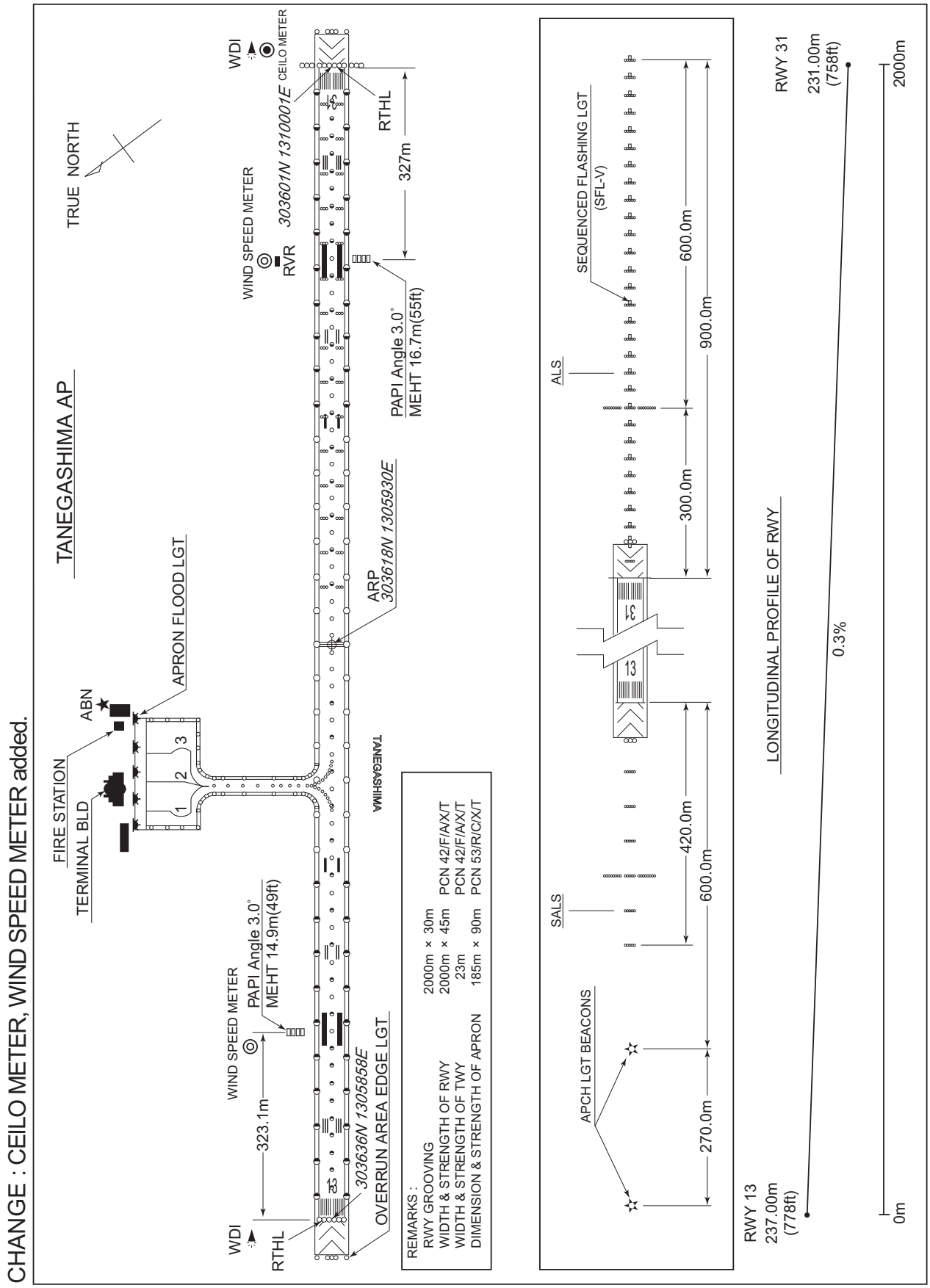
RJFG / TANEGASHIMA AD CHART



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STANDARD DEPARTURE CHART - INSTRUMENT

RJFG / TANEGASHIMA SID

CHANGE: PROC renamed. Radial FM TGE.

QUEEN TWO DEPARTURE

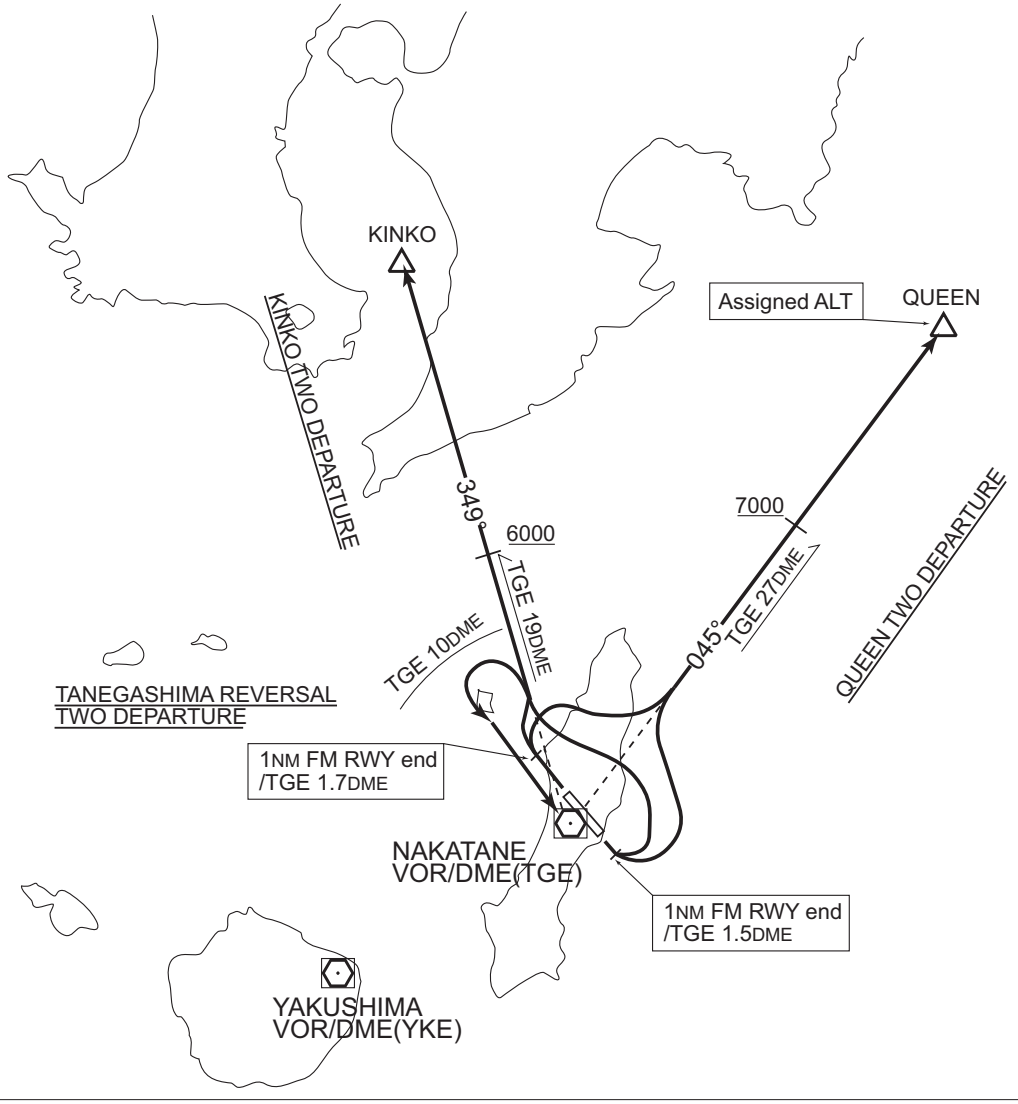
RWY13: Climb RWY HDG until 1NM from RWY end/TGE 1.5DME, turn left,...
RWY31: Climb RWY HDG until 1NM from RWY end/TGE 1.7DME, turn right,...
...Climb via TGE R-045 to QUEEN.
Cross TGE R-045/27DME at or above 7,000ft, cross QUEEN at assigned altitude.

