AD 2 AERODROMES

RJFG AD 2.1 AERODROME LOCATION INDICATOR AND NAME

RJFG - TANEGASHIMA

RJFG AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	*303618N/1305930E* 123°/1.0km FM RWY13 THR
2	Direction and distance from (city)	7.6nm S FM Nishinoomote City
3	Elevation/ Reference temperature	768ft / -
4	Geoid undulation at AD ELEV PSN	29.4m(96ft)
5	MAG VAR/ Annual change	5° 47'W (2005) / Annual Change 2'W
6	AD Administration, address, telephone, telefax, telex, AFS, e-mail and/or Web-site addresses	KAGOSHIMA PREF Nakatane-Town, Kagoshima Pref. 891-3603 Japan Tel: 0997-27-5111, Fax: 0997-27-7373 E-mail:tane-kanri@ever.ocn.ne.jp
7	Types of traffic permitted (IFR/VFR)	IFR/VFR
8	Remarks	Nil

RJFG AD 2.3 OPERATIONAL HOURS

1	AD Administration	2330-0930
2	Customs and immigration	On request Customs: 099-260-3125 Immigration: 099-222-5658
3	Health and sanitation	Quarantine(human): On request(099-222-8670) Quarantine(animal, plant): Nil
4	AIS Briefing Office	Nil
5	ATS Reporting Office(ARO)	Nil
6	MET Briefing Office	H24 (FUKUOKA)
7	ATS	2330-0930 Remarks: Airport Remote Mobile Communication Service provided by Kagoshima FSC.
8	Fuelling	2330-0930
9	Handling	2330-0930
10	Security	2330-0930
11	De-icing	Nil
12	Remarks	Nil

RJFG AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	Nil
2	Fuel/ oil types	Fuel grades: Jet A1, AVGAS
3	Fuelling facilities/ capacity	Fuel Truck / ASK AD Administration
4	De-icing facilities	Not available
5	Hangar space for visiting aircraft	Not available
6	Repair facilities for visiting aircraft	Not available
7	Remarks	Nil

RJFG AD 2.5 PASSENGER FACILITIES

1	Hotels	Hotels in Nishinoomote city
2	Restaurants	At Airport
3	Transportation	Buses and Taxi
4	Medical facilities	Hospital in Nishinoomote city 14km
5	Bank and Post Office	Bank and Post Office in Nishinoomote city
6	Tourist Office	Not available
7	Remarks	Nil

RJFG AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	CAT 7
2	Rescue equipment	Chemical fire fighting truck × 2
3	Capability for removal of disabled aircraft	to be developed
4	Remarks	Nil

RJFG AD 2.7 SEASONAL AVAILABILITY-CLEARING

1	Types of clearing equipment	Not available
2	Clearance priorities	Nil
3	Remarks	Nil

RJFG AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1	Apron surface and strength	Surface: cement-concrete Strength: PCN 53/R/C/X/T
2	Taxiway width, surface and strength	Width: 23m, Surface: asphalt-concrete Strength: PCN 42/F/A/X/T
3	ACL and elevation	Not available
4	VOR checkpoints	Not available
5	INS checkpoints	(Spot NR) 1 *303632N 1305927E* 2 *303631N 1305929E* 3 *303630N 1305930E*
6	Remarks	Nil

RJFG AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	Use of aircraft stand ID signs, TWY guide lines and Visual docking/ parking guidance system of aircraft stands	Nil
2	RWY and TWY markings and LGT	RWY: (RWY 13/31) (Marking): RWY designation, RWY CL, RWY THR, RWY middle point, Aiming point, TDZ, RWY side stripe (LGT): RCLL, REDL, RTHL, RENL, RTZL(RWY31), WBAR(RWY31) TWY: All TWY (Marking): TWY CL, RWY HLDG PSN, TWY side stripe (LGT): TWY edge LGT, TWY CL LGT
3	Stop bars	Nil
4	Remarks	(Marking) Overrun area marking (LGT) Apron flood LGT

RJFG AD 2.10 AERODROME OBSTACLES

In Area2 Nil

In Area3 To be developed

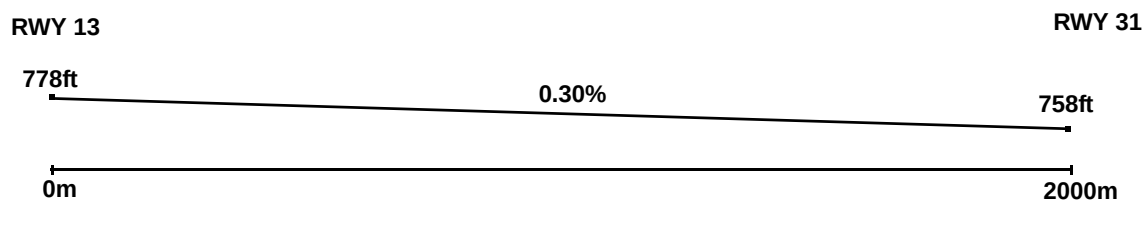
RJFG AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	FUKUOKA
2	Hours of service MET Office outside hours	H24 (FUKUOKA)
3	Office responsible for TAF preparation Periods of validity	Nil
4	Trend forecast Interval of issuance	Nil
5	Briefing/ consultation provided	Briefing is available upon inquiry at FUKUOKA
6	Flight documentation Language(s) used	C En
7	Charts and other information available for briefing or consultation	S_6, U_{85}, U_7, U_5, U_3, U_{25}, U_2/T_r, P_S, P_5, P_3, P_{25}, P_{SWE}, P_{SWF}, P_{SWG}, P_{SWI}, P_{SWM}, P_{SW}(domestic), E, C, W_E, W_F, W_G, W_I, W, N
8	Supplementary equipment available for providing information	Nil
9	ATS units provided with information	REMOTE
10	Additional information(limitation of service, etc.)	Nil

RJFG AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE BRG	Dimensions of RWY(M)	Strength(PCN) and surface of RWY	THR coordinates THR geoid undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
13	122.91°	2000×45	PCN42/F/A/X/T Asphalt Concrete	*303636N/1305858E* 97ft	THR ELEV:778ft
31	302.91°	2000×45	PCN42/F/A/X/T Asphalt Concrete	*303601N/1310001E* 96ft	THR ELEV:758ft TDZ ELEV:766.7ft

Slope of RWY	Strip Dimensions(M)	RESA(Overrun) Dimensions(M)	Remarks
7	10	11	14
See below figure	2120×300	40x300	RWY grooving: 2000×30m
See below figure	2120×300	190x(MNM:160 MAX:300)*	RWY grooving: 2000×30m
		*For detail, ask airport administrator	



RJFG AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6
13	2000	2000	2000	2000	Nil
31	2000	2000	2000	2000	Nil

RJFG AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT type LEN INTST	RTHL Color WBAR	PAPI (VASIS) Angle DIST FM THR MEHT	RTZL LEN	RCLL LEN Spacing Color INTST	REDL LEN Spacing Color INTST	RENL Color WBAR	STWL LEN Color
1	2	3	4	5	6	7	8	9
13	SALS (*1) 420m LIH	Green -	PAPI 3.0°/LEFT 323m 49ft	-	2,000m 30m Coded color (White/Red) LIH	2,000m 60m Coded color (White/Yellow) LIH	Red	Nil(*2)
31	PALS (CAT I) 900m LIH	Green Green	PAPI 3.0°/LEFT 327m 55ft	900m	2,000m 30m Coded color (White/Red) LIH	2,000m 60m Coded color (White/Yellow) LIH	Red	Nil(*2)
Remarks								
10								
SALS with APCH LGT beacon(600m and 870m FM RWY THR)(*1) Overrun area edge LGT(LEN:60m Color:Red)(*2)								

