#### **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	29.4m(96ft)
	PSN	
5	MAG VAR/ Annual change	7°W (2021) / 5'W
6	AD Administration, address,	KAGOSHIMA PREF
	telephone, telefax, telex, AFS,	Nakatane-Town, Kagoshima Pref. 891-3603 Japan
	e-mail and/or Web-site addresses	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: AFIS provided by Kagoshima Airport Office.
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	JET A-1
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
ſ	2	Clearance priorities	Nil
Ī	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 dock-	Nil
	ing/ parking guidance system of aircraft stands	
2	RWY and TWY markings and LGT	RWY: (RWY 13/31)  (Marking): RWY designation, RWY CL, RWY THR, RWY middle point,
3	Stop bars	(LGT): TWY edge LGT, TWY CL LGT  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	H24 (FUKUOKA)		
	MET Office outside hours			
3	Office responsible for TAF preparation	Nil		
	Periods of validity	INII		
4	Trend forecast	Nil		
	Interval of issuance	INII		
5	Briefing/ consultation provided	Briefing is available upon inquiry at FUKUOKA		
6	Flight documentation	С		
	Language(s) used	En		
7	Charts and other information available	S <sub>6</sub> , U <sub>85</sub> , U <sub>7</sub> , U <sub>5</sub> , U <sub>3</sub> , U <sub>25</sub> , U <sub>2</sub> /T <sub>r</sub> , P <sub>S</sub> , P <sub>5</sub> , P <sub>3</sub> , P <sub>25</sub> , P <sub>SWE</sub> , P <sub>SWF</sub> , P <sub>SWG</sub> , P <sub>SWI</sub> ,		
	for briefing or consultation	P <sub>SWM</sub> , P <sub>SW</sub> (domestic), E, C, W <sub>E</sub> , W <sub>F</sub> , W <sub>G</sub> , W <sub>I</sub> , W, N		
8	Supplementary equipment	Nil		
	available for providing information	IVII		
9	ATS units provided with information	RADIO		
10	Additional information(limitation of	Nil		
	service, etc.)	INII		

# **RJFG AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS**

Designations RWY NR TRUE BRG		Dimensions of RWY(M)	Strength(PCN) and THR coordinates surface of RWY 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 303635.93N/1305858.18E Asphalt Concrete 97ft		THR ELEV:778ft
31 302.91°		2000×45	PCN42/F/A/X/T Asphalt Concrete		
Slope of RWY		Strip Dimensions(M)	RES Dime	Remarks	
7		10	11		14
See belo	ow figure	2120×300	4	RWY grooving: 2000×30m	
See belo	ow figure	2120×300	190x(MNN	RWY grooving: 2000×30m	
			*For detail, ask	airport administrator	
RWY 13					RWY 31
77 <mark>8ft</mark>		0.30%		758ft	
0m					2000m

# **RJFG AD 2.13 DECLARED DISTANCES**

	TORA	TODA	ASDA	LDA	
RWY Designator	(m)	(m)	(m)	(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	LDI: Nil					
	Anemometer location and LGT	Anemometer: RWY13: 300m from RWY13 THR, LGTD					
		RWY31: 294m from RWY31 THR, LGTD					
3	TWY edge and centerline lighting	TWY edge and center line lights installed, see AD2.9					
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					

AIP Japan TANEGASHIMA

# **RJFG AD 2.16 HELICOPTER LANDING AREA**

# **RJFG AD 2.17 ATS AIRSPACE**

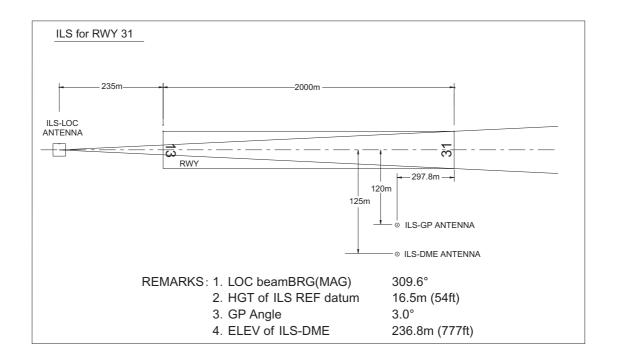
	Designation and lateral limits	Vertical limits (ft)	Airspace classification	ATS unit call sign Language	Remarks
	1	2	3	4	6
Tanegashima	Area within a radius of 5nm of Tanegashima			TANEGASHIMA	
Information	ARP (30° 36'N130° 59'E).	3000	Е	RADIO	
zone				En	

#### **RJFG AD 2.18 ATS COMMUNICATION FACILITIES**

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
AFIS	Tanegashima	118.75MHz	2330 - 0930	Operated by Kagoshima
	Radio			Airport Office.