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.

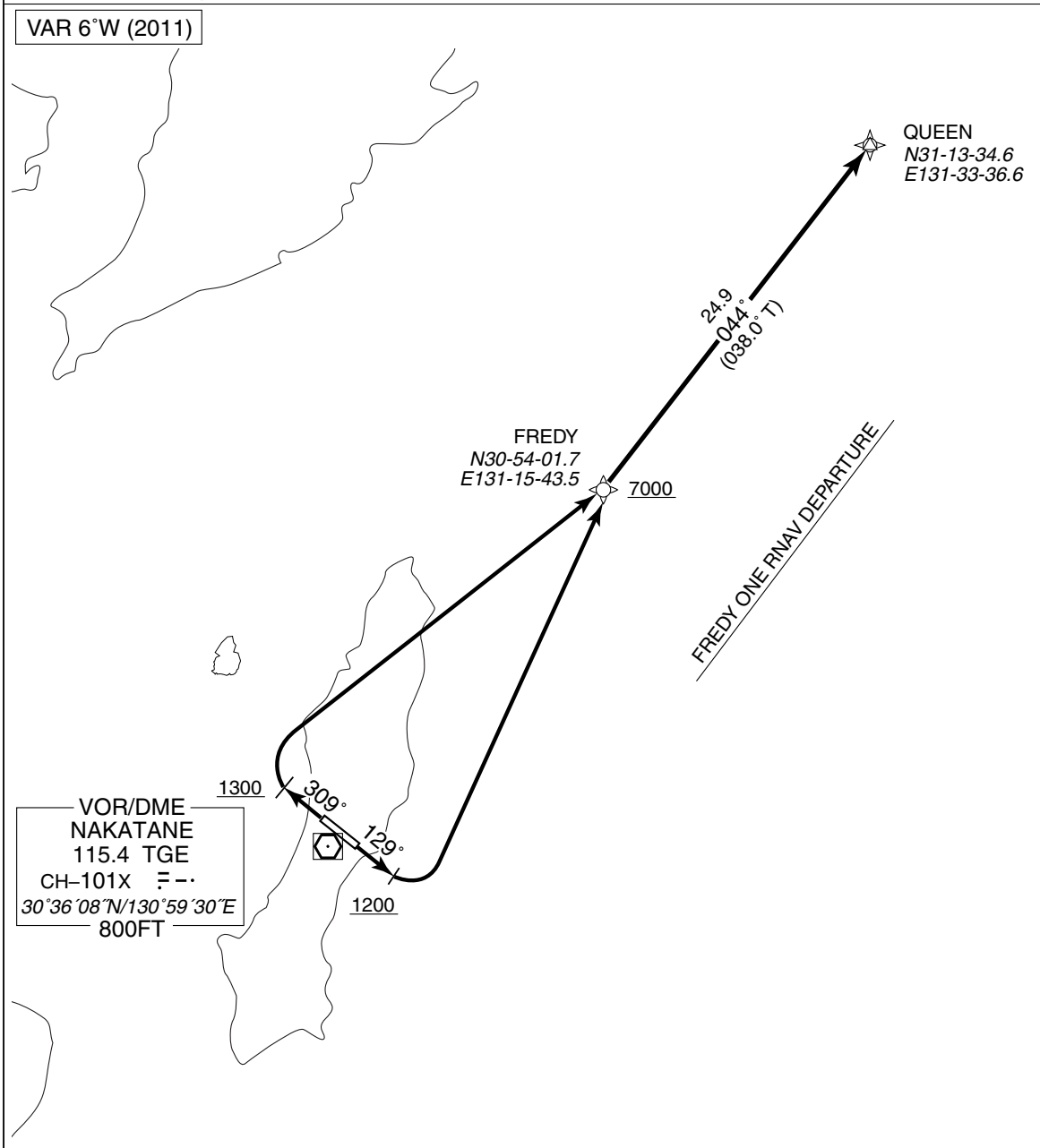


STANDARD DEPARTURE CHART -INSTRUMENT

RJFG / TANEGASHIMA RNAV SID

FREDY ONE RNAV DEPARTURE	Basic RNP1

Note GNSS required.