RJFG AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and hours of operation	ABN: *303631N/1305935E* White/Green EV4.3sec, HO
2	LDI location and LGT Anemometer location and LGT	LDI: Nil Anemometer: RWY13: 300m from RWY13 THR, LGTD RWY31: 294m from RWY31 THR, LGTD
3	TWY edge and centerline lighting	TWY edge LGT: Blue TWY centerline LGT: ALTN Green/Yellow FM RWY leaving report point, other Green
4	Secondary power supply/ switch-over time	Within 1sec: REDL, RENL, RTHL, WBAR, RCLL and Overrun area edge LGT Within 15sec: Other Lights
5	Remarks	WDI LGT

RJFG AD 2.16 HELICOPTER LANDING AREA

Nil

RJFG AD 2.17 ATS AIRSPACE

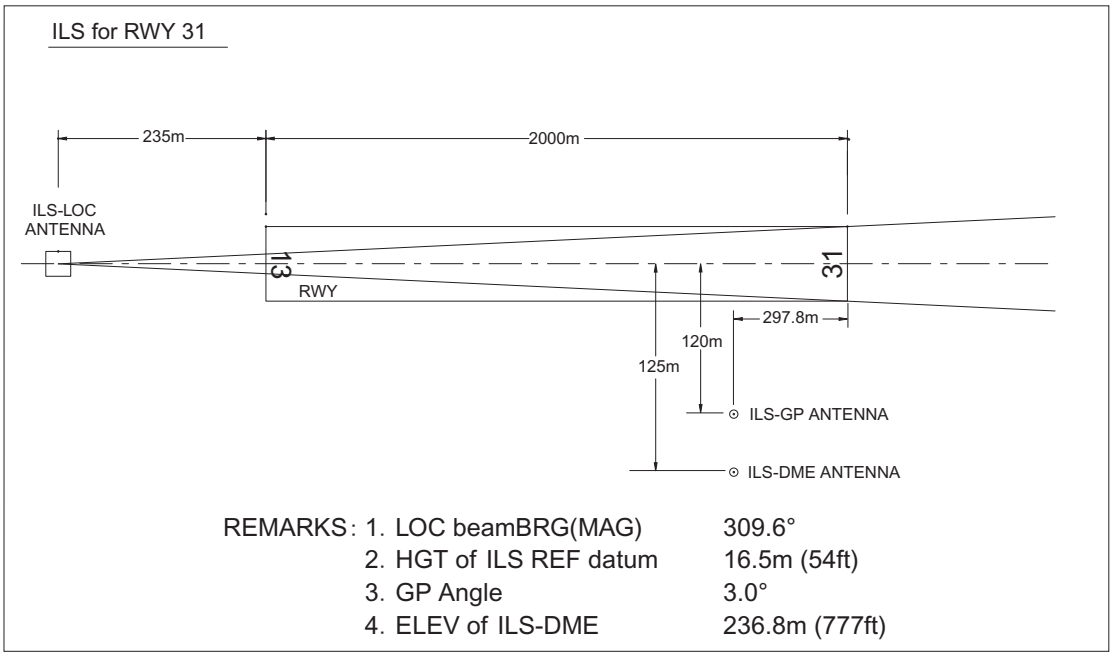
Designation and lateral limits		Vertical limits (ft)	Airspace classification	ATS unit call sign Language	Remarks
1		2	3	4	6
Tanegashima Information zone	Area within a radius of 5nm of Tanegashima ARP (*30° 36'N130° 59'E*).	-------- 3000	E	TANEGASHIMA REMOTE En	

RJFG AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
A/G	Tanegashima Remote	118.75MHz(1) 126.2MHz	2330 - 0930	Remote air-ground facilities controlled by Kagoshima FSC (1)Primary

RJFG AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid (VOR declination)	ID	Frequency	Hours of operation	Position of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
VOR (7° W/2019)	TGE	115.4MHz	H24	*303607.76N/ 1305929.52E*		
DME	TGE	1188MHz (CH-101X)	H24	*303607.76N/ 1305929.52E*	810.4ft	DME Unusable: 130°-160° beyond 15nm BLW 3000ft.
ILS-LOC 31 (CAT-I)	ITN	108.95MHz	2330-0930	*303640.08N/ 1305850.76E*		BRG(MAG) 310° 235m away FM RWY13 THR
ILS-GP 31		329.15MHz	2330-0930	*303602.61N/ 1305949.42E*		GP angle 3.0° HGT of ILS Ref datum 54ft. 297.8m inside FM RWY31 THR 120m SW of RCL
ILS-DME 31	ITN	1113MHz (CH-26Y)	2330-0930	*303602.49N/ 1305949.29E*	777ft	297.8m inside FM RWY31 THR 125m SW of RCL
MSAS		1575.42MHz	H24			Transmitting antennas are satellite based



RJFG AD 2.20 LOCAL TRAFFIC REGULATIONS

1. Airport regulations

Nil

2. Taxiing to and from stands

Nil

3. Parking area for small aircraft(General aviation)

Nil

4. Parking area for helicopters

Nil

5. Apron - taxiing during winter conditions

Nil

6. Taxiing - limitations

Nil

7. School and training flights - technical test flights - use of runways

Nil

8. Helicopter traffic - limitation

Nil

9. Removal of disabled aircraft from runways

Nil

RJFG AD 2.21 NOISE ABATEMENT PROCEDURES

Nil

RJFG AD 2.22 FLIGHT PROCEDURES

1. TAKE OFF MINIMA

	RWY	REDL & RCLL AVBL		REDL or RCLL AVBL		REDL & RCLL OUT	
		CEIL-RVR	CEIL-VIS	CEIL-RVR	CEIL-VIS	CEIL-RVR	CEIL-VIS
TKOF ALTN AP FILED	13	-	0 - 400m	-	0 - 600m	-	0 - 800m
	31	0 - 500m	0 - 400m	0 - 600m	0 - 600m	-	0 - 800m
OTHER	13	AVBL LDG MINIMA					
	31						

NOTE: SIDs are designed in accordance with provisional standards for FLIGHT PROCEDURE DESIGN.

2. TAKE OFF MINIMA for RNAV DEPARTURE

	RWY	ACFT CAT	REDL & RCLL		REDL or RCLL or RCL Marking		NIL (DAYTIME ONLY)	
			RVR	VIS	RVR	VIS	RVR	VIS
Multi-Engine ACFT with TKOF ALTN AP FILED	13	A,B,C,D	-	400m	-	400m	-	500m
	31	A,B,C,D	400m	400m	400m	400m	-	500m
OTHER	13	A,B,C,D	AVBL LDG MINIMA					
	31							

RJFG AD 2.23 ADDITIONAL INFORMATION

Nil

RJFG AD 2.24 CHARTS RELATED TO AN AERODROME

Aerodrome/Heliport Chart
Standard Departure Chart - Instrument (QUEEN, KINKO, TANEGASHIMA-REVERSAL)*
Standard Departure Chart - Instrument (FREDY-RNAV)
Standard Departure Chart - Instrument (KAGYA-RNAV)
Standard Arrival Chart - Instrument)*
Instrument Approach Chart (VOR/DME/ILS RWY 31)*
Instrument Approach Chart (VOR/DME RWY 31)*
Instrument Approach Chart (VOR/DME RWY 13)*
Instrument Approach Chart (RNAV(GNSS) RWY 13)
Other Chart (Visual REP)
Other Chart (MVA CHART)

*: Designed in accordance with provisional standards for FLIGHT PROCEDURE DESIGN.

