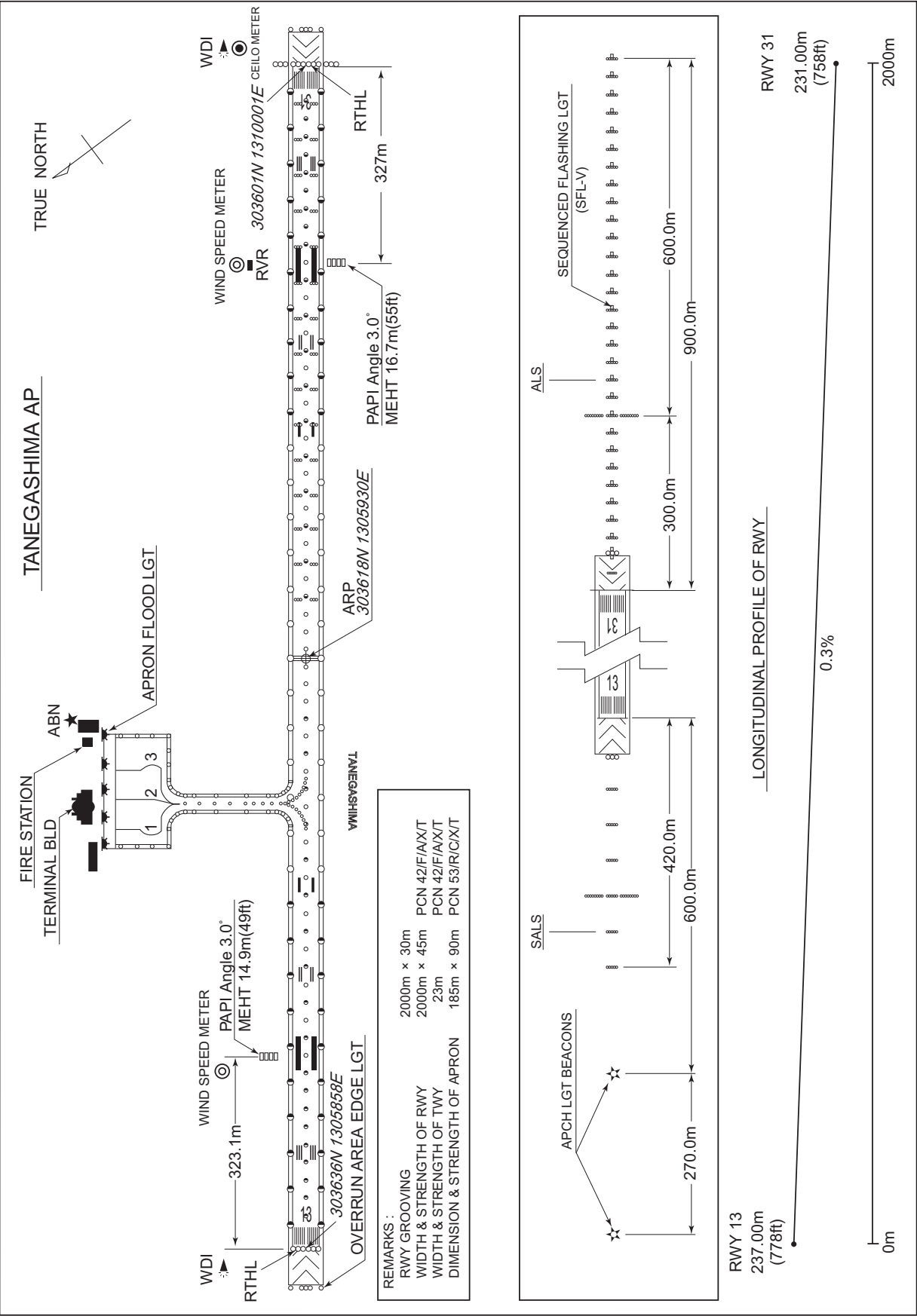


RJFG / TANEGASHIMA

AD CHART

CHANGE : CEILO METER, WIND SPEED METER added.



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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.