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

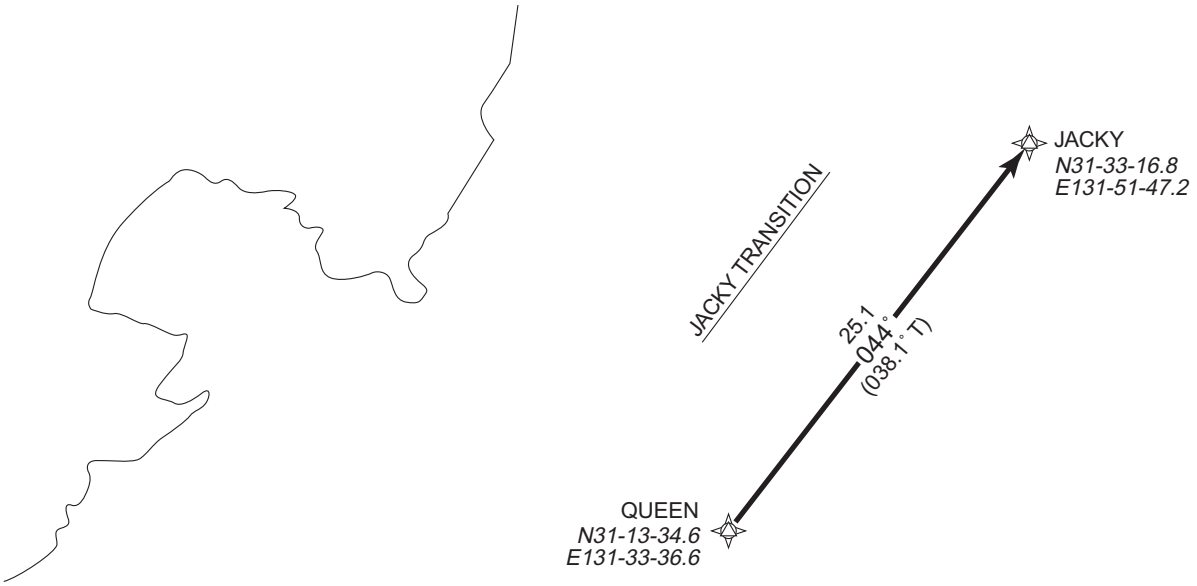
Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
VA	—	—	—	309° (302.9°)	—	+1300	—	—	Basic RNP1
DF	FREDY	—	—	—	R	+7000	—	—	Basic RNP1
TF	QUEEN	—	24.9	044° (038.0°)	—	—	—	—	Basic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

STANDARD DEPARTURE CHART -INSTRUMENT

RJFG / TANEGASHIMA RNAV TRANSITION

JACKY TRANSITION		RNAV 1
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 6˚W (2011)



JACKY TRANSITION

From QUEEN to JACKY.

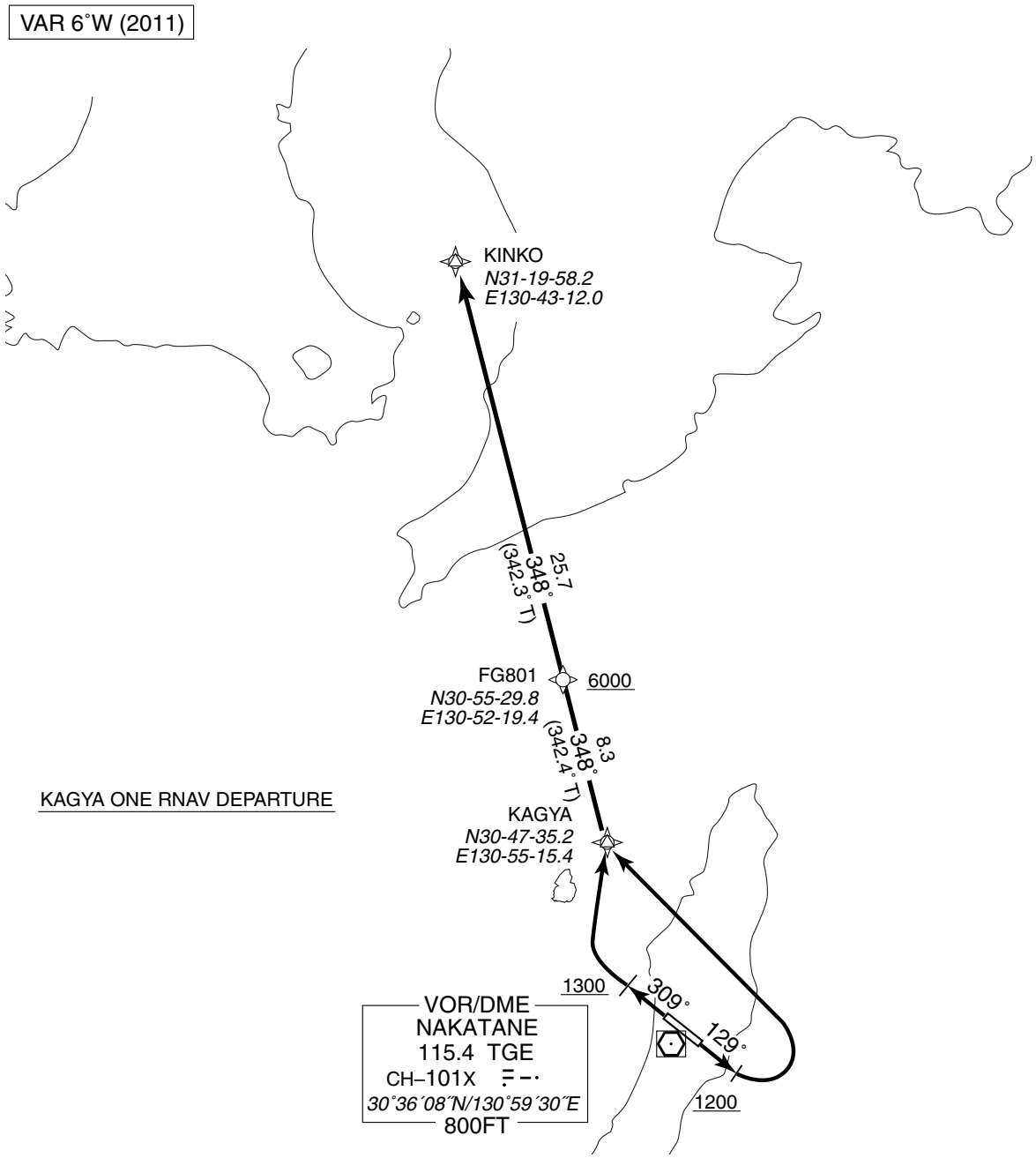
Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
IF	QUEEN	—	—	—	—	—	—	—	RNAV1
TF	JACKY	—	25.1	044˚ (038.1˚)	—	—	—	—	RNAV1

STANDARD DEPARTURE CHART -INSTRUMENT

RJFG / TANEGASHIMA RNAV SID

KAGYA ONE RNAV DEPARTURE	Basic RNP1

Note GNSS required.