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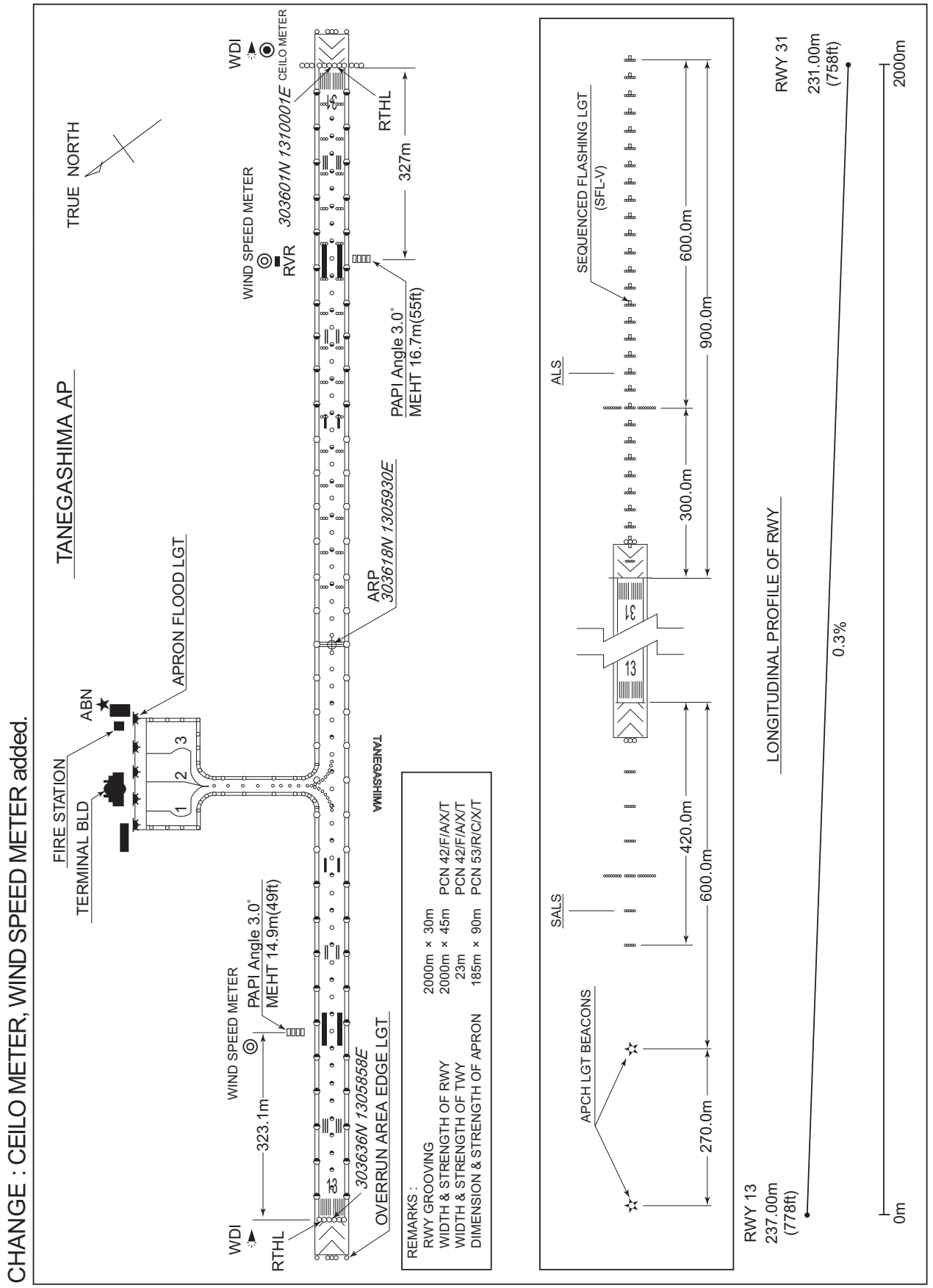
RJFG / TANEGASHIMA AD CHART



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STANDARD DEPARTURE CHART - INSTRUMENT

RJFG / TANEGASHIMA SID

CHANGE: PROC renamed. Radial FM TGE.

QUEEN TWO DEPARTURE

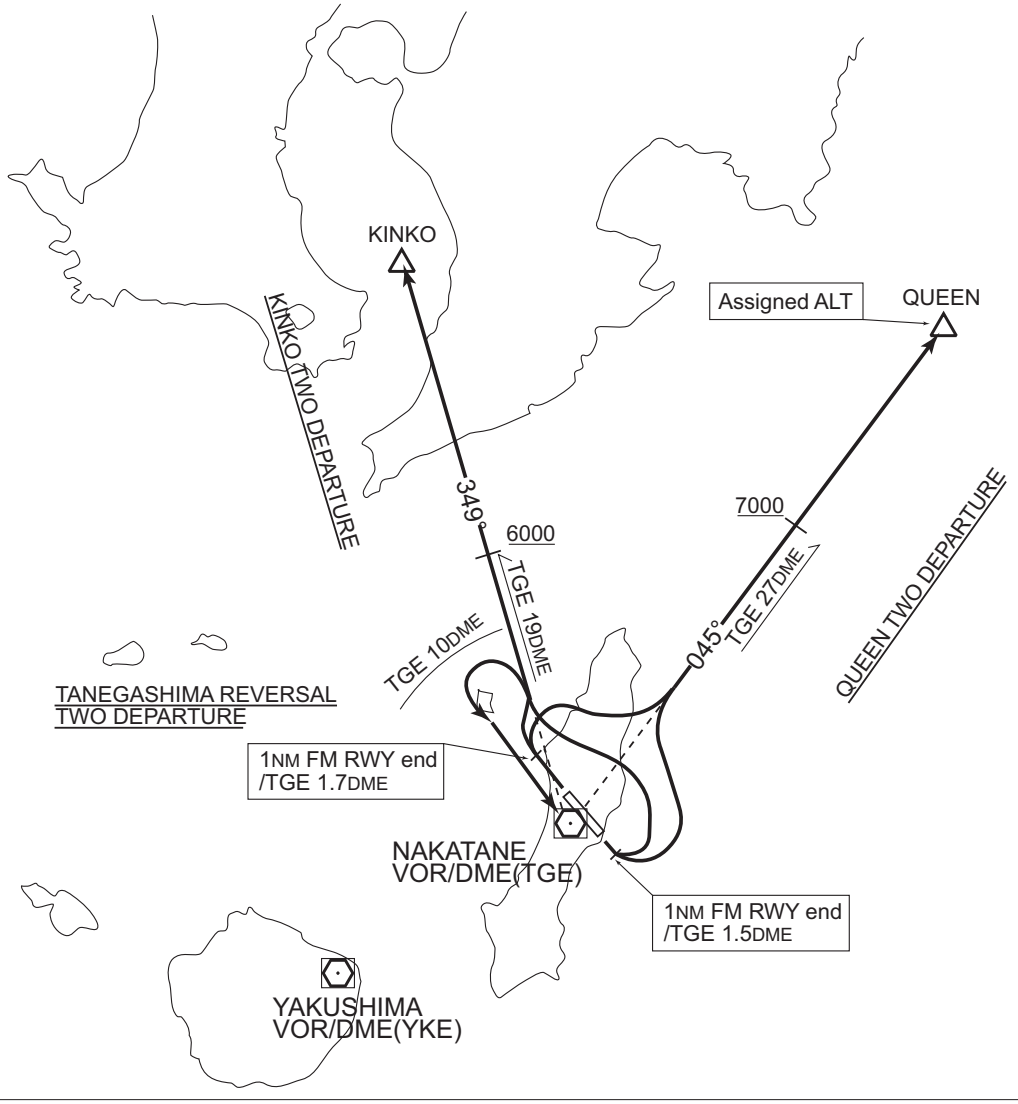
RWY13: Climb RWY HDG until 1NM from RWY end/TGE 1.5DME, turn left,...
RWY31: Climb RWY HDG until 1NM from RWY end/TGE 1.7DME, turn right,...
...Climb via TGE R-045 to QUEEN.
Cross TGE R-045/27DME at or above 7,000ft, cross QUEEN at assigned altitude.

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.