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



STANDARD DEPARTURE CHART -INSTRUMENT

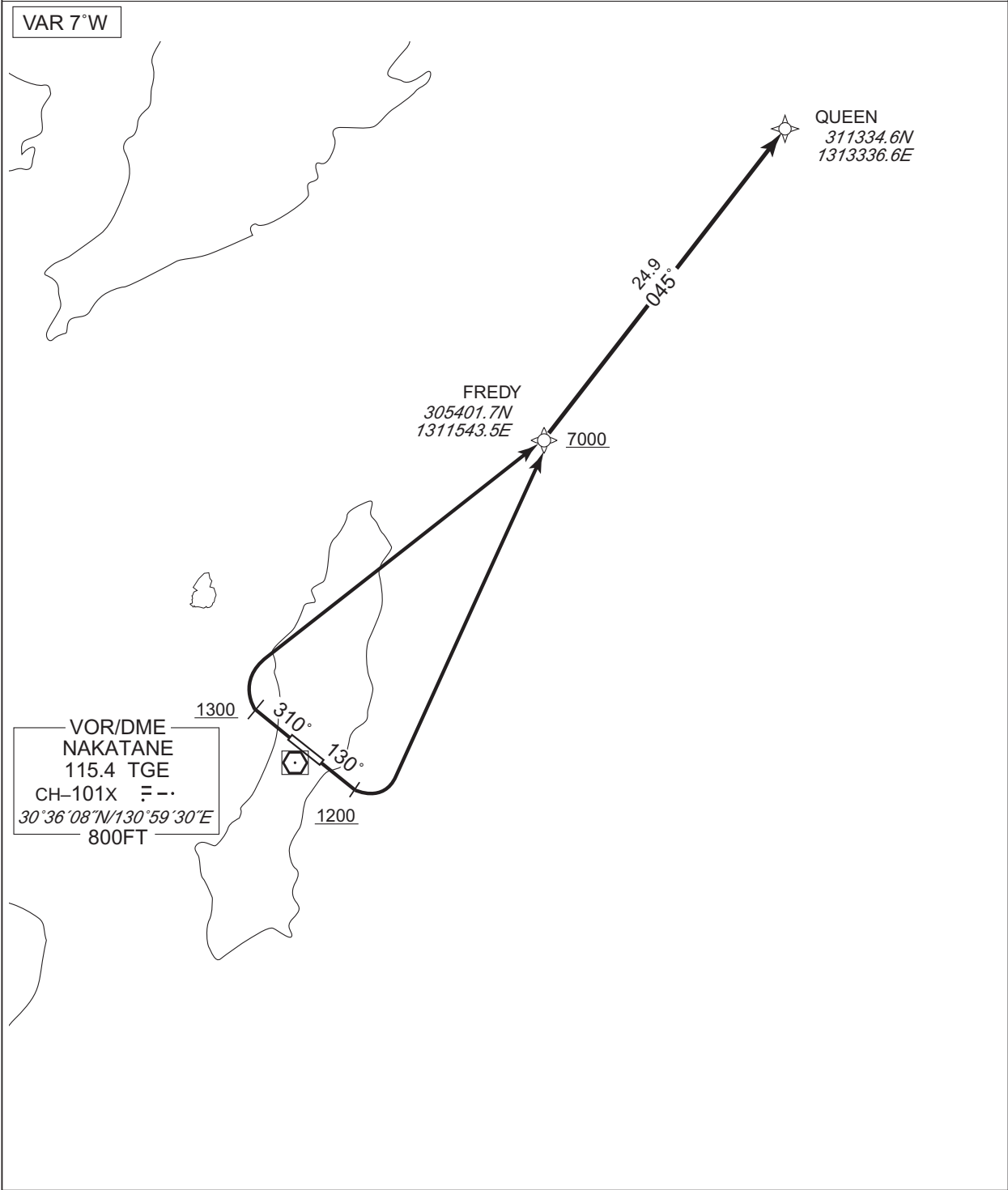
RJFG / TANEGASHIMA

RNAV SID

FREDY TWO DEPARTURE

Basic RNP1

Note GNSS required.



RWY13 : Climb on HDG 130° at or above 1200FT, turn left direct to FREDY at or above 7000FT, to QUEEN.

RWY31 : Climb on HDG 310° at or above 1300FT, turn right direct to FREDY at or above 7000FT, to QUEEN.

CHANGE : VAR. PROC renamed. PROC course.