KAGYA ONE RNAV DEPARTURE

RWY13 : Climb on HDG 129˚ at or above 1200FT, turn left direct to KAGYA, to FG801 at or above 6000FT, to KINKO.

RWY31 : Climb on HDG 309˚ at or above 1300FT, turn right direct to KAGYA, to FG801 at or above 6000FT, to KINKO.

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

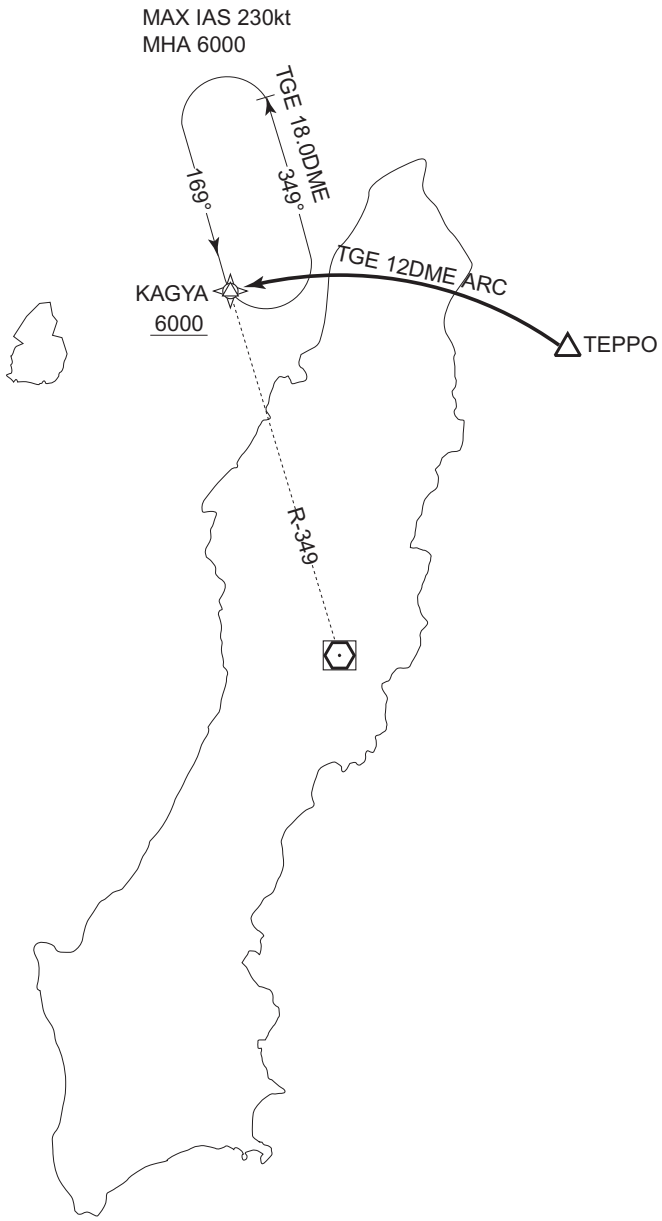
Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
VA	—	—	—	309° (302.9°)	—	+1300	—	—	Basic RNP1
DF	KAGYA	—	—	—	R	—	—	—	Basic RNP1
TF	FG801	—	8.3	348° (342.4°)	—	+6000	—	—	Basic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

STANDARD ARRIVAL CHART - INSTRUMENT

RJFG / TANEGASHIMA STAR

KAGYA ARRIVAL

From over TEPPO, 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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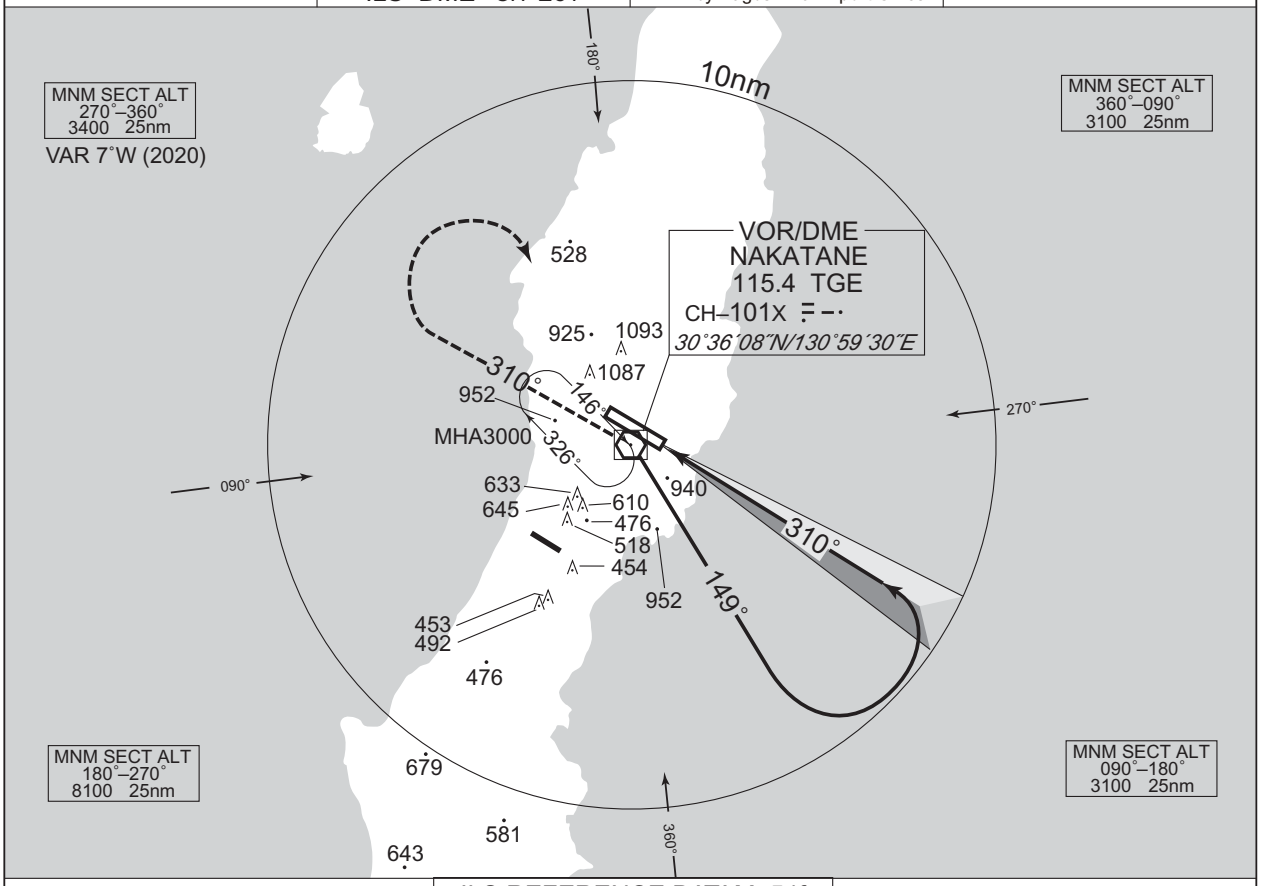
INSTRUMENT APPROACH CHART