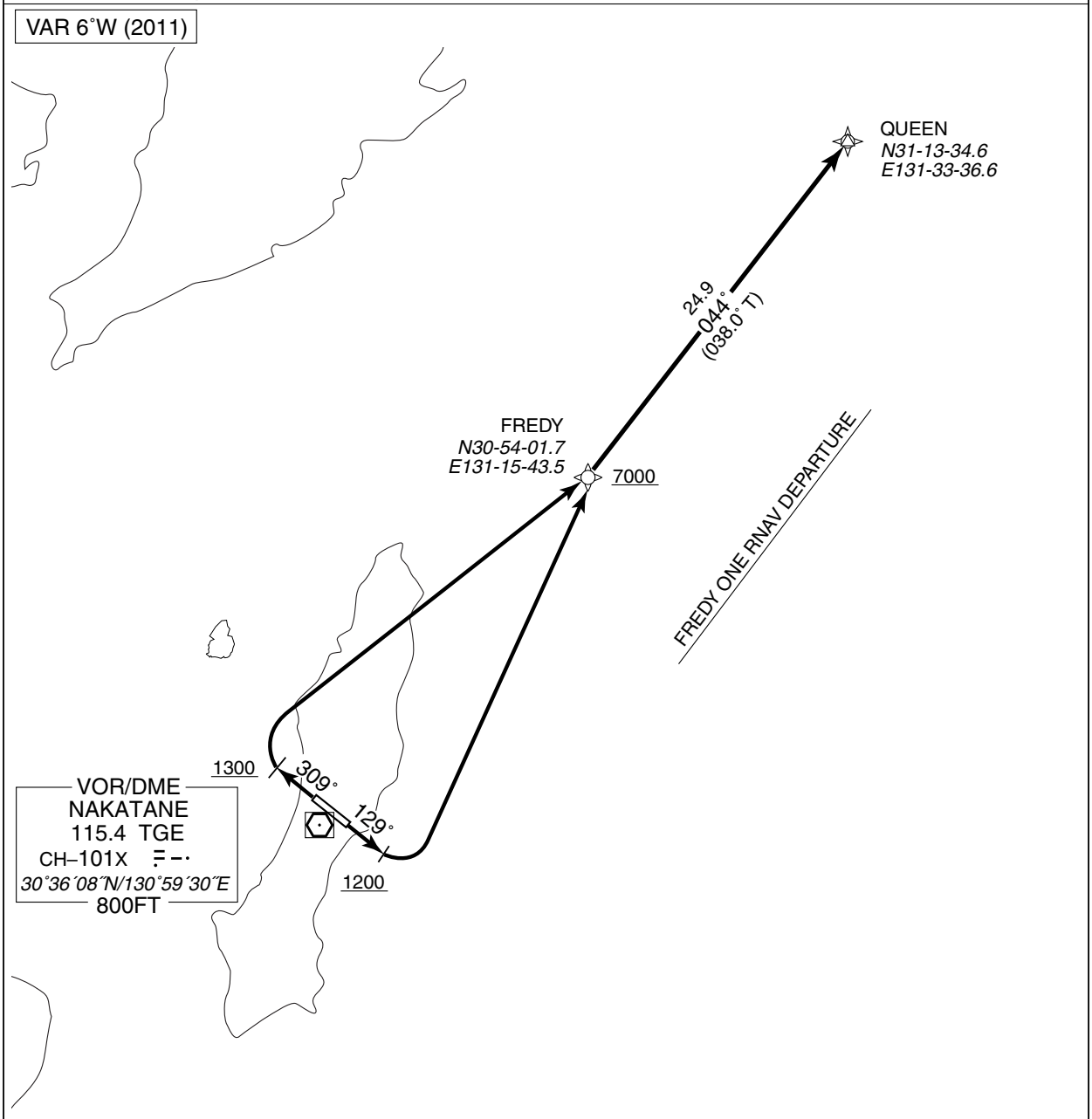


STANDARD DEPARTURE CHART -INSTRUMENT

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

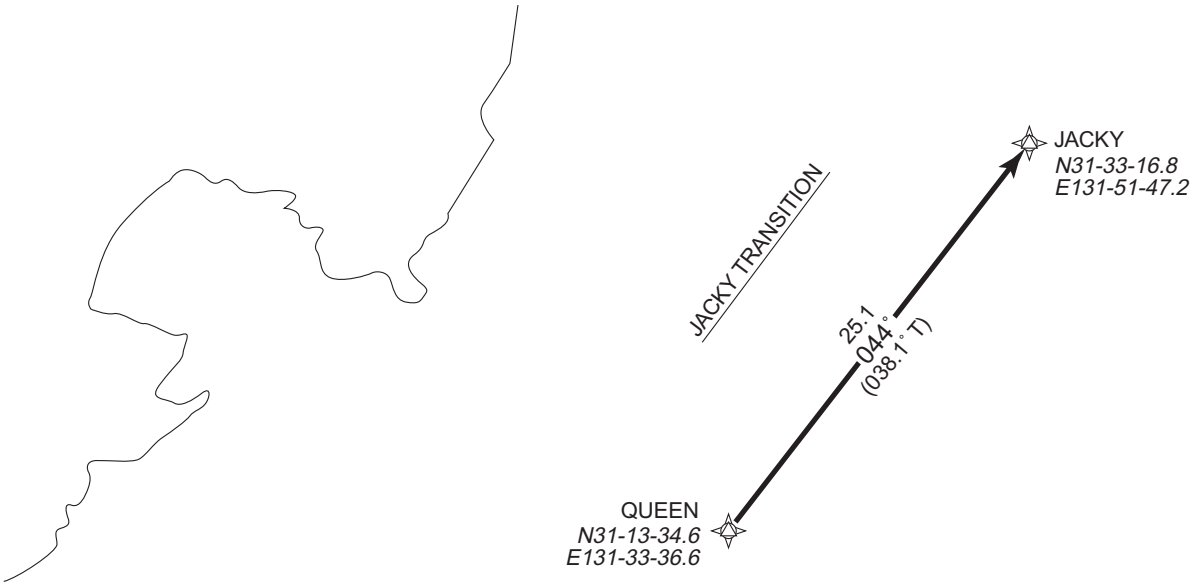
Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
VA	—	—	—	309° (302.9°)	—	+1300	—	—	Basic RNP1
DF	FREDY	—	—	—	R	+7000	—	—	Basic RNP1
TF	QUEEN	—	24.9	044° (038.0°)	—	—	—	—	Basic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

