | Vertical Angle | Navigation Performance |
|-----------------------|------------------------|----------|---------------|------------------------|----------------|---------------|--------------------|----------------|------------------------|
| VA | — | — | — | 129° (122.9°) | — | +1200 | — | — | Basic RNP1 |
| DF | KAGYA | — | — | — | L | — | — | — | Basic RNP1 |
| TF | FG801 | — | 8.3 | 348° (342.4°) | — | +6000 | — | — | Basic RNP1 |
| TF | KINKO | — | 25.7 | 348° (342.3°) | — | — | — | — | Basic RNP1 |

RWY31

| Rcmd. Path Terminator | Fix ID (Waypoint Name) | Fly Over | Distance (NM) | MAG Track (TRUE Track) | Turn Direction | Altitude (FT) | Speed Limit (KIAS) | Vertical Angle | Navigation Performance |
|-----------------------|------------------------|----------|---------------|------------------------|----------------|---------------|--------------------|----------------|------------------------|
| VA | — | — | — | 309° (302.9°) | — | +1300 | — | — | Basic RNP1 |
| DF | KAGYA | — | — | — | R | — | — | — | Basic RNP1 |
| TF | FG801 | — | 8.3 | 348° (342.4°) | — | +6000 | — | — | Basic RNP1 |
| TF | KINKO | — | 25.7 | 348° (342.3°) | — | — | — | — | Basic RNP1 |

STANDARD ARRIVAL CHART - INSTRUMENT

RJFG / TANEGASHIMA

STAR

KAGYA ARRIVAL

From over TEPPPO, proceed via TGE 12DME counterclockwise ARC to KAGYA.
Cross KAGYA at or above 6,000ft.

CHANGE: Radial FM TGE. Bearing on HOLD Pattern.