RJFG / TANEGASHIMA — VOR/DME/ILS RWY31

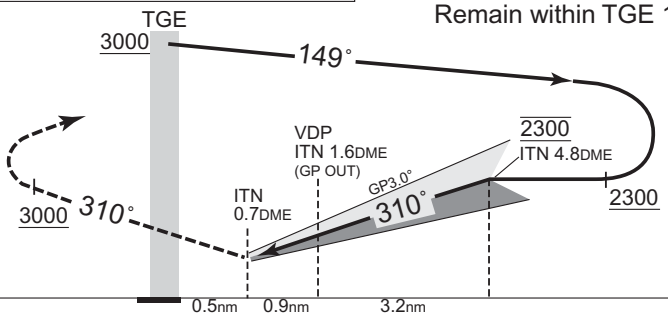
KOBE CONTROL	ILS – LOC	TANEGASHIMA RADIO	NO RADAR
133.85 - 315.3 127.15 - 251.0	108.95 ITN ILS–GP 329.15 ILS–DME CH–26Y	118.75 AFIS provided by Kagoshima Airport Office	



MISSED APPROACH

At DA, climb to 3,000ft, via TGE R-310 then turn right within TGE 10DME proceed to TGE VOR/DME and hold.

Contact TANEGASHIMA RADIO.



MINIMA THR elev. 758 AD elev. 768

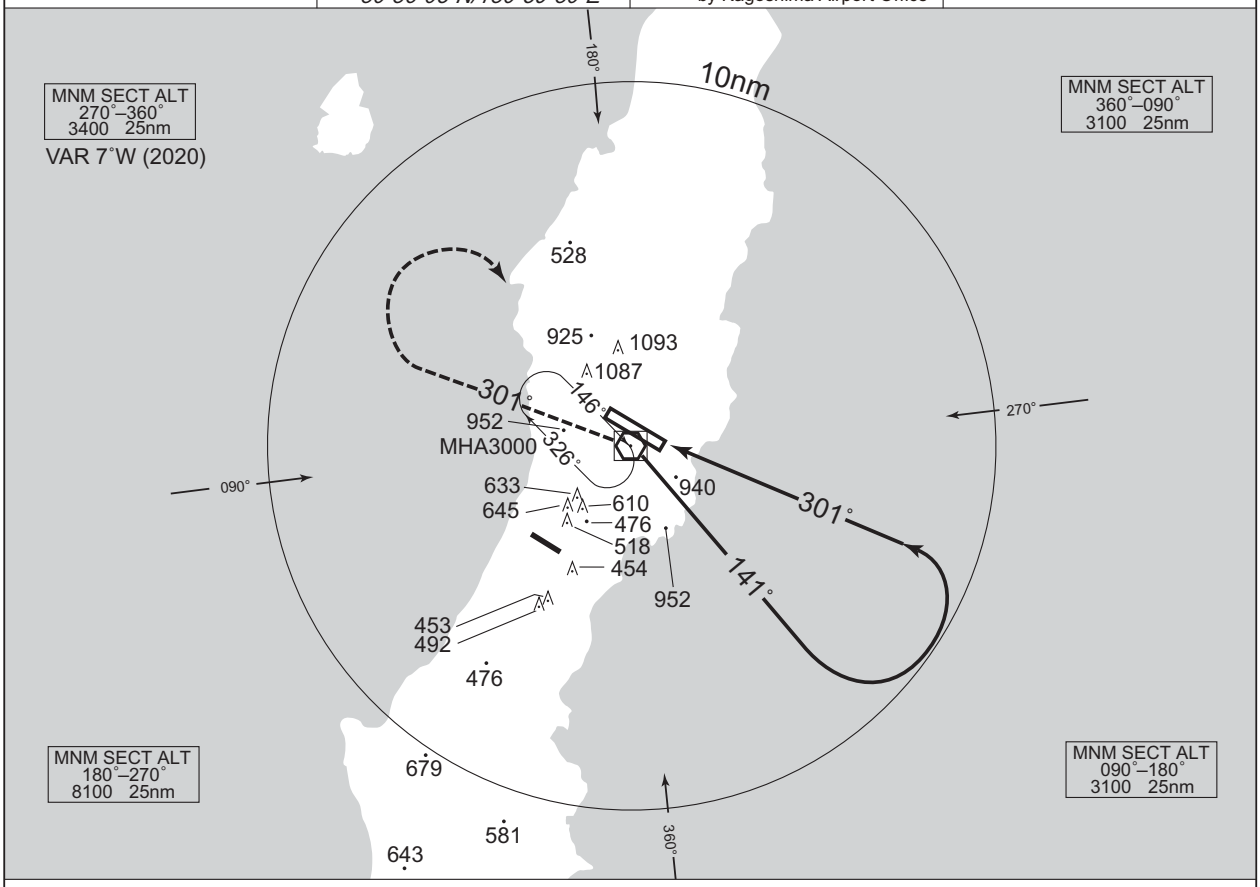
CAT	CAT I		LOC		CIRCLING		
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H) SOUTH of RWY	MDA(H) NORTH of RWY	VIS
A	967 (209)	600	1220 (462)	1000	1240 (472)	1500 (732)	1600
B				1200			
C						1800 (1032)	2400
D				1600	1320 (552)		3200

CHANGE : Secondary FREQ abolished(TANEGASHIMA RADIO).