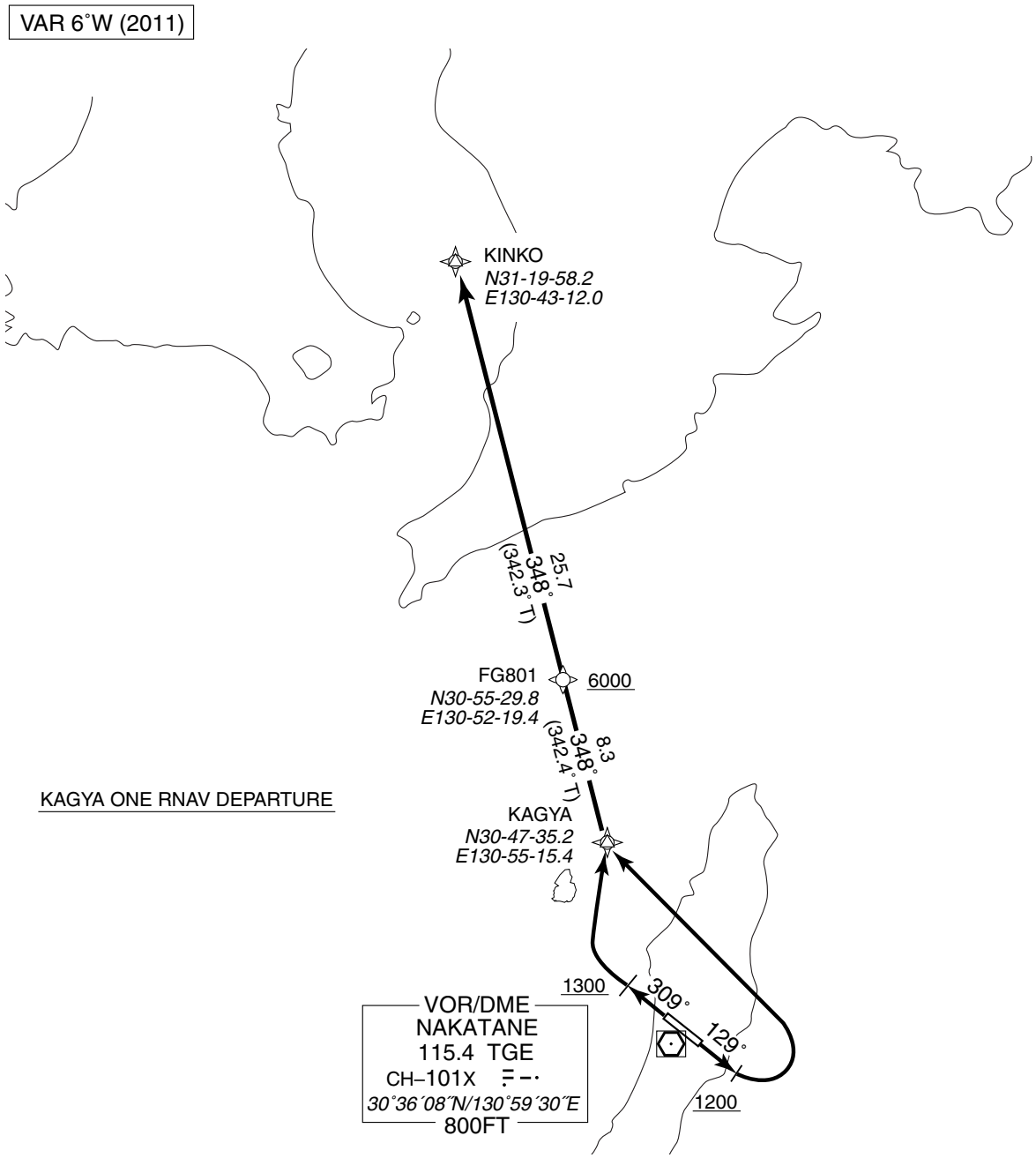
Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
IF	QUEEN	—	—	—	—	—	—	—	RNAV1
TF	JACKY	—	25.1	044˚ (038.1˚)	—	—	—	—	RNAV1

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

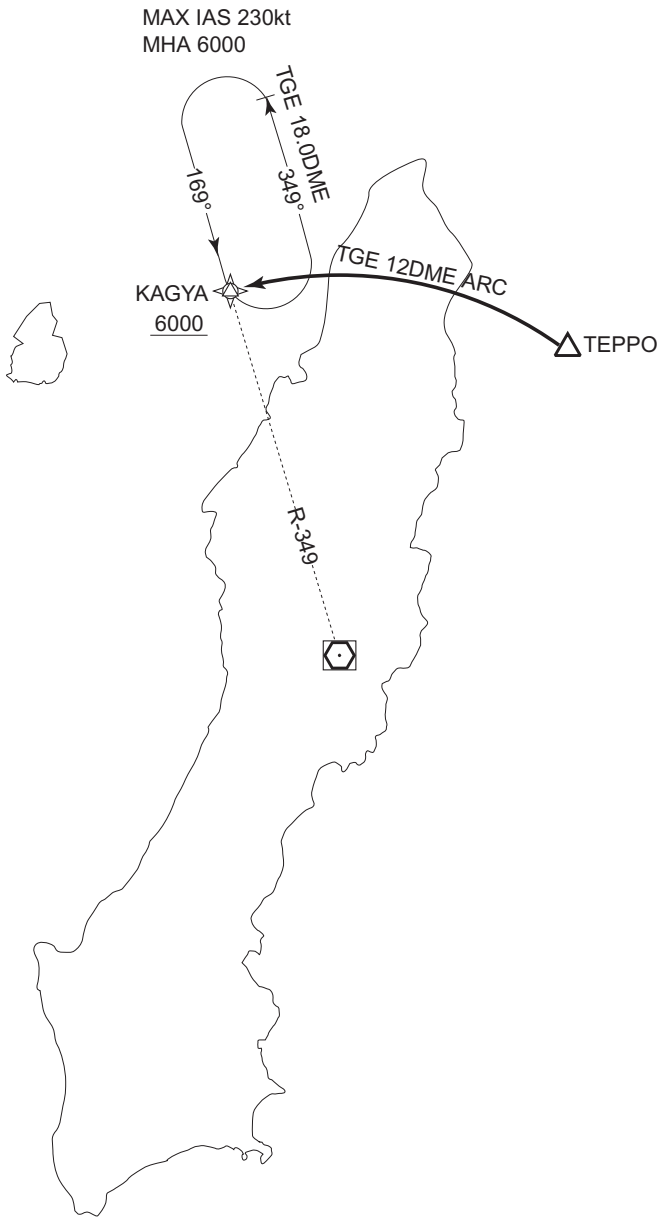
Rcmd. Path Terminator	Fix ID (Waypoint Name)	Fly Over	Distance (NM)	MAG Track (TRUE Track)	Turn Direction	Altitude (FT)	Speed Limit (KIAS)	Vertical Angle	Navigation Performance
VA	—	—	—	309° (302.9°)	—	+1300	—	—	Basic RNP1
DF	KAGYA	—	—	—	R	—	—	—	Basic RNP1
TF	FG801	—	8.3	348° (342.4°)	—	+6000	—	—	Basic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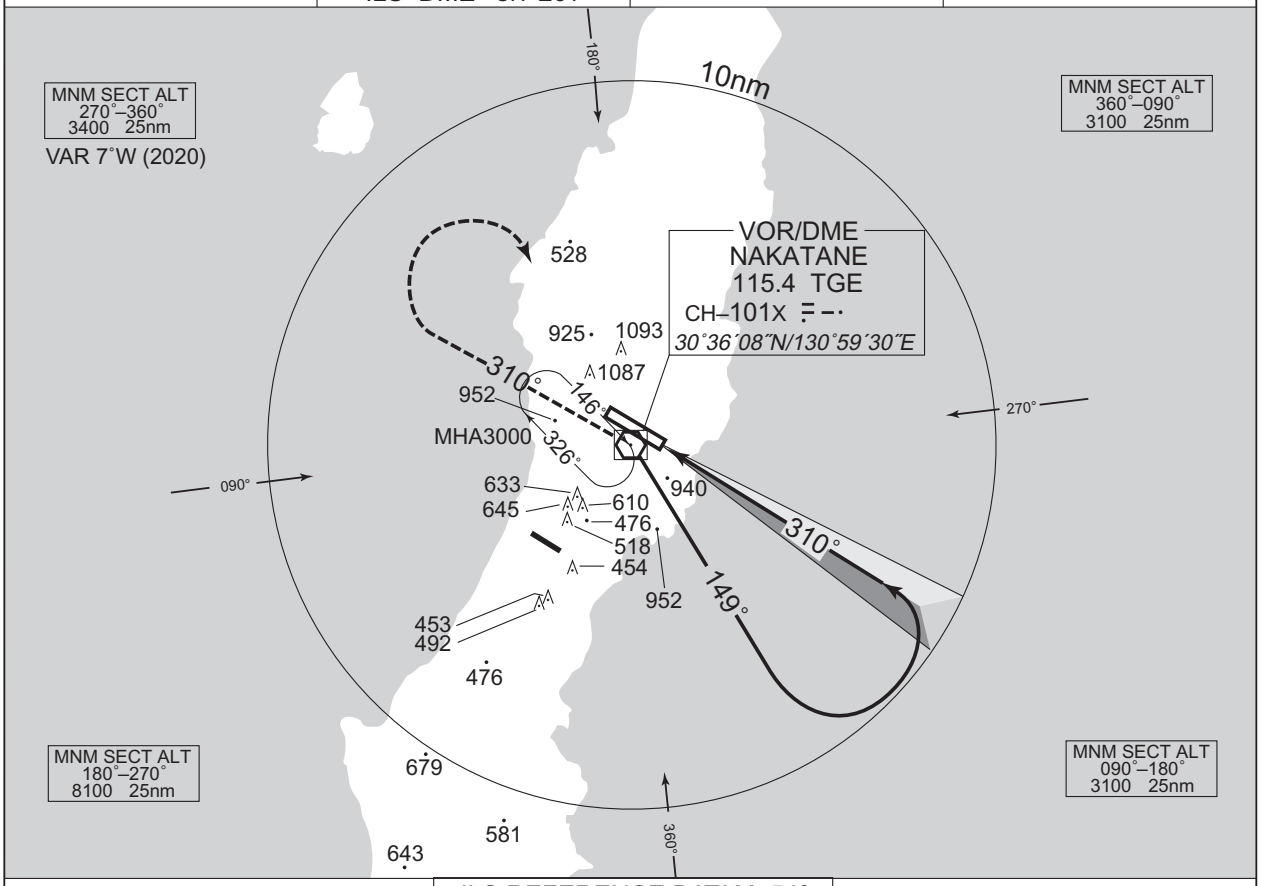
INSTRUMENT APPROACH CHART

