



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.

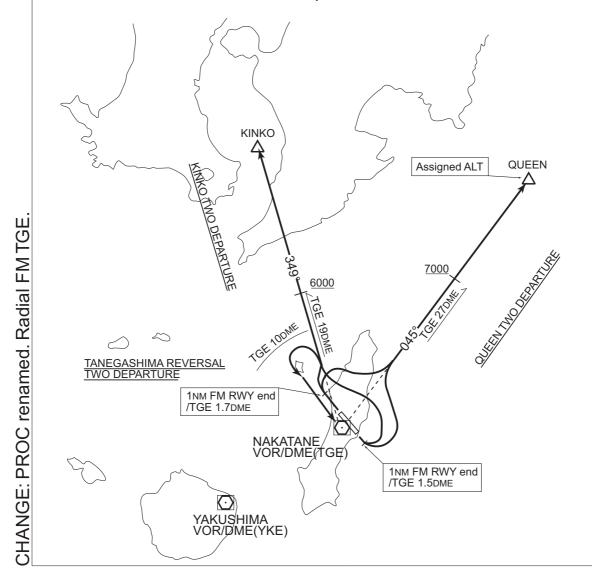
Cross TGE R-349/19DME at or above 6,000ft.

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.



RJFG / TANEGASHIMA **RNAV SID** FREDY ONE RNAV DEPARTURE Basic RNP1 Note GNSS required. VAR 6°W (2011) QUEEN N31-13-34.6 E131-33-36.6 **FREDY** N30-54-01.7 E131-15-43.5 7000 <u>1300</u> VOR/DME -**NAKATANE** 115.4 TGE CH-101X ₹--30°36′08″N/130°59′30″E 1200 800FT 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 $^{\circ}$ at or above 1300FT, turn right direct to FREDY at or above

7000FT, to QUEEN.

RJFG / TANEGASHIMA

RNAV SID

FREDY ONE RNAV DEPARTURE

RWY13

D 1 D 11	Fix ID		D: 1	MAGT	_	A ICC I	Speed	V C I	N1 1 C
Rcmd. Path Terminator	////	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	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

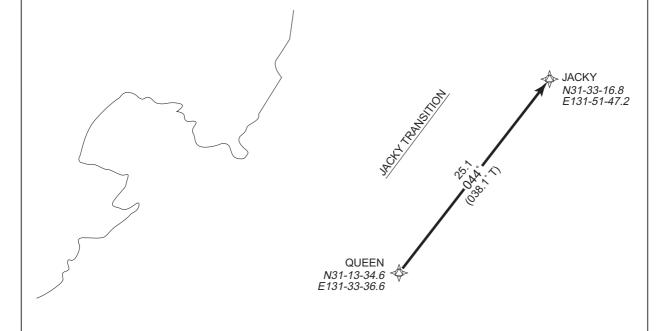
Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
VA	_	_	_	309° (302.9°)	_	+1300	_	_	Basic RNP1
DF	FREDY	_	_	_	R	+7000	_	_	Basic RNP1
TF	QUEEN	_	24.9	044° (038.0°)	_	_	_	_	Basic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

RJFG / TANEGASHIMA

RNAV TRANSITION

	JACKY TRA	RNAV 1			
Note	1) DME/DME/IRU or GNSS required.	Critical DME	-		
	2) RADAR service required.	DME GAP	_		
		Inappropriate Navaids	See AD1.1.6.10.3. Inapp	propriate 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)		Navigation Performance
IF	QUEEN	_	_	_	_	_	_	_	RNAV1
TF	JACKY	_	25.1	044° (038.1°)	_	_	_	_	RNAV1

RJFG / TANEGASHIMA **RNAV SID** KAGYA ONE RNAV DEPARTURE Basic RNP1 Note GNSS required. VAR 6°W (2011) KINKO N31-19-58.2 E130-43-12.0 FG801 <u>6000</u> N30-55-29.c E130-52-19.4 KAGYA ONE RNAV DEPARTURE **KAGYA** N30-47-35.2 E130-55-15.4 1300 VOR/DME -**NAKATANE** 115.4 TGE CH-101X ₹--30°36′08″N/130°59′30″E 1200 800FT

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.