INSTRUMENT APPROACH CHART

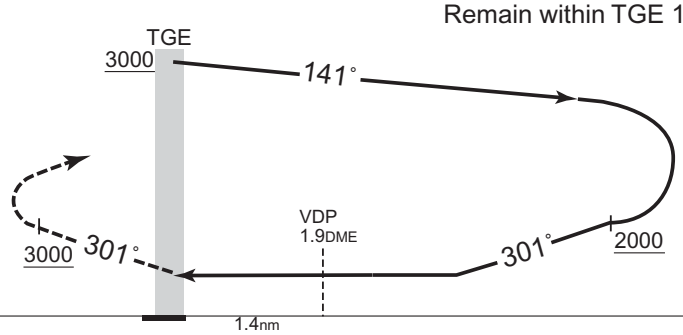
RJFG / TANEGASHIMA — VOR/DME RWY31

KOBE CONTROL	NAKATANE VOR/DME	TANEGASHIMA RADIO	NO RADAR
133.85 - 315.3 127.15 - 251.0	115.4 TGE CH - 101X *30°36′08″N/130°59′30″E*	118.75 AFIS provided by Kagoshima Airport Office	



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 RADIO.



MINIMA THR elev. 758 AD elev. 768

CAT			CIRCLING		
	MDA(H)	RVR/CMV	MDA(H) SOUTH of RWY	MDA(H) NORTH of RWY	VIS
A	1240 (482)	1000	1240 (472)	1500 (732)	1600
B		1200			
C				1800 (1032)	2400
D		1600	1320 (552)		3200

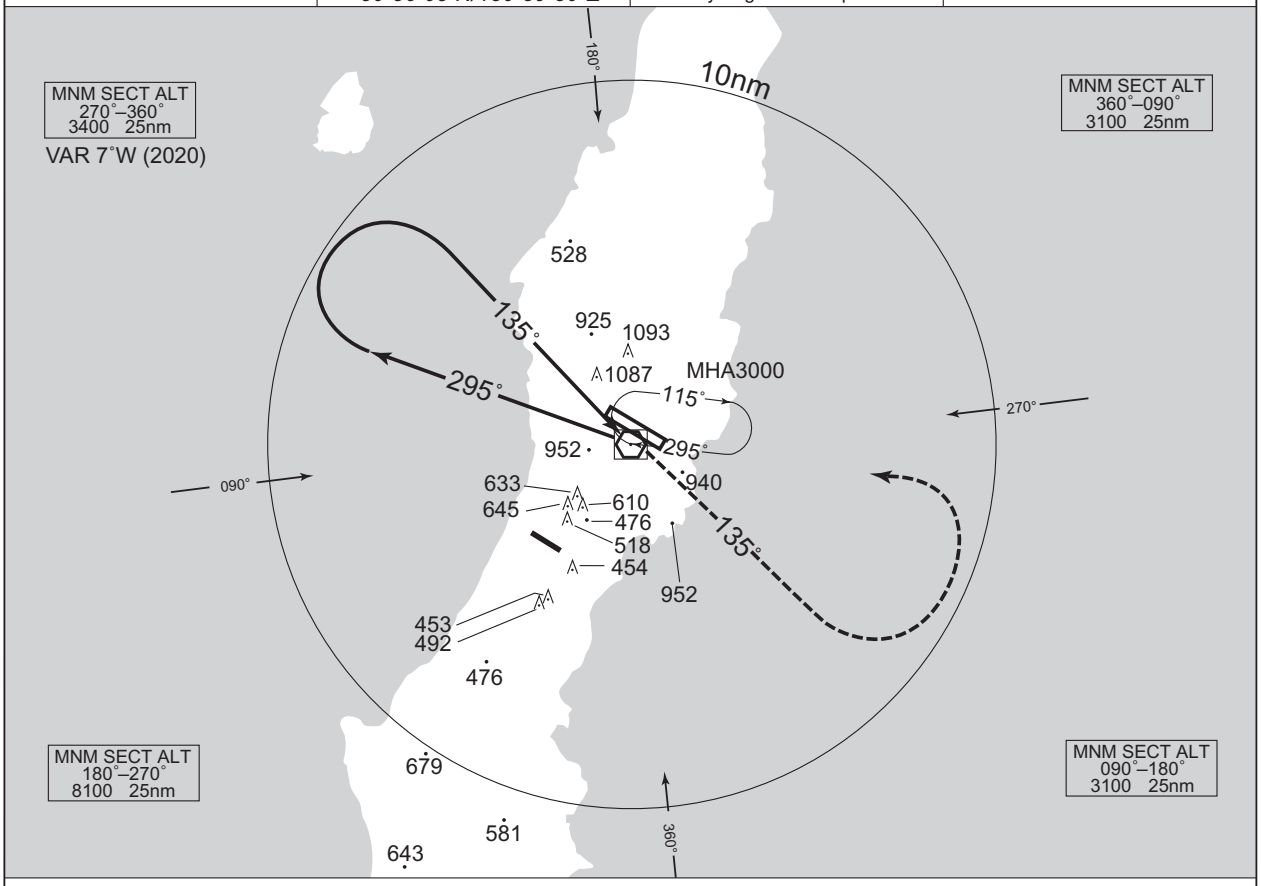
CHANGE : Secondary FREQ abolished(TANEGASHIMA RADIO).

INSTRUMENT APPROACH CHART

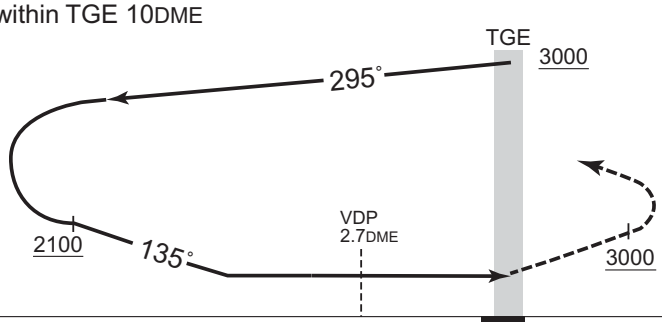
RJFG / TANEGASHIMA

VOR/DME RWY13

KOBE CONTROL	NAKATANE VOR/DME	TANEGASHIMA RADIO	NO RADAR
133.85 - 315.3 127.15 - 251.0	115.4 TGE CH - 101X *30°36′08″N/130°59′30″E*	118.75 AFIS provided by Kagoshima Airport Office	



Remain within TGE 10DME



MISSED APPROACH
At TGE VOR/DME, climb to 3,000ft, via TGE R-135, then turn left within TGE 10DME proceed to TGE VOR/DME and hold.
Contact TANEGASHIMA RADIO.