STANDARD DEPARTURE CHART -INSTRUMENT

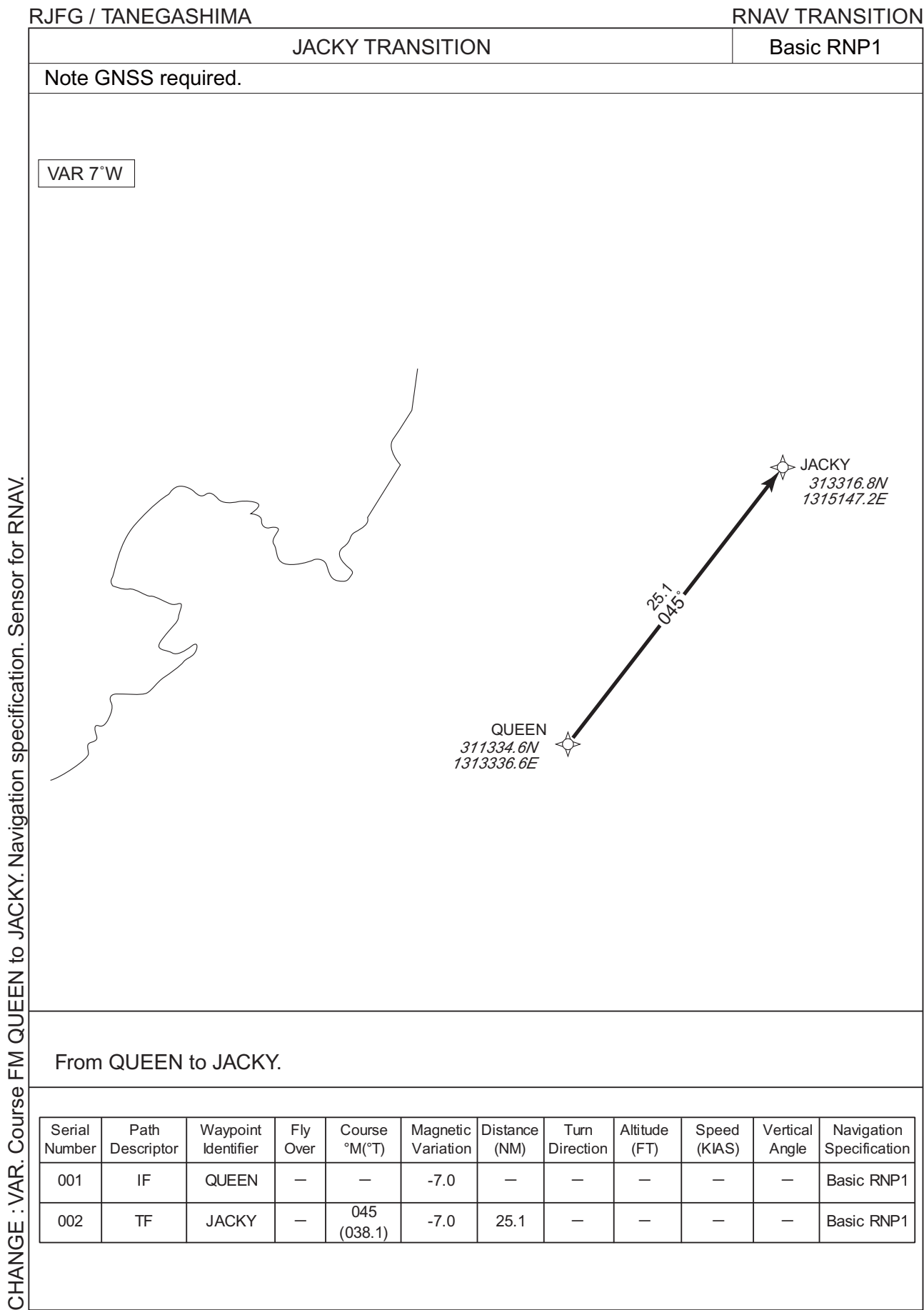
RJFG / TANEGASHIMA

RNAV SID

FREDY TWO DEPARTURE											
RWY13											
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	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											
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	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

CHANGE : VAR. PROC renamed. PROC course.