RJFG / TANEGASHIMA

RNAV SID

KAGYA ONE RNAV DEPARTURE

RWY13

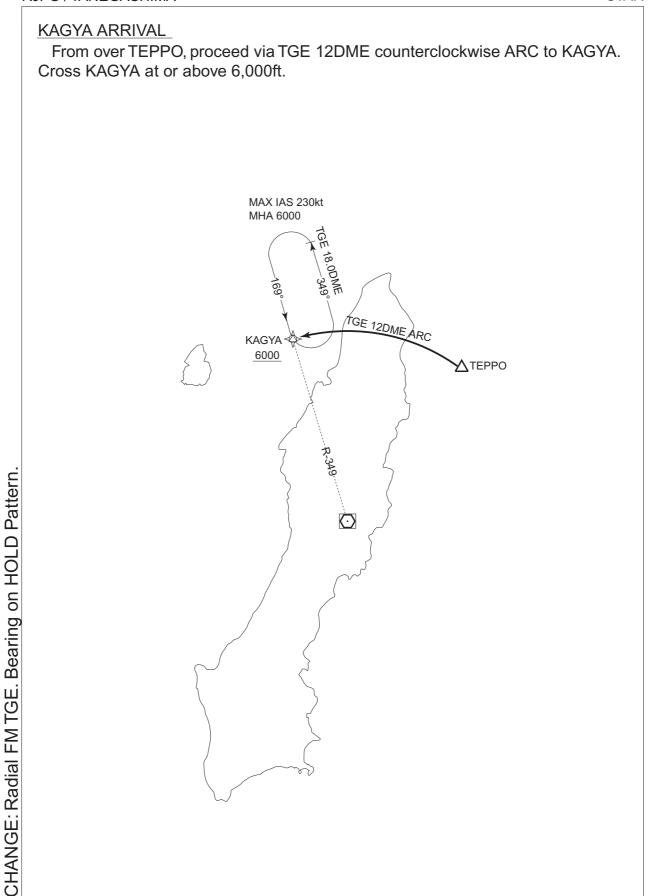
Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
VA	_	_	_	129° (122.9°)	_	+1200	_	_	Basic RNP1
DF	KAGYA	_	_	_	L	_	_	_	Basic RNP1
TF	FG801	_	8.3	348° (342.4°)	_	+6000	_	_	Basic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