MINIMA THR elev. 778 AD elev. 768

CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	1400 (632)	1400	1500 (732)	1600
B		1500		
C		1600	1800 (1032)	2400
D		1800		3200

Circling to NORTH side of RWY only.

CHANGE : Secondary FREQ abolished(TANEGASHIMA RADIO).

INSTRUMENT APPROACH CHART

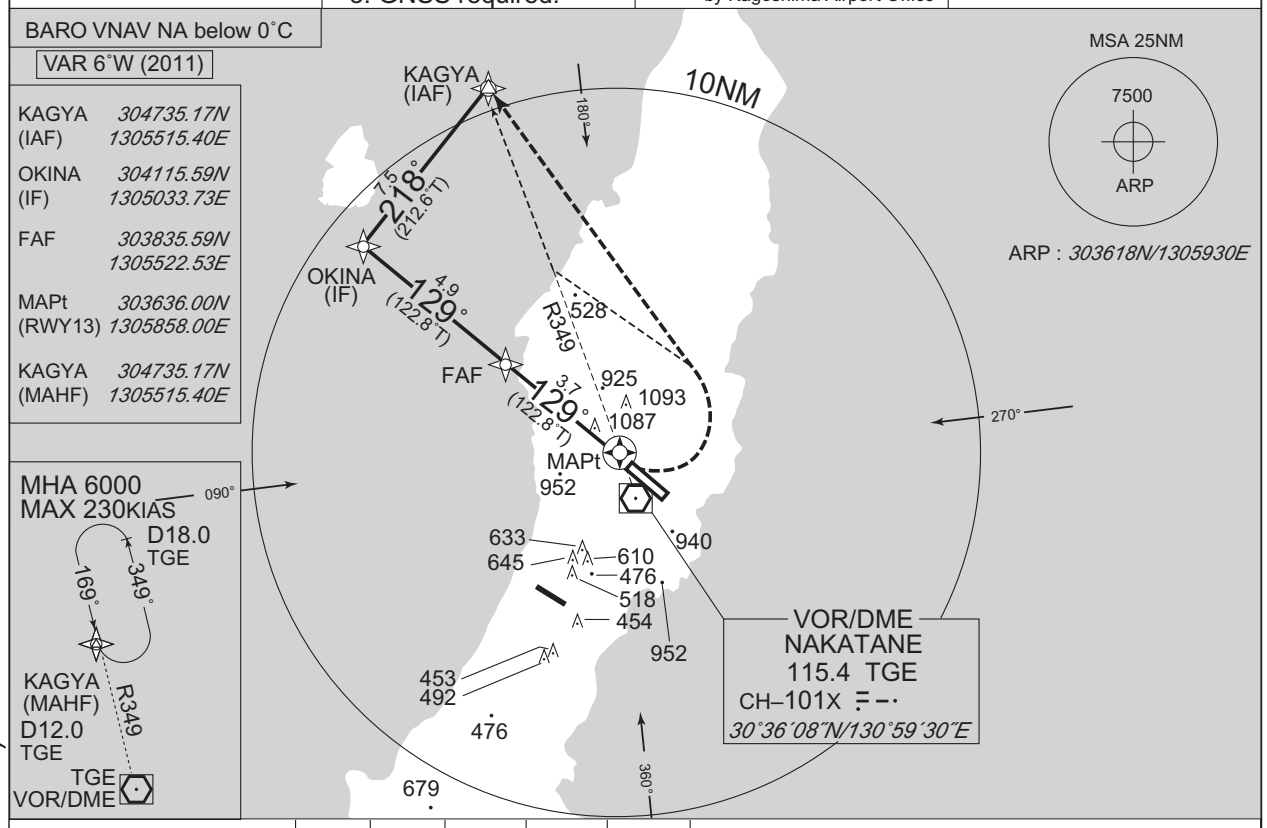
RJFG / TANEGASHIMA — RNAV(GNSS) RWY13

KOBE CONTROL		TANEGASHIMA RADIO	
133.85 - 315.3 127.15 - 251.0	1. DME/DME RNP0.3 not authorized. 2. RNP0.3 required. 3. GNSS required.	118.75 AFIS provided by Kagoshima Airport Office	NO RADAR

BARO VNAV NA below 0˚C

VAR 6˚W (2011)

KAGYA (IAF)	*304735.17N 1305515.40E*
OKINA (IF)	*304115.59N 1305033.73E*
FAF	*303835.59N 1305522.53E*
MAPt (RWY13)	*303636.00N 1305858.00E*
KAGYA (MAHF)	*304735.17N 1305515.40E*