STANDARD DEPARTURE CHART -INSTRUMENT



STANDARD DEPARTURE CHART -INSTRUMENT

RJFG / TANEGASHIMA

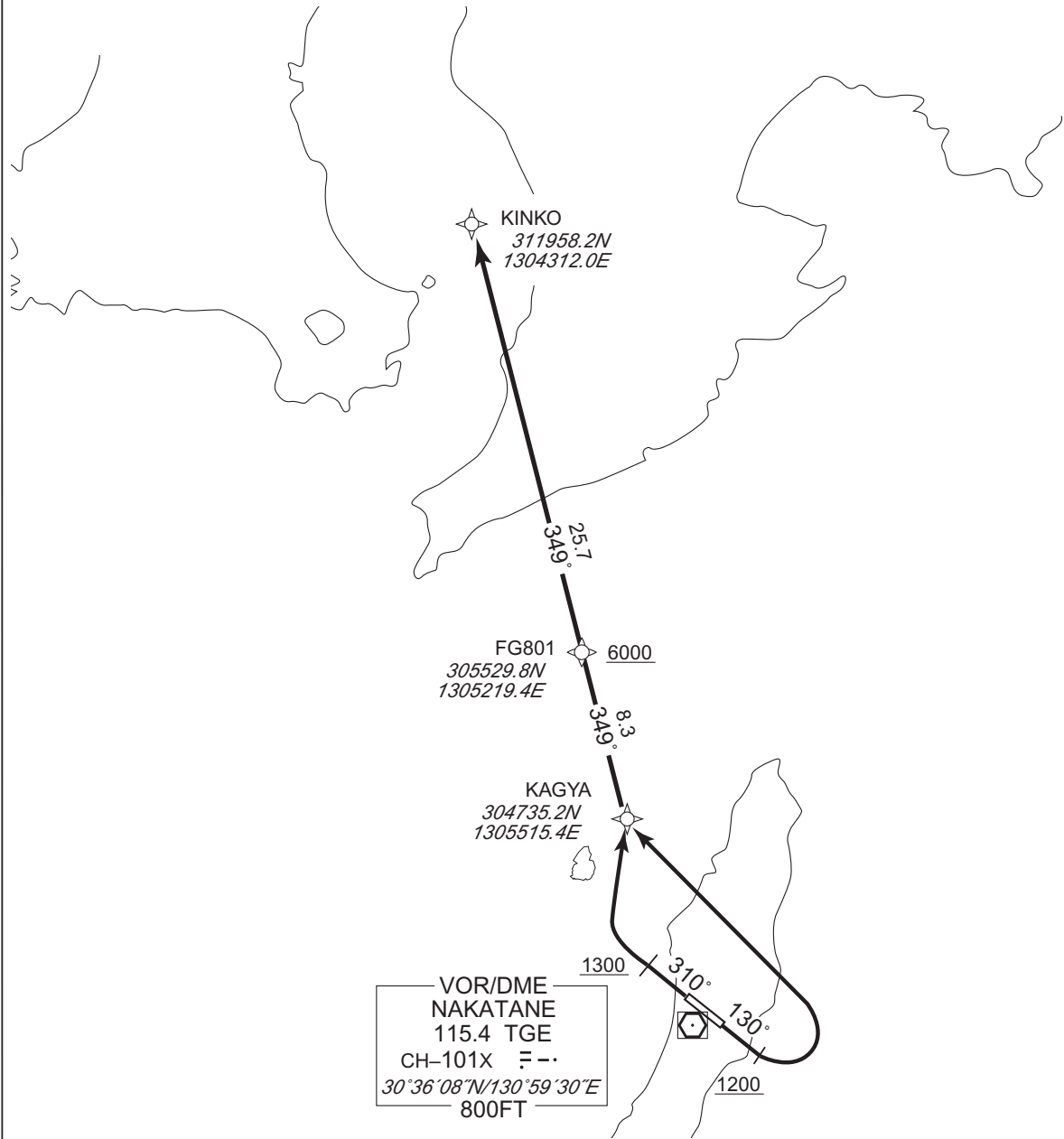
RNAV SID

KAGYA TWO DEPARTURE

Basic RNP1

Note GNSS required.

VAR 7°W



CHANGE : VAR. PROC renamed. PROC course.

- RWY13 : Climb on HDG 130° at or above 1200FT, turn left direct to KAGYA, to FG801 at or above 6000FT, to KINKO.
- RWY31 : Climb on HDG 310° 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 TWO DEPARTURE

RWY13

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	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

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	VA	—	—	310 (303.0)	-7.0	—	—	+1300	—	—	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

CHANGE : VAR. PROC renamed. PROC course.

STANDARD ARRIVAL CHART - INSTRUMENT

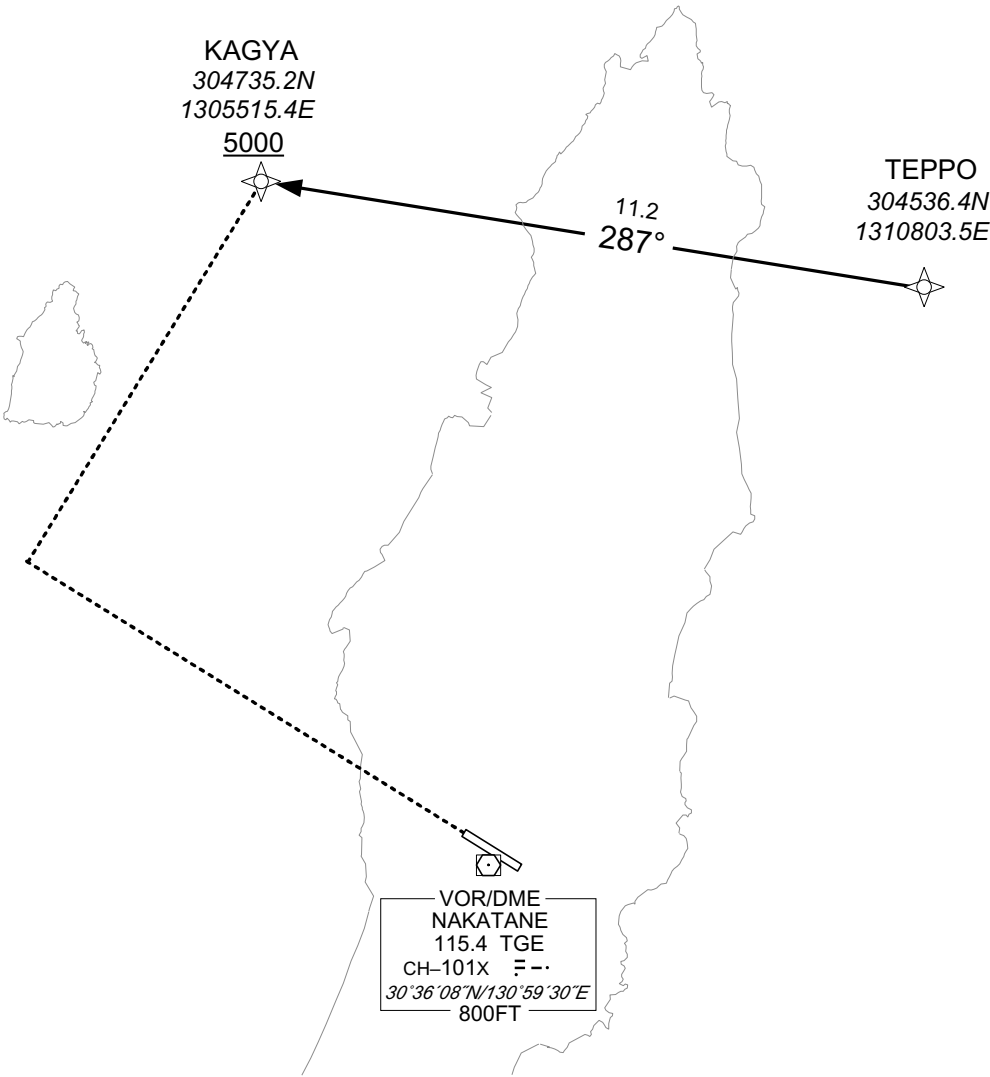
RJFG / TANEGASHIMA

RNAV STAR RWY13

TEPPO ARRIVAL	Basic RNP1
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Note GNSS required.

VAR 7°W



CHANGE : New PROC.

From TEPPO, to KAGYA at or above 5000FT.