RJFG / TANEGASHIMA — VOR/DME/ILS RWY31

KOBE CONTROL	ILS – LOC	TANEGASHIMA REMOTE	NO RADAR
133.85 - 315.3 127.15 - 251.0	108.95 ITN ILS–GP 329.15 ILS–DME CH–26Y	118.75 - 126.2	

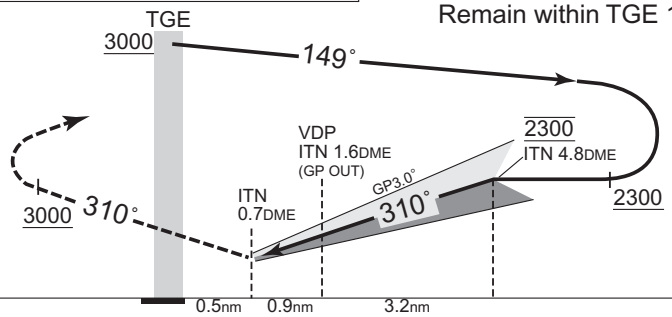


ILS REFERENCE DATAM 54ft

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 REMOTE.



MINIMA — THR elev. 758 — AD elev. 768

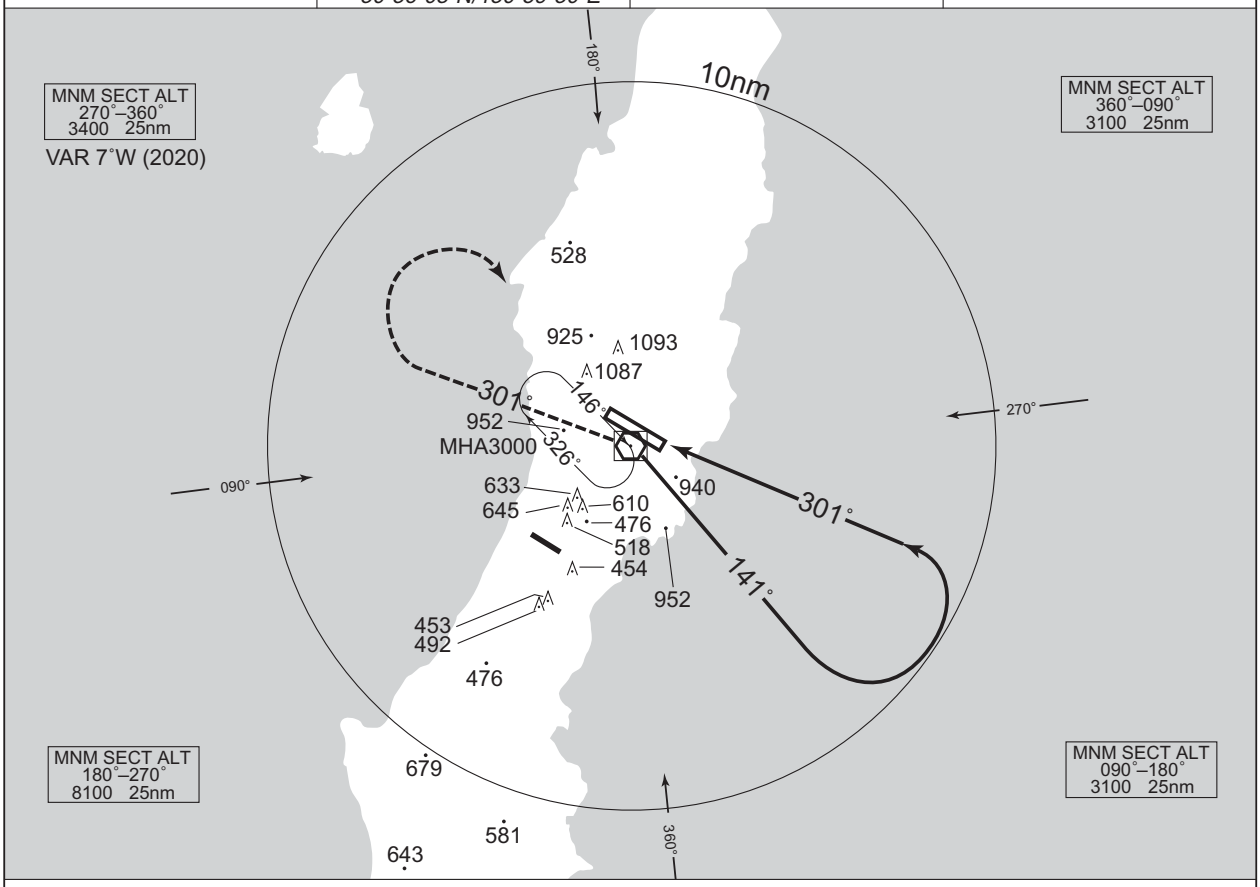
CAT	CAT I		LOC		CIRCLING		
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H) SOUTH of RWY	MDA(H) NORTH of RWY	VIS
A	967 (209)	600	1220 (462)	1000	1240 (472)	1500 (732)	1600
B				1200			
C						1800 (1032)	2400
D				1600	1320 (552)		3200

CHANGE: ATC call sign.

INSTRUMENT APPROACH CHART

RJFG / TANEGASHIMA VOR/DME RWY31

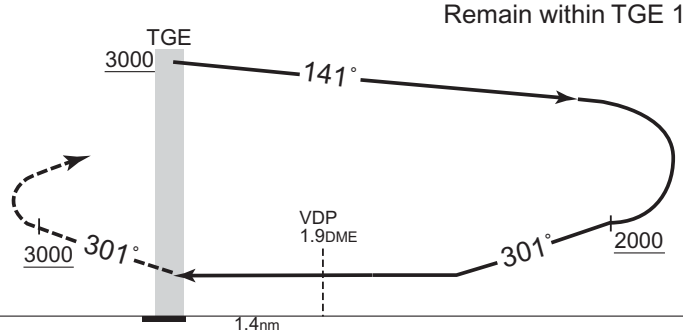
KOBE CONTROL	NAKATANE VOR/DME	TANEGASHIMA REMOTE	NO RADAR
133.85 - 315.3 127.15 - 251.0	115.4 TGE CH - 101X *30°36′08″N/130°59′30″E*	118.75 - 126.2	