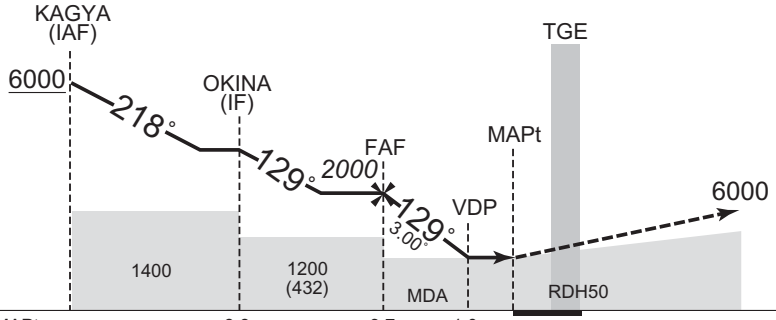


NM to Next Fix	FAF	3	2	1	MAPt
ALT (3.0˚ APCH Path)	2000	1782	1464	1145	–

MISSED APPROACH

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

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



MINIMA — THR elev. 778 — AD elev. 768

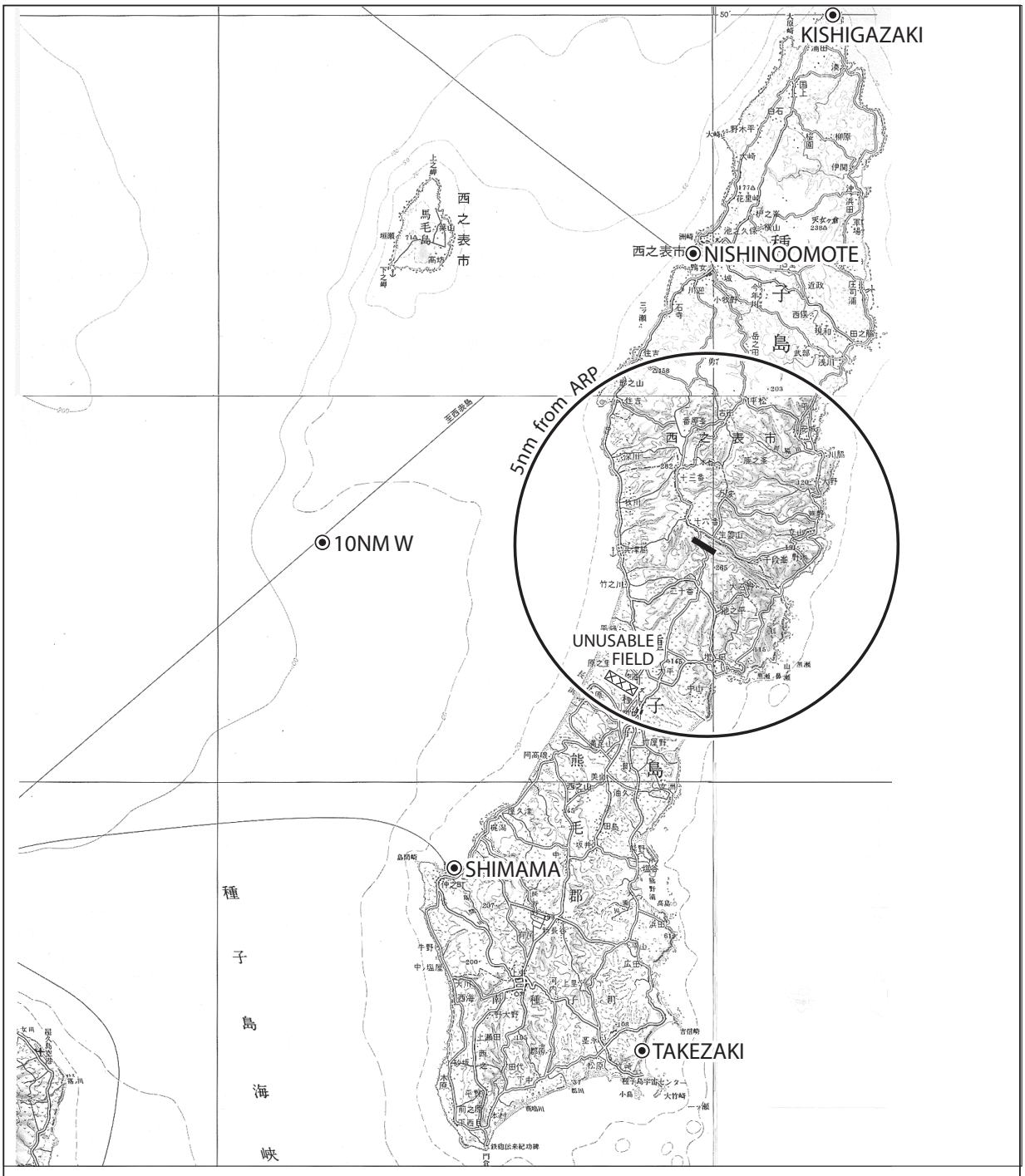
CAT	LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	CMV	MDA(H)	CMV	MDA(H)	VIS
A	1140 (362)	1200	1140 (372)	1200	1500 (732)	1600
B		1300		1300		
C		1400		1400	1800 (1032)	2400
D		1600		1600		3200

Circling to NORTH side of RWY only.

CHANGE : Secondary FREQ abolished(TANEGASHIMA RADIO).

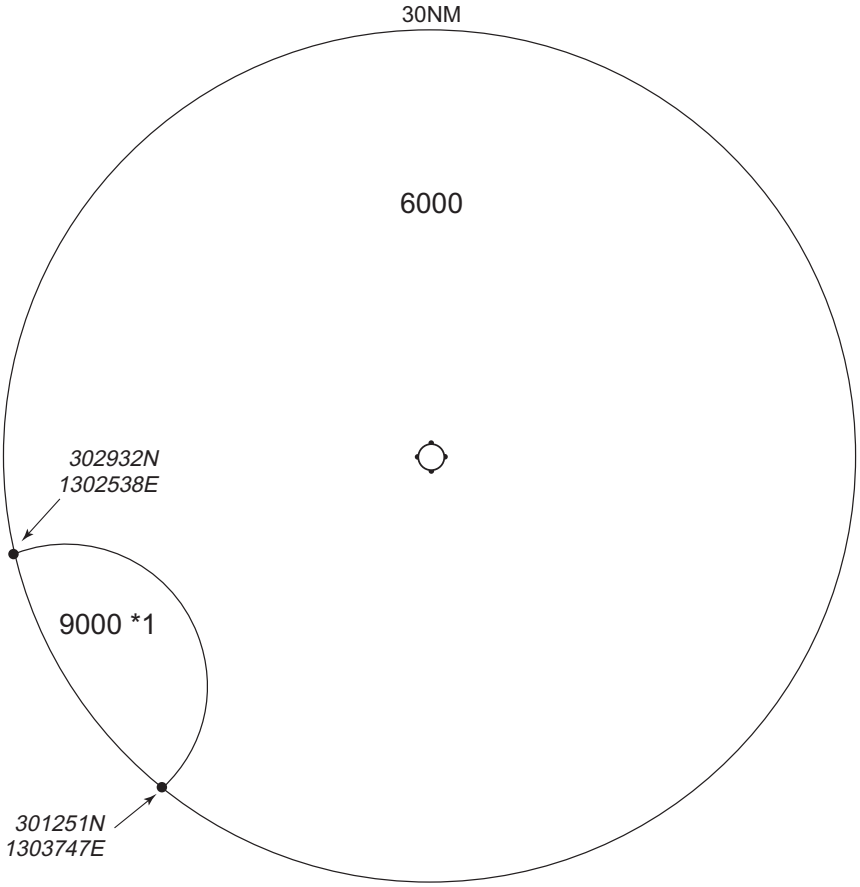
RJFG / TANEGASHIMA

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)