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	—	—	—	—	—	Basic RNP1
002	TF	KAGYA	—	287 (280.3)	-7.0	11.2	—	+5000	—	—	Basic RNP1

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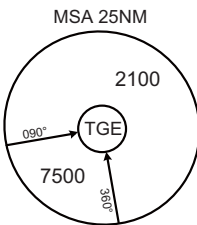
INSTRUMENT APPROACH CHART

RJFG / TANEGASHIMA

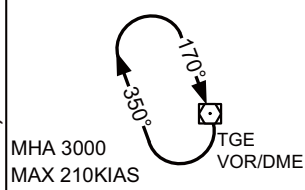
ILS or LOC RWY31

KOBE CONTROL 133.85 - 315.3 134.6 - 225.65	ILS - LOC 108.95 ITN 310° ILS-GP 329.15 ILS-DME CH-26Y	TANEGASHIMA RADIO 118.75 AFIS provided by Kagoshima Airport Office	NO RADAR
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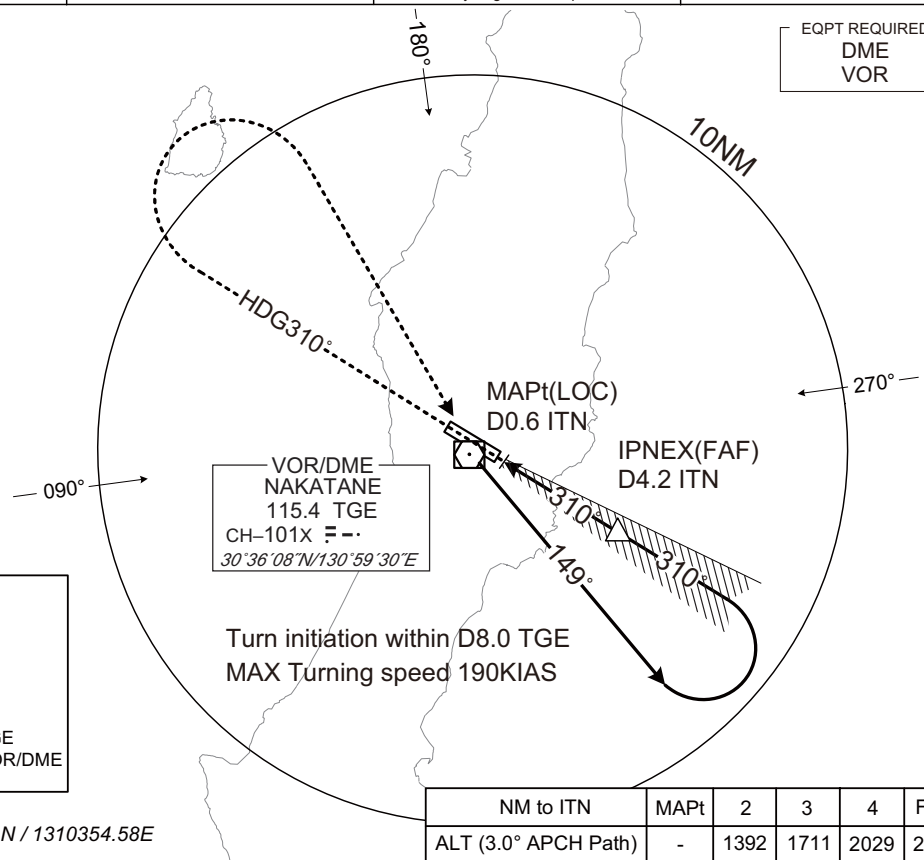
VAR 7°W



NOT TO SCALE



IPNEX(FAF) : 303349.91N / 1310354.58E

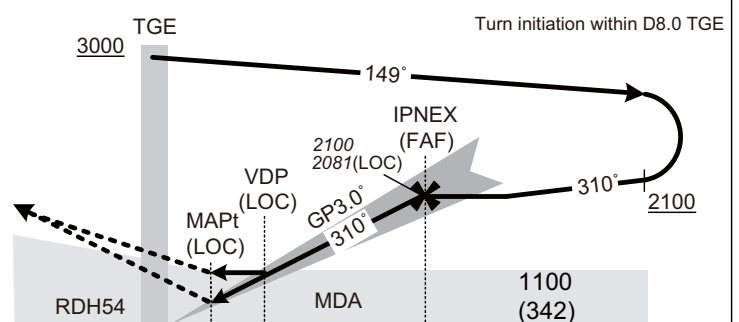


NM to ITN	MAPt	2	3	4	FAF
ALT (3.0° APCH Path)	-	1392	1711	2029	2081

MISSED APPROACH

Climb on HDG310° to 3000FT,
turn right, direct to TGE VOR/DME
and hold.
Contact TANEGASHIMA RADIO.

Timing not authorized for defining the MAPt.