#### **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**

NII	NO
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#### **RJFG AD 2.22 FLIGHT PROCEDURES**

#### **TAKE OFF MINIMA**

	RWY	ACFT CAT	REDL 8	RCLL		or RCLL Marking	NIL (DAYTIME ONLY)			
			RVR	VIS	RVR	VIS	RVR	VIS		
Multi-Engine ACFT with	13	A,B,C,D	-	400m	-	400m	-	500m		
TKOF ALTN AP FILED	31	A,B,C,D	400m	400m	400m	400m	-	500m		
OTHER	13	A,B,C,D			AVPL LDC MINIMA					
OTTIER	31	А,Б,С,Д			AVBL LDG MINIMA					

#### **RJFG AD 2.23 ADDITIONAL INFORMATION**

Ī	Nil

#### **RJFG AD 2.24 CHARTS RELATED TO AN AERODROME**

Aerodrome/Heliport Chart

Standard Departure Chart - Instrument (TANEGASHIMA-REVERSAL)

Standard Departure Chart - Instrument (FREDY-RNAV)

Standard Departure Chart - Instrument (KAGYA-RNAV)

Standard Arrival Chart - Instrument (TEPPO-RNAV)

Instrument Approach Chart (ILS Z or LOC RWY 31)

Instrument Approach Chart (ILS Y RWY 31)

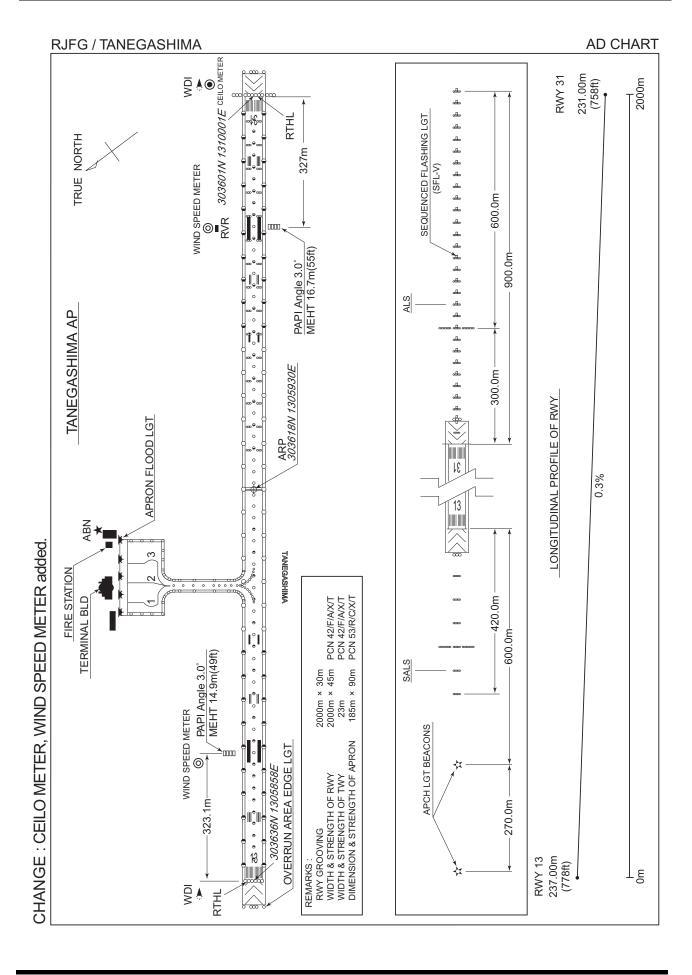
Instrument Approach Chart (VOR RWY 13)