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

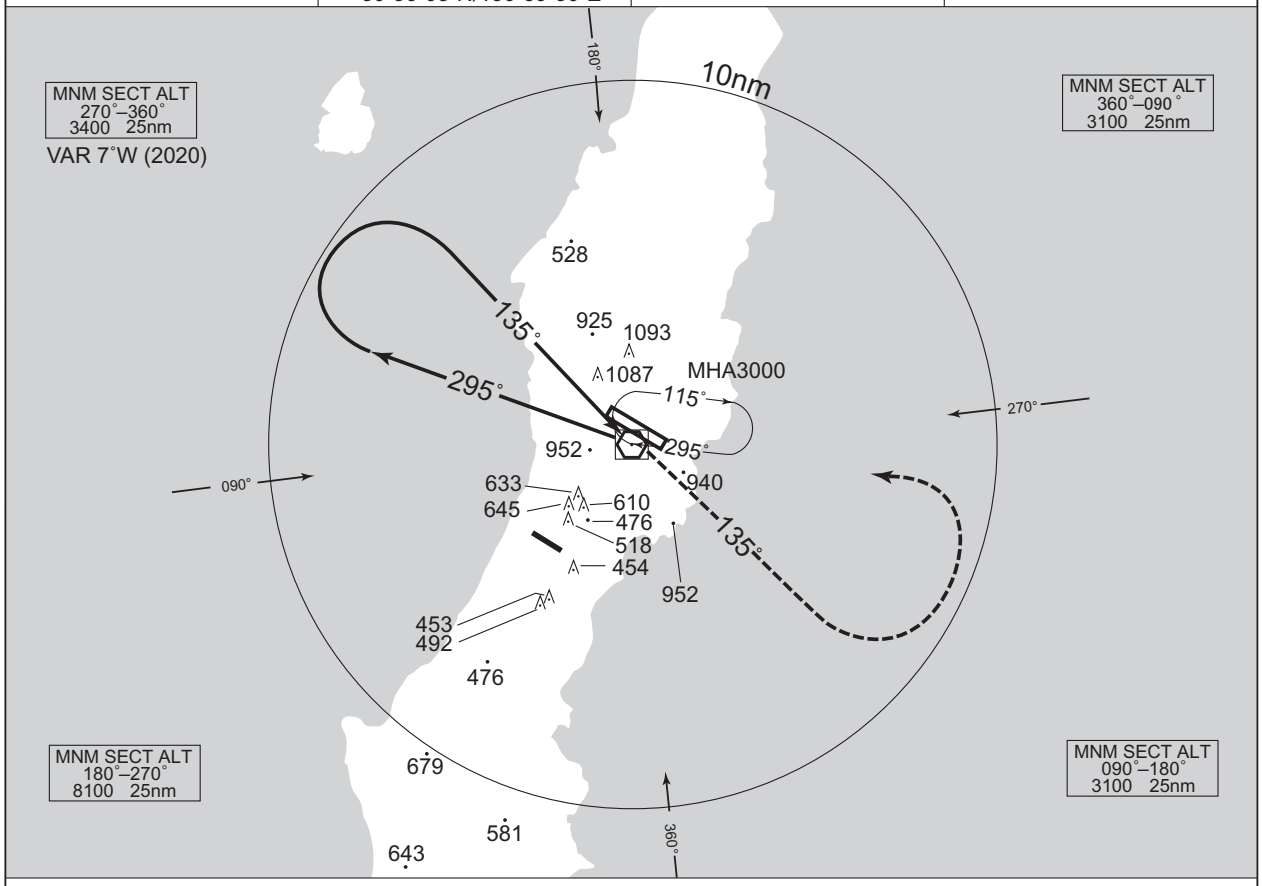
CAT			CIRCLING		
	MDA(H)	RVR/CMV	MDA(H) SOUTH of RWY	MDA(H) NORTH of RWY	VIS
A	1240 (482)	1000	1240 (472)	1500 (732)	1600
B		1200			
C				1800 (1032)	2400
D		1600	1320 (552)		3200

CHANGE: ATC call sign.

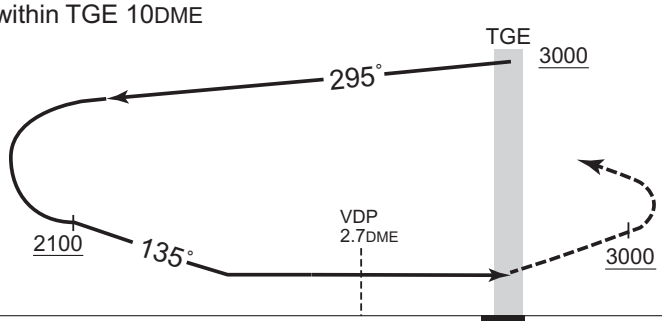
INSTRUMENT APPROACH CHART

RJFG / TANEGASHIMA VOR/DME RWY13

KOBE CONTROL	NAKATANE VOR/DME	TANEGASHIMA REMOTE	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 - 126.2	



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 REMOTE.

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

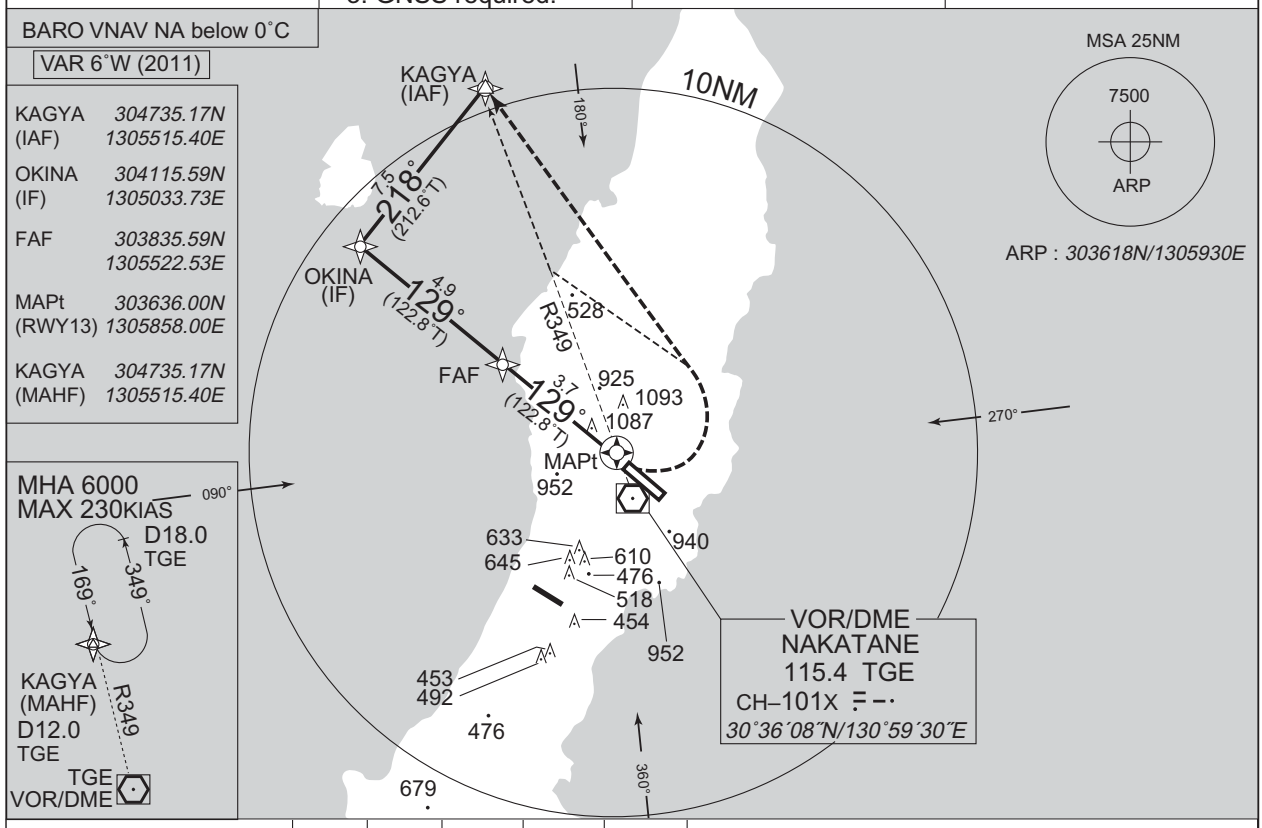
Circling to NORTH side of RWY only.

CHANGE: ATC call sign.