DME to ITN	0.2	0.6	1.1	4.2
NM to THR	0	0.5	1.0	4.0

Missed APCH climb gradient MNM 4.0%

MINIMA		THR elev. 758		AD elev. 768		
CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	958(200)	550	1100(342)	900	1500(732)	1600
B				1000		
C				1400	1800(1032)	2400
D						3200

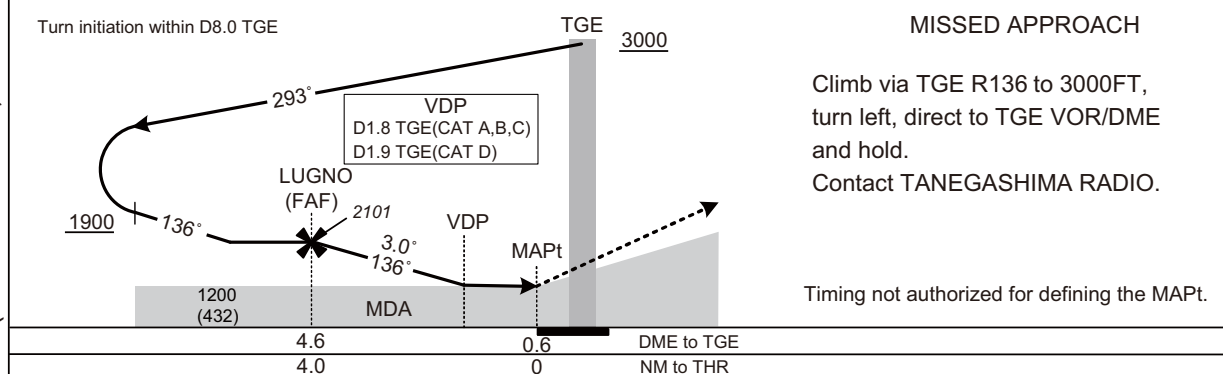
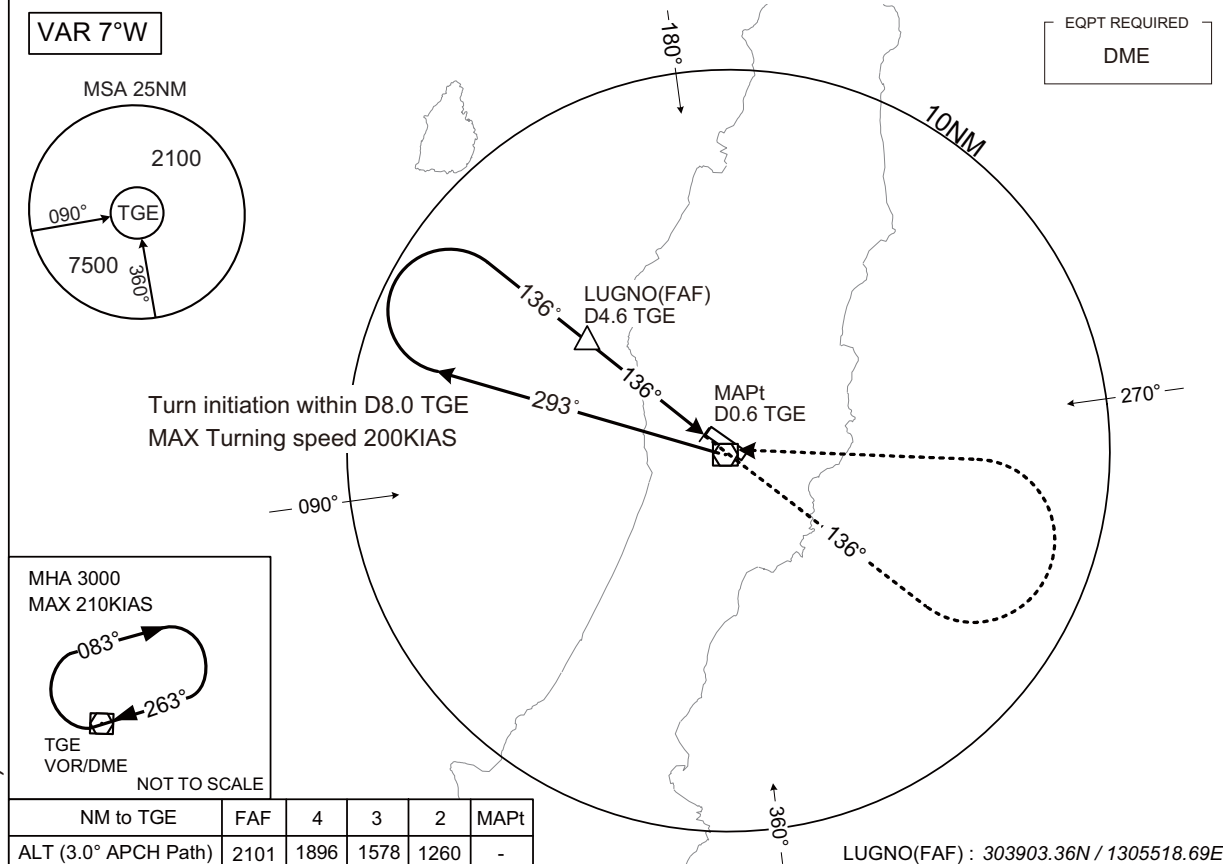
MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to NORTH side of RWY only.

CHANGE : FREQ of KOBE CONTROL(127.15 → 134.6, 251.0 → 225.65).