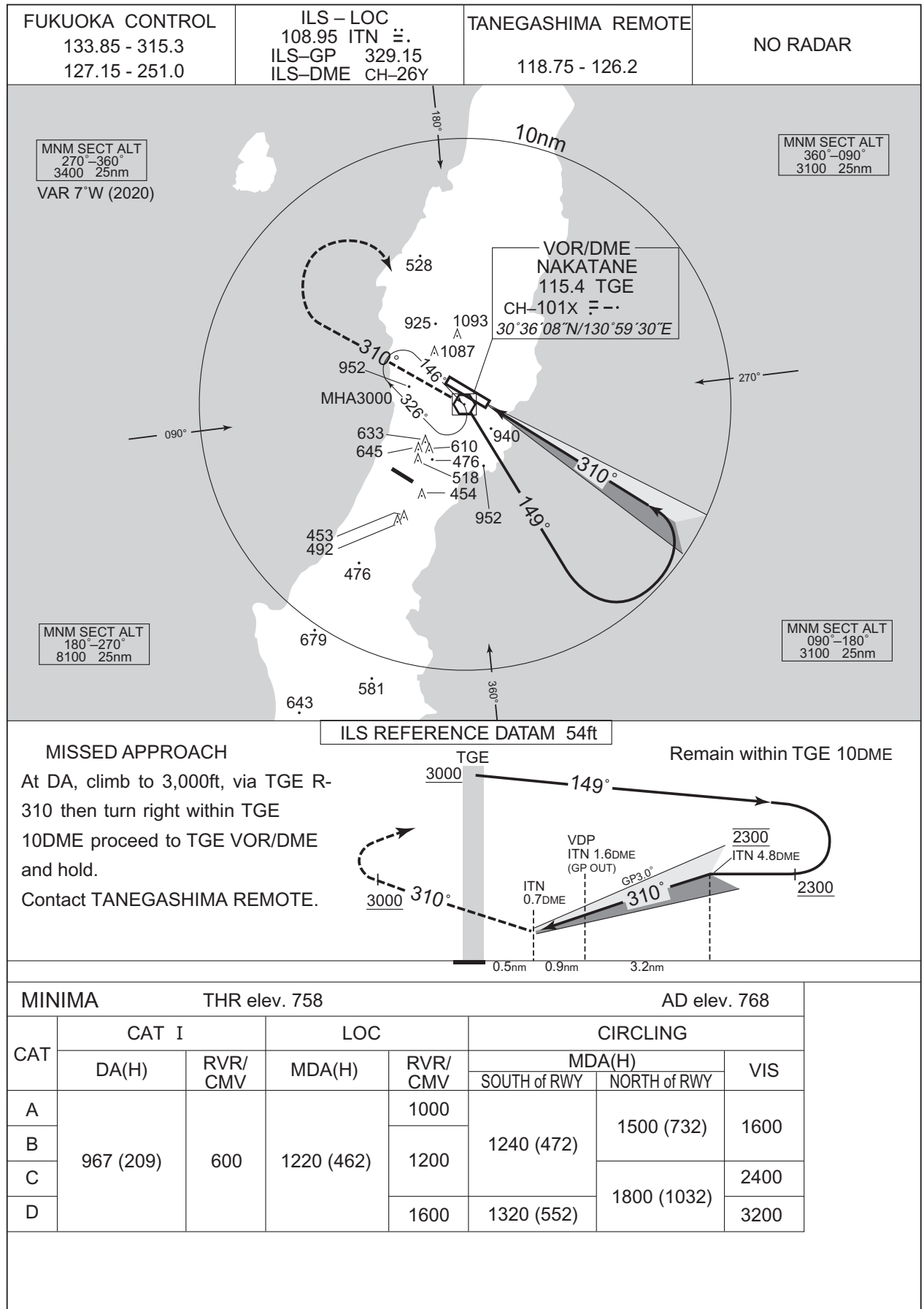


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INSTRUMENT APPROACH CHART

RJFG / TANEGASHIMA

VOR/DME/ILS RWY31

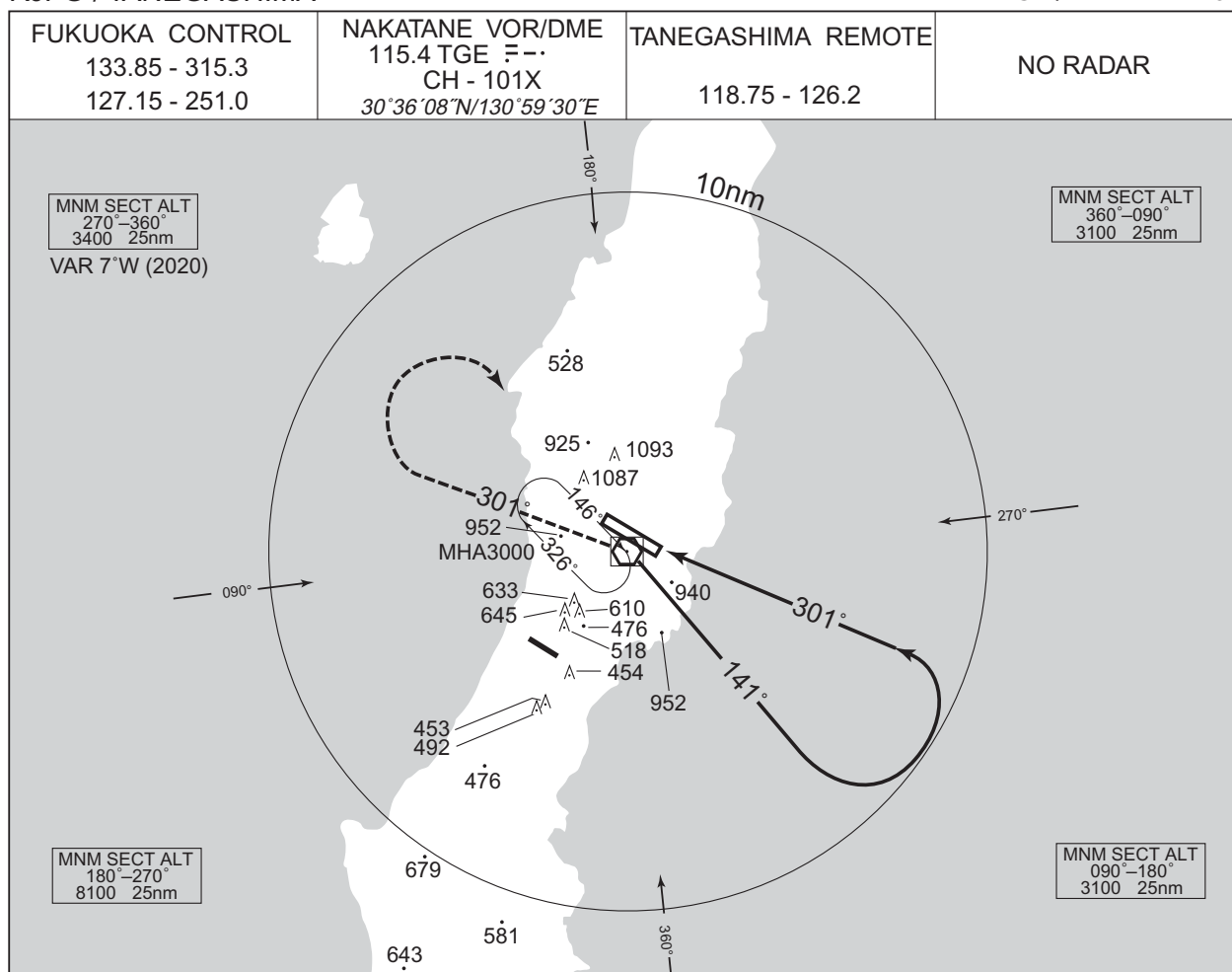


CHANGE: ATC FREQ.