INSTRUMENT APPROACH CHART

RJFG / TANEGASHIMA — RNAV(GNSS) RWY13

KOBE CONTROL		TANEGASHIMA REMOTE	
133.85 - 315.3 127.15 - 251.0	1. DME/DME RNP0.3 not authorized. 2. RNP0.3 required. 3. GNSS required.	118.75 - 126.2	NO RADAR

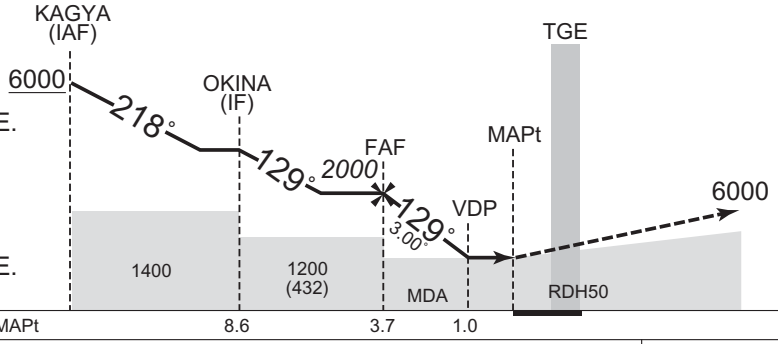


NM to Next Fix	FAF	3	2	1	MAPt
ALT (3.0˚ APCH Path)	2000	1782	1464	1145	–

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

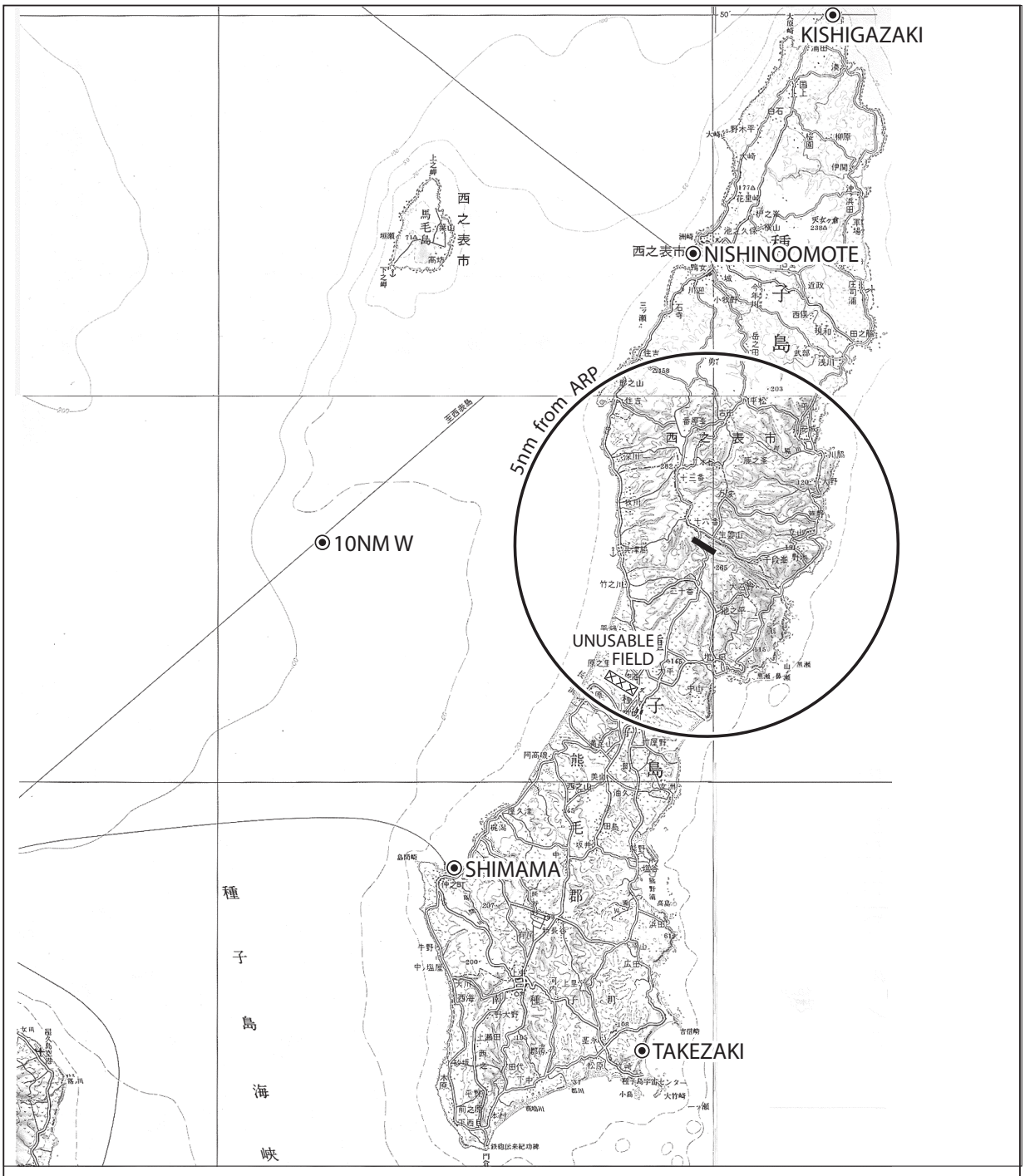
CAT	LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	CMV	MDA(H)	CMV	MDA(H)	VIS
A	1140 (362)	1200	1140 (372)	1200	1500 (732)	1600
B		1300		1300		
C		1400		1400	1800 (1032)	2400
D		1600		1600		3200

Circling to NORTH side of RWY only.

CHANGE: ATC call sign.

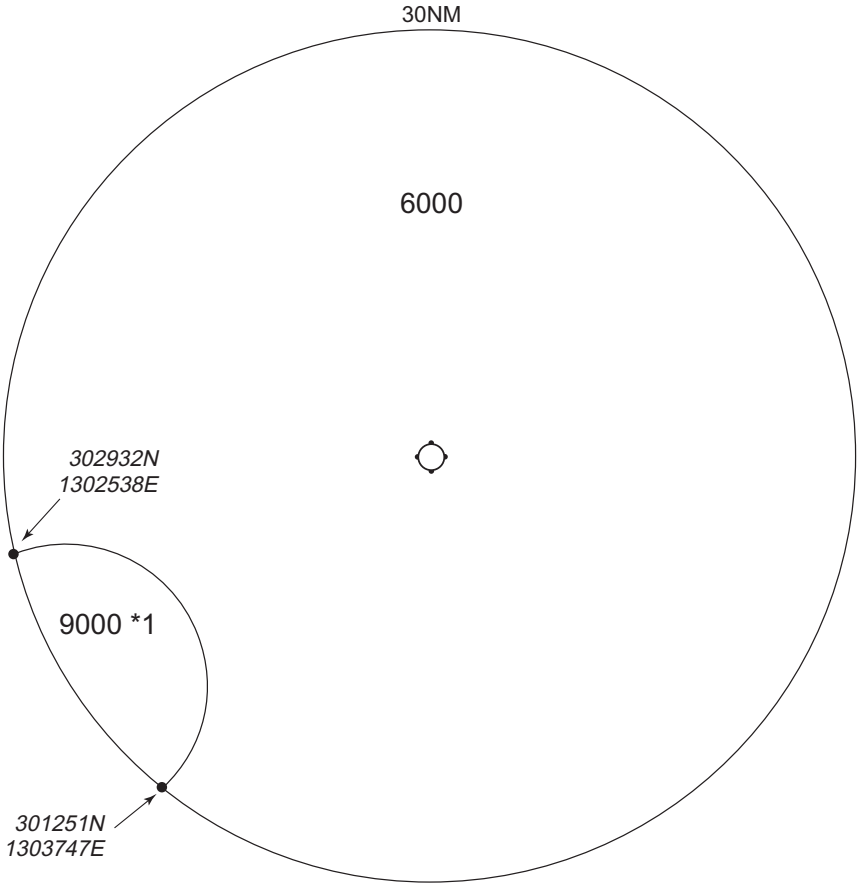
RJFG / TANEGASHIMA

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)