Instrument Approach Chart (RNP RWY 31)

Instrument Approach Chart (RNP RWY 13)

Other Chart (Visual REP)
Other Chart (MVA CHART)







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

#### STANDARD DEPARTURE CHART - INSTRUMENT

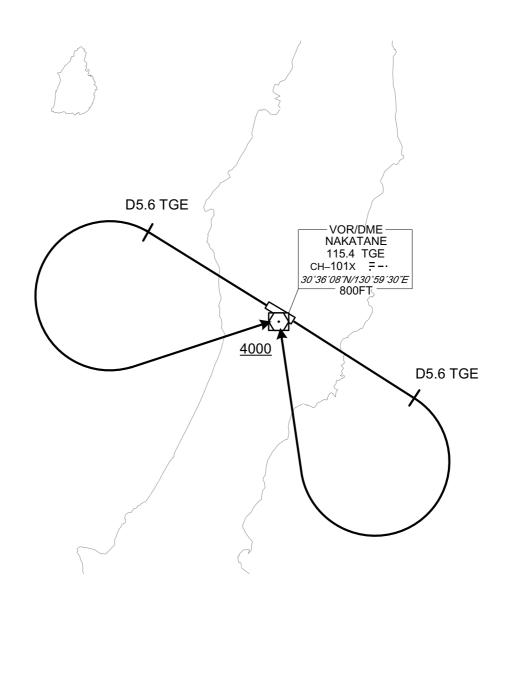
# RJFG / TANEGASHIMA

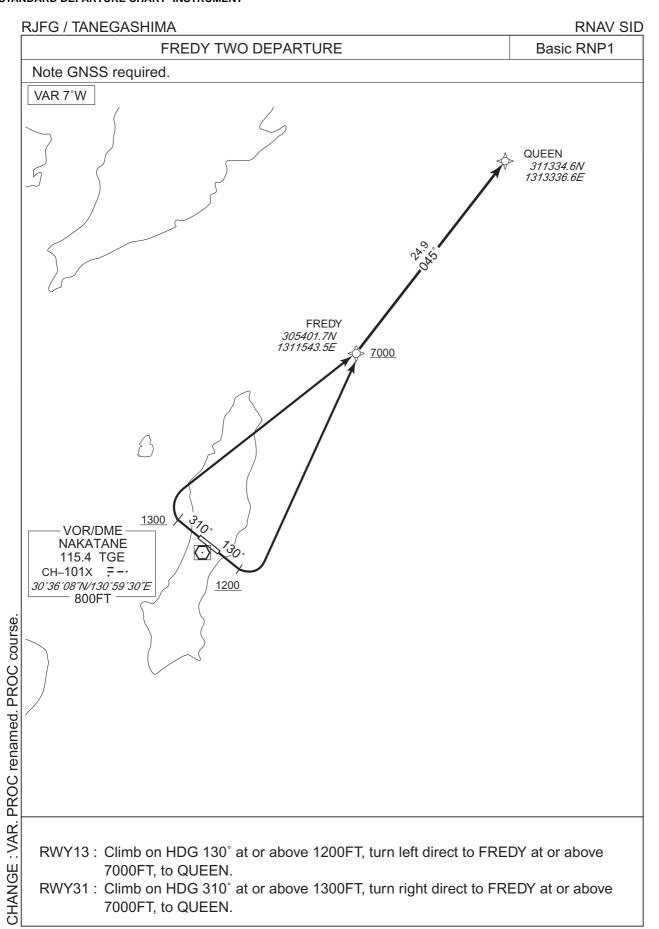
SID

# 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.





# RJFG / TANEGASHIMA

**RNAV SID** 

# FREDY TWO DEPARTURE

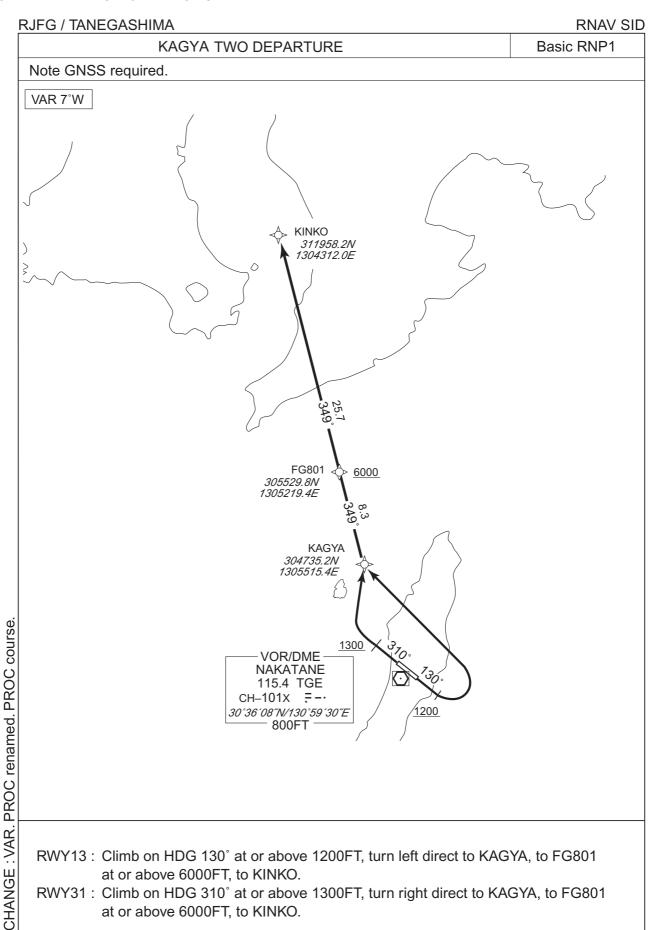
# RWY13

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	1	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

I _												
	Serial	Path	Waypoint	Fly	Course	Magnetic	Distance	Turn	Altitude	Speed	Vertical	Navigation
	Number	Descriptor	Identifier	Over	°M(°T)	Variation	(NM)	Direction	(FT)	(KIAS)	Angle	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

# **RNAV TRANSITION** RJFG / TANEGASHIMA **JACKY TRANSITION** Basic RNP1 Note GNSS required. VAR 7°W JACKY 313316.8N 1315147.2E CHANGE: VAR. Course FM QUEEN to JACKY. Navigation specification. Sensor for RNAV. QUEEN 311334.6N 1313336.6E From QUEEN