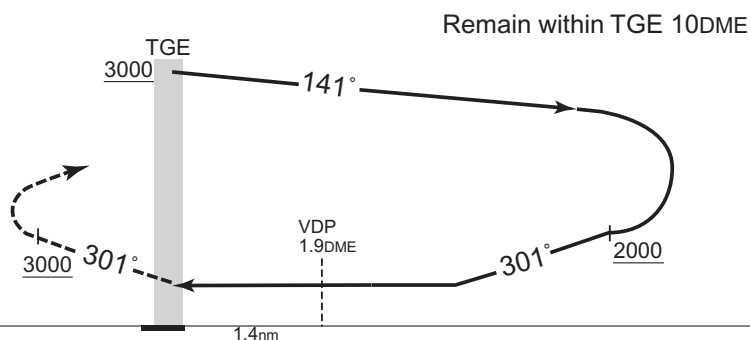
INSTRUMENT APPROACH CHART

RJFG / TANEGASHIMA

VOR/DME RWY31

**MISSED APPROACH**

At TGE VOR/DME, climb to 3,000ft, via TGE R-301, then turn right within TGE 10DME proceed to TGE VOR/DME and hold.
Contact TANEGASHIMA REMOTE.



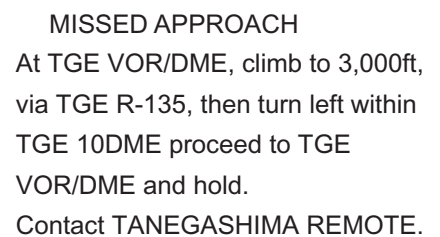
MINIMA THR elev. 758 AD elev. 768

| CAT | | | CIRCLING | | |
|-----|------------|-------------|--------------|--------------|------|
| | MDA(H) | RVR/ CMV | MDA(H) | | VIS |
| | | | SOUTH of RWY | NORTH of RWY | |
| A | 1240 (482) | 1000 | 1240 (472) | 1500 (732) | 1600 |
| B | | 1200 | | 1800 (1032) | 2400 |
| C | | | | | |
| D | | | 1600 | 1320 (552) | |

CHANGE: ATC FREQ.

RJFG / TANEGASHIMA

| | | | |
|---|--|--|----------|
| FUKUOKA CONTROL 133.85 - 315.3 127.15 - 251.0 | NAKATANE VOR/DME 115.4 TGE F-- CH - 101X 30°36'08"N/130°59'30"E | TANEGASHIMA REMOTE 118.75 - 126.2 | NO RADAR |
|---|--|--|----------|

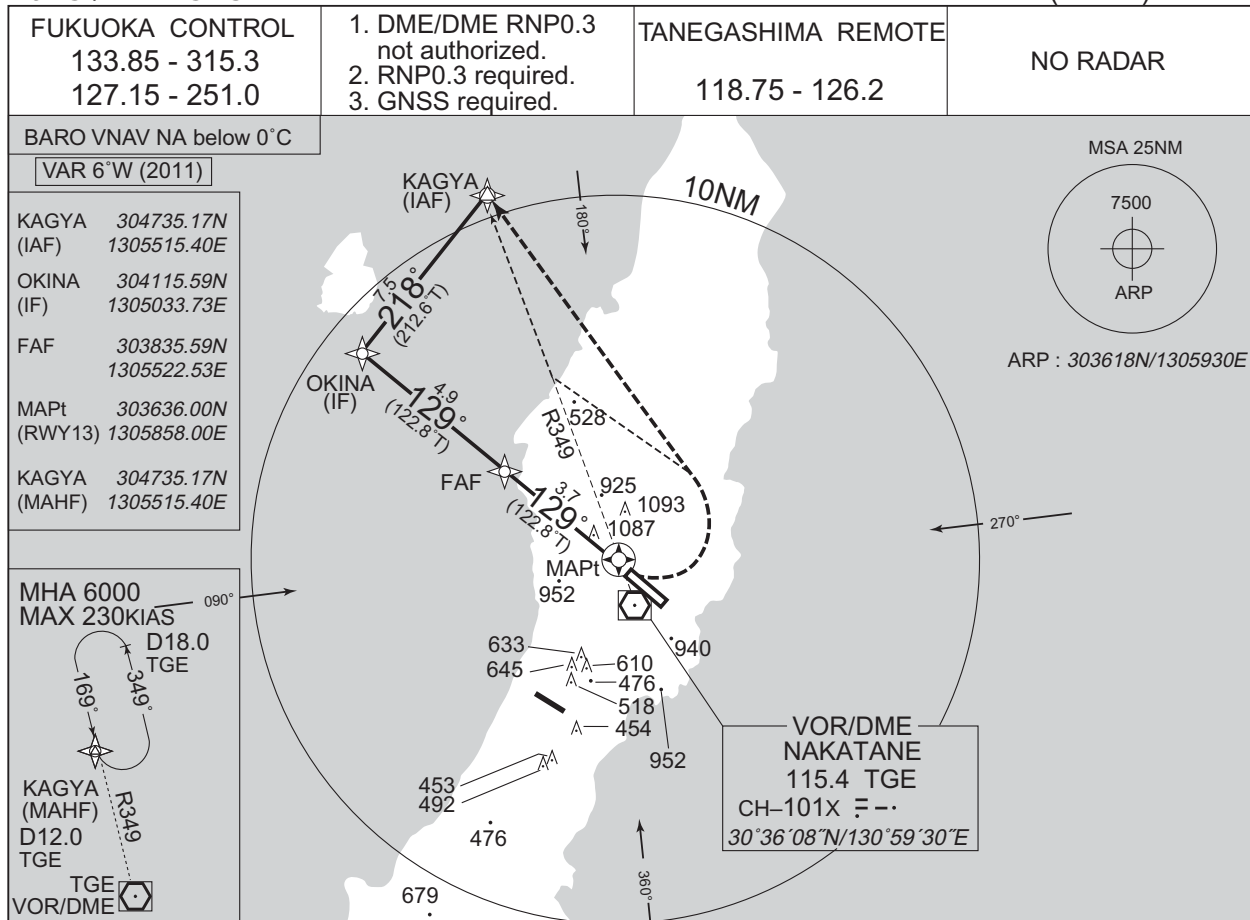
CHANGE: ATC FREQ.