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VOR RWY13

KOBE CONTROL 133.85 - 315.3 134.6 - 225.65	NAKATANE VOR/DME 115.4 TGE FM CH - 101X <i>30°36'08"N/130°59'30"E</i>	TANEGASHIMA RADIO 118.75 AFIS provided by Kagoshima Airport Office	NO RADAR
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Missed APCH climb gradient MNM 5.0%				
MINIMA		THR elev. 778		AD elev. 768
CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	1160(392)	1200	1500(732)	1600
B		1300		
C	1180(412)	1400	1800(1032)	2400
D	1200(432)	1600		3200

MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to NORTH side of RWY only.

CHANGE : FREQ of KOBE CONTROL(127.15 \rightarrow 134.6, 251.0 \rightarrow 225.65).

INSTRUMENT APPROACH CHART

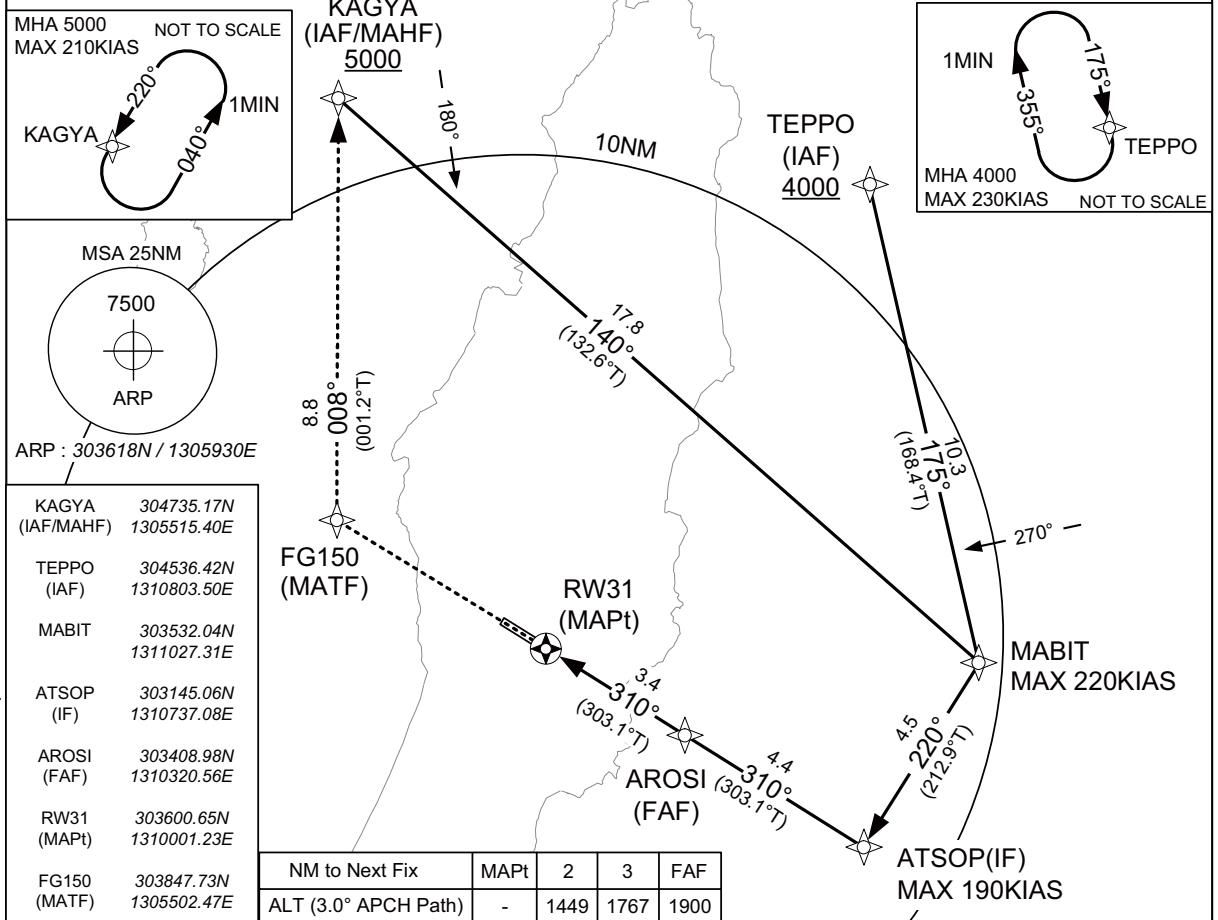
RJFG / TANEGASHIMA

RNP RWY31

KOBE CONTROL 133.85 - 315.3 134.6 - 225.65	RNP APCH MSAS CH88975 M31A	TANEGASHIMA RADIO 118.75 AFIS provided by Kagoshima Airport Office	NO RADAR
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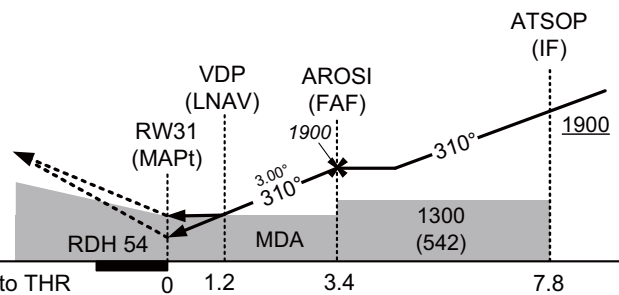
VAR 7°W

Baro-VNAV not authorized below -5°C



MISSED APPROACH

Direct to FG150, to KAGYA and hold at 5000FT.
Contact TANEGASHIMA RADIO.