to JACKY. Serial Path Waypoint Fly Course Magnetic Distance Turn Altitude Speed Vertical Navigation Identifier Number Variation (NM) (KIAS) Specification Descriptor Over °M(°T) Direction (FT) Angle 001 IF QUEEN -7.0 Basic RNP1 045 002 TF **JACKY** -7.0 25.1 Basic RNP1 (038.1)



at or above 6000FT, to KINKO.

# RJFG / TANEGASHIMA

**RNAV SID** 

# KAGYA TWO DEPARTURE

# RWY13

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation		Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	_	_	130 (123.0)	-7.0	_	_	+1200	_	_	Basic RNP1
002	DF	KAGYA	_	_	-7.0	_	L	_	_	_	Basic RNP1
003	TF	FG801	_	349 (342.4)	-7.0	8.3	_	+6000	_	_	Basic RNP1
004	TF	KINKO	_	349 (342.3)	-7.0	25.7	_	_	_	_	Basic RNP1

#### RWY31

11111	1										
Serial	Path	Waypoint	Fly	Course	Magnetic		Turn	Altitude	Speed	Vertical	Navigation
Number	Descriptor	ldentifier	Over	°M(°T)	Variation	(NM)	Direction	(FT)	(KIAS)	Angle	Specification
001	VA	1	_	310 (303.0)	-7.0	_	_	+1300	1	_	Basic RNP1
002	DF	KAGYA	_	-	-7.0	_	R	_	-	_	Basic RNP1
003	TF	FG801	_	349 (342.4)	-7.0	8.3	_	+6000	-	_	Basic RNP1
004	TF	KINKO	_	349 (342.3)	-7.0	25.7	_	_	_	_	Basic RNP1