Circling to NORTH side of RWY only.

INSTRUMENT APPROACH CHART

RJFG / TANEGASHIMA

RNAV(GNSS) RWY13

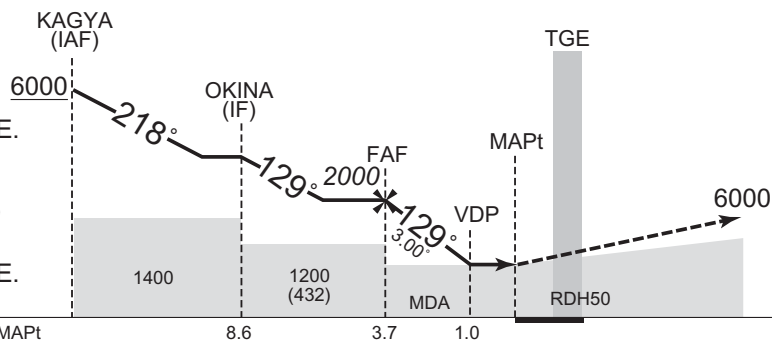


| NM to Next Fix | FAF | 3 | 2 | 1 | MAPt |
|----------------------|------|------|------|------|------|
| ALT (3.0° APCH Path) | 2000 | 1782 | 1464 | 1145 | — |

MISSED APPROACH

Climb to 6000FT, direct to KAGYA and hold.
Contact TANEGASHIMA REMOTE.

(For using VOR/DME)
Climb to 6000FT, via TGE R349 to KAGYA and hold.
Contact TANEGASHIMA REMOTE.



| MINIMA | THR elev. 778 | AD elev. 768 |
|--------|---------------|--------------|
|--------|---------------|--------------|

| CAT | LNAV/VNAV | | LNAV | | CIRCLING | |
|-----|------------|------|------------|------|-------------|------|
| | DA(H) | CMV | MDA(H) | CMV | MDA(H) | VIS |
| A | 1140 (362) | 1200 | 1140 (372) | 1200 | 1500 (732) | 1600 |
| B | | 1300 | | 1300 | | |
| C | | 1400 | | 1400 | 1800 (1032) | 2400 |
| D | | 1600 | | 1600 | | |

Circling to NORTH side of RWY only.

CHANGE: ATC FREQ.

RJFG / TANEGASHIMA

Visual REP



| Call sign | BRG / DIST from ARP | Remarks |
|---------------------|---------------------|--------------------|
| 喜志鹿崎 Kishigazaki | 014°/14.6NM | 灯台 Lighthouse |
| 西之表 Nishinoomote | 359°/ 7.5NM | 西之表港 Harbor |
| 10NM W | 270°/10.0NM | 海上 Over the sea |
| 島間 Shimama | 219°/10.5NM | 港 Harbor |
| 竹崎 Takezaki | 187°/12.9NM | 灯台 Lighthouse |

RJFG / TANEGASHIMA

Minimum Vectoring Altitude CHART



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

CENTER: 303618N/1305930E (ARP)