Missed APCH climb gradient MNM 5.0%

MINIMA		THR elev. 758		AD elev. 768				
CAT	LPV		LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	RVR/CMV	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	1043(285)	800	1170(412)	900	1170(412)	900	1500(732)	1600
B	1053(295)			1000		1000		
C	1063(305)	1000		1400		1400	1800(1032)	2400
D	1073(315)	1400				3200		

MINIMA with Missed APCH climb gradient of 2.5% are not established.
Circling to NORTH side of RWY only.

CHANGE : FREQ of KOBE CONTROL(127.15 → 134.6, 251.0 → 225.65).

INSTRUMENT APPROACH CHART

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		

Required additional data

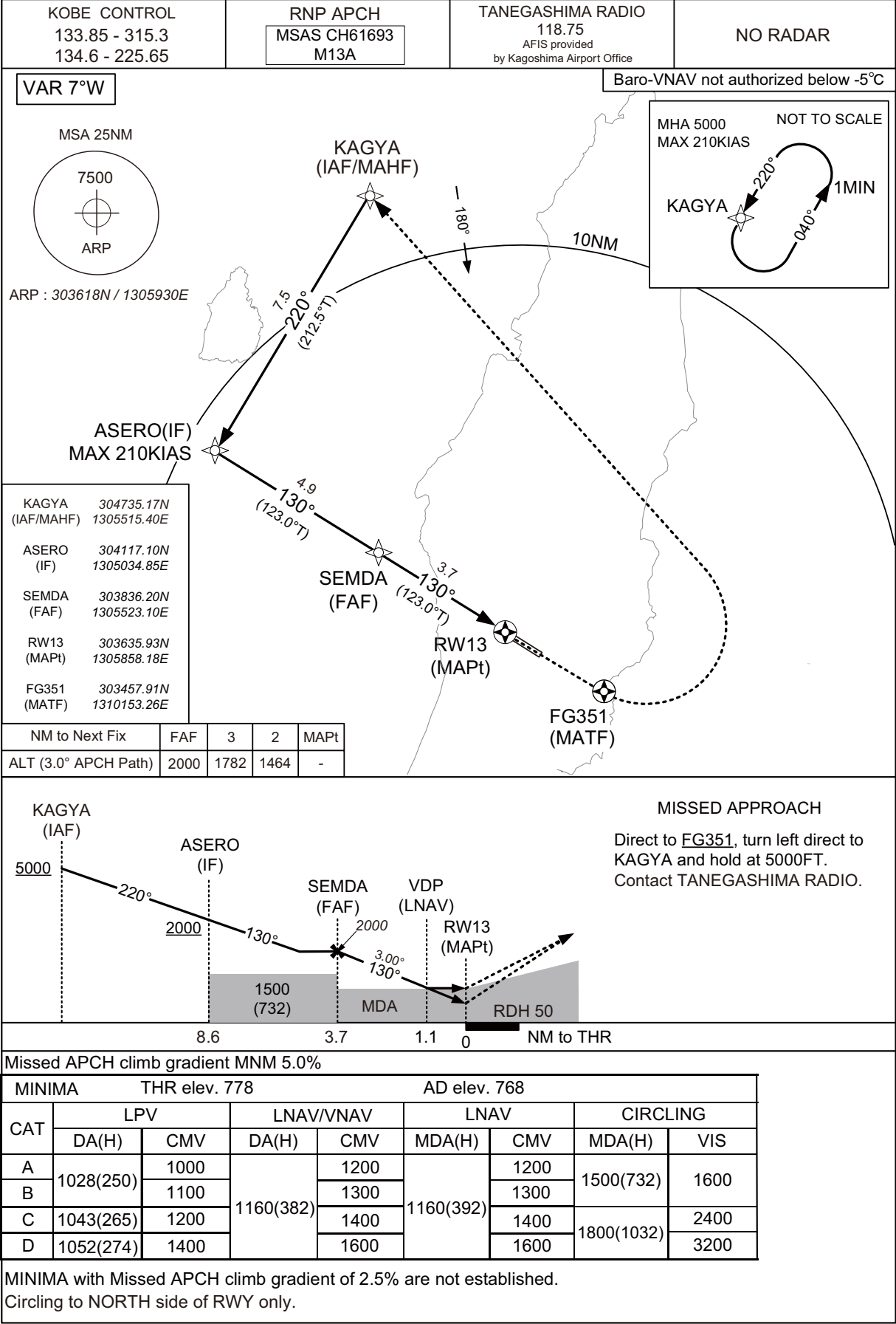
LTP/FTP orthometric height	231.2
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CHANGE : New PROC.

INSTRUMENT APPROACH CHART

RJFG / TANEGASHIMA

RNP RWY13



RJFG / TANEGASHIMA

RNP RWY13

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		

LTP/FTP orthometric height	237.1
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CHANGE : FAS DATA BLOCK, Required additional data established.

RJFG / TANEGASHIMA

Visual REP



※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).

CHANGE : VAR.

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

RJFG / TANEGASHIMA

Minimum Vectoring Altitude CHART

CHANGE : Minimum vectoring altitude(6000→5000).



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

CENTER : 303618N/1305930E (ARP)