#### STANDARD ARRIVAL CHART - INSTRUMENT

# RJFG / TANEGASHIMA **RNAV STAR RWY13** TEPPO ARRIVAL Basic RNP1 Note GNSS required. VAR 7°W **KAGYA** 304735.2N 1305515.4E 5000 **TEPPO** 304536.4N 11.2 1310803.5E 287° VOR/DME NAKATANE 115.4 TGE CH-101X =--30°36′08″N/130°59′30″E 800FT CHANGE: New PROC. From TEPPO, to KAGYA at or above 5000FT. Serial Path Waypoint Fly Course Magnetic Distance Turn Altitude Speed Vertical Navigation Variation Direction Number Descriptor Identifier Over °M(°T) (NM) (FT) (KIAS) Angle Specification 001 IF **TEPPO** -7.0 Basic RNP1

**KAGYA** 

002

TF

287

(280.3)

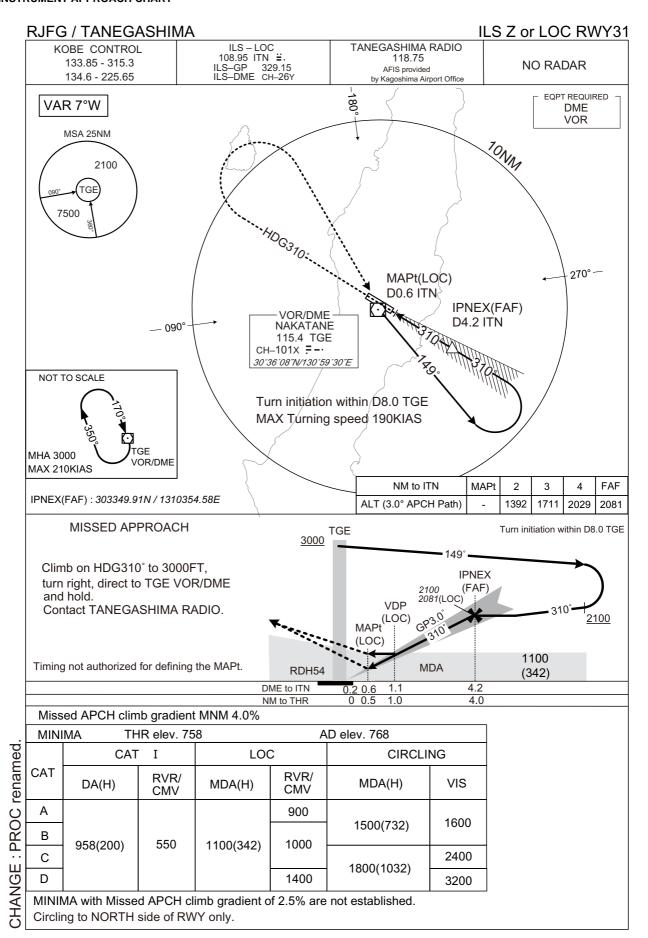
-7.0

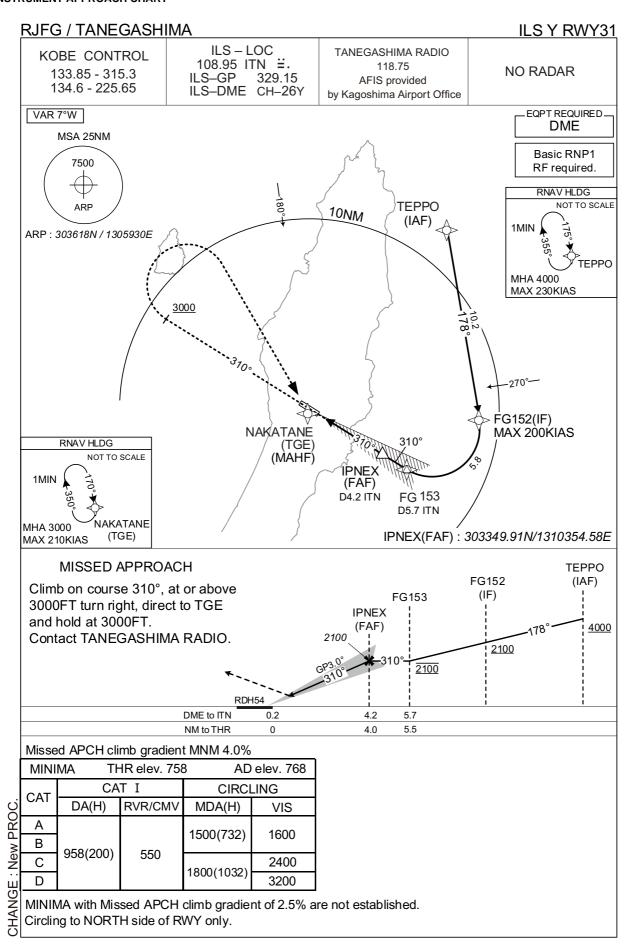
11.2