RWY31

Rcmd. Path Terminator		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



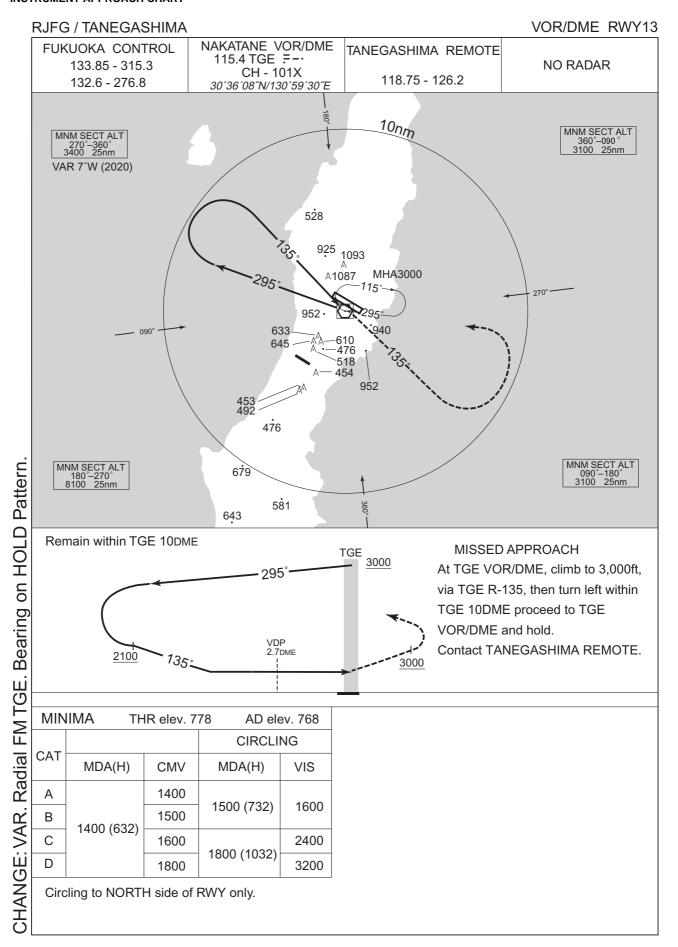


INSTRUMENT APPROACH CHART VOR/DME/ILS RWY31 RJFG / TANEGASHIMA ILS - LOC FUKUOKA CONTROL TANEGASHIMA REMOTE 108.95 ITN ∷. **NO RADAR** 133.85 - 315.3 ILS-GP ILS-DME 329.15 118.75 - 126.2 132.6 - 276.8 CH-26Y 10nm MNM SECT ALT 360°-090° 3100 25nm MNM SECT ALT 270°-360° 3400 25nm VAR 7°W (2020) VOR/DME 528 NAKATANE 115.4 TGE CH-101X = --925. 1093 30°36′08″N/130°59′30″E A1087 952 270° MHA3000 633 0909 645 476 518 454 476 MNM SECT ALT 090°-180° 3100 25nm MNM SECT ALT 180°-270° 8100 25nm 679 581 643 ILS REFERENCE DATAM 54ft MISSED APPROACH Remain within TGE 10DME TGE 3000 At DA, climb to 3,000ft, via TGE R-∙149°. 310 then turn right within TGE 2300 VDP ITN 1.6DME (GP OUT) 10DME proceed to TGE VOR/DME ITN 4.8DME and hold. 2300 ITN 0.7DME 3000 310: 10 Contact TANEGASHIMA REMOTE. 0.5nm 0.9nm 3.2nm **MINIMA** THR elev. 758 AD elev. 768 CAT I LOC **CIRCLING** CHANGE: GP angle added CAT MDA(H) RVR/ RVR/ DA(H) MDA(H) VIS CMV SOUTH of RWY NORTH of RWY CMV Α 1000 1500 (732) 1600 В 1240 (472) 600 1220 (462) 1200 967 (209) С 2400 1800 (1032) D 3200 1600 1320 (552)

INSTRUMENT APPROACH CHART

VOR/DME RWY31 RJFG / TANEGASHIMA NAKATANE VOR/DME FUKUOKA CONTROL TANEGASHIMA REMOTE 115.4 TGE ₹--NO RADAR 133.85 - 315.3 CH - 101X 118.75 - 126.2 132.6 - 276.8 30°36′08″N/130°59′30″E 10nm MNM SECT ALT 360°-090° 3100 25nm MNM SECT ALT 270°-360° 3400 25nm VAR 7°W (2020) 528 925 · △ 1093 A1087 -301 270° 952 MHA3000 633 940 090 -610 645 476 518 454 952 476 MNM SECT ALT 090°-180° 3100 25nm Bearing on HOLD Pattern. MNM SECT ALT 180°-270° 8100 25nm 679 581 360 643 Remain within TGE 10DME MISSED APPROACH **TGE** 3000 At TGE VOR/DME, climb to 3,000ft, 141°. via TGE R-301, then turn right within TGE 10DME proceed to TGE VOR/DME and hold. VDP Contact TANEGASHIMA REMOTE. 1.9DME 2000 3000 301 301 CHANGE: VAR. Radial FM TGE. 1.4nm **MINIMA** THR elev. 758 AD elev. 768 **CIRCLING** CAT RVR/ MDA(H) MDA(H) **VIS** CMV SOUTH of RWY NORTH of RWY Α 1000 1500 (732) 1600 В 1240 (472) 1240 (482) 1200 С 2400 1800 (1032) D 1600 1320 (552) 3200

INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