+5000

Basic RNP1







# RJFG / TANEGASHIMA

# ILS Y RWY31

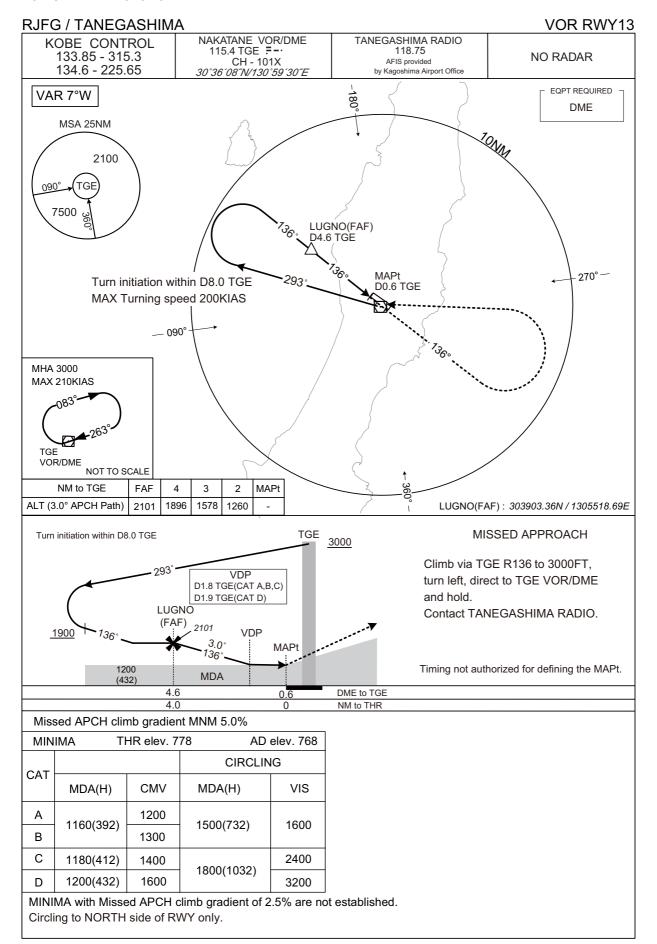
# Coding Table

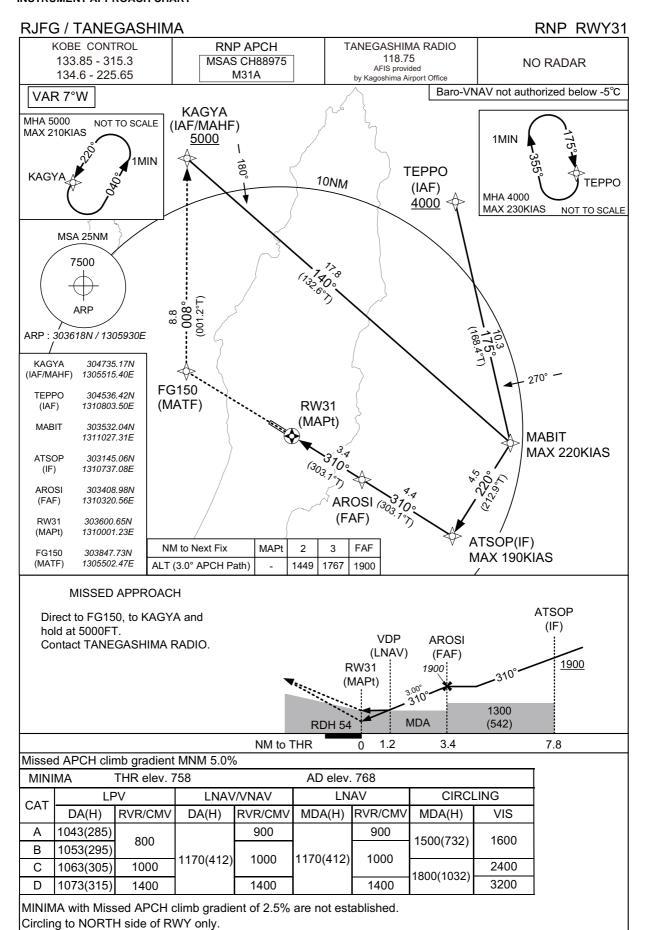
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	TEPPO	-	-	-7.0	-	1	+4000	-	_	Basic RNP1
002	TF	FG152	-	178 (171.4)	-7.0	10.2	-	+2100	-200	_	Basic RNP1
003	RF Center: FGRF1 r=2.51NM	FG153	_	_	-7.0	5.8	R	2100	-	_	Basic RNP1
001	CA	ı	_	310 (303.0)	-7.0	ı	_	+3000	ı	_	Basic RNP1
002	DF	TGE	_	<b>-</b> .	-7.0	-	R	3000	Ī	_	Basic RNP1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	TEPPO	175 (168.4)	-7.0	1.0 (-14000)	R	4000	FL140	-230(-14000)	Basic RNP1
Hold	TGE	170 (163.3)	-7.0	1.0 (-14000)	R	3000	FL140	-210(-14000)	Basic RNP1

# **Waypoint Coordinates**

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
TEPPO	304536.42N / 1310803.50E	FGRF1	303507.53N / 1310656.98E
FG152	303530.12N / 1310949.53E		
FG153	303300.85N / 1310522.05E		
TGE	303607.76N / 1305929.52E		





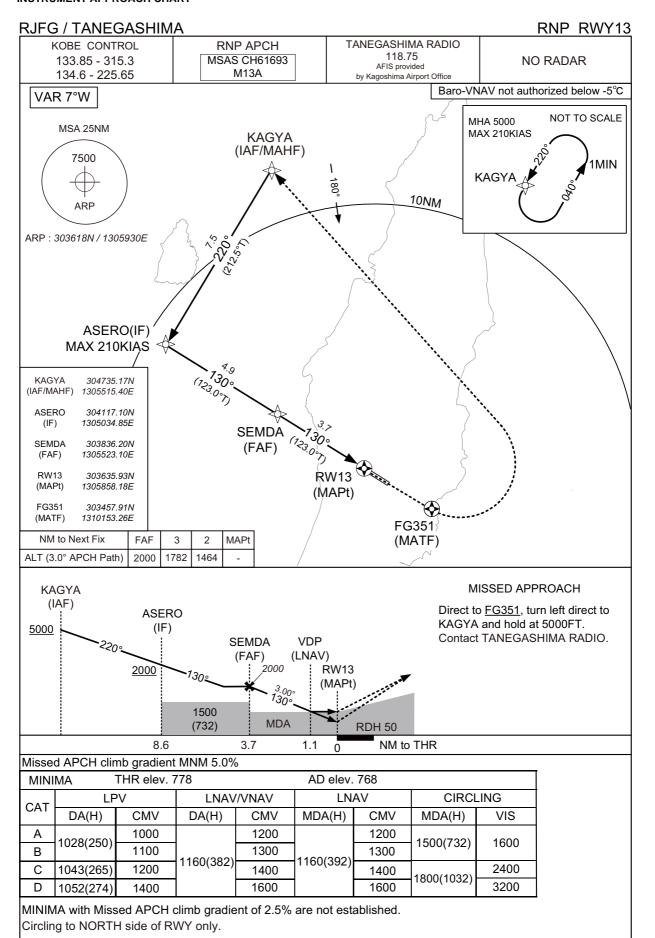
# RJFG / TANEGASHIMA

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	2EE6E3AF			

# Required additional data

	231.2
LTP/FTF ORHOHIEUR HEIGHL	231.2



# RJFG / TANEGASHIMA

RNP RWY13

FAS DATA BLOCK			
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	•	•

Required additional data

	227.4
LTP/FTP orthometric height	1237.1
LTP/FTP ORHOHIEUR Height	[23 <i>1</i> . I



※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).

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

