

RJKB / OKIERABU SID

#### MEKAX NORTH THREE DEPARTURE

RWY04: Climb RWY HDG to 500FT, turn left...

RWY22 : Climb RWY HDG to 600FT, turn left HDG341°... ... to intercept and proceed via ONC R026 to MEKAX.

Note RWY22 : 5.0% climb gradient required up to 600FT.

OBST ALT 145FT located at 0.2NM 257° FM end of RWY22.

#### YUWAN SIX DEPARTURE

RWY04: Climb RWY HDG to 500FT,...

RWY22 : Climb RWY HDG to 600FT, turn left HDG002° to intercept and proceed...

... via ONC R047 to YUWAN.

Cross YUWAN at assigned altitude.

Note RWY22: 5.0% climb gradient required up to 600FT.

OBST ALT 145FT located at 0.2NM 257° FM end of RWY22.

#### ASATO NINE DEPARTURE

RWY04: Climb RWY HDG to 500FT, turn right HDG265° to intercept and proceed...

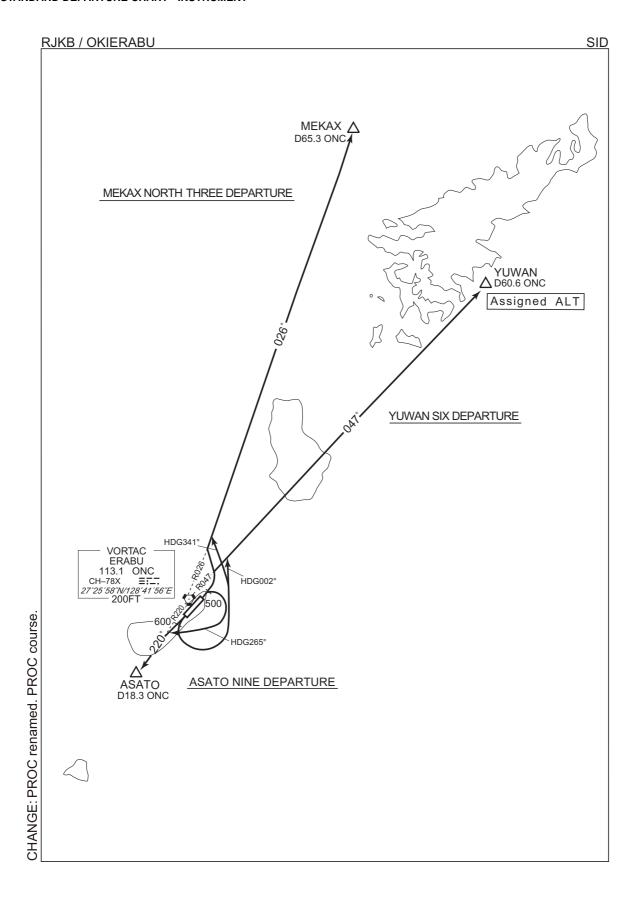
RWY22: Climb RWY HDG to 600FT,...

... via ONC R220 to ASATO.

Note RWY22: 5.0% climb gradient required up to 600FT.

OBST ALT 145FT located at 0.2NM 257° FM end of RWY22.

CHANGE: PROC renamed. PROC course. Note added.



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# ERABU REVERSAL TWO DEPARTURE

RWY04: Climb RWY HDG to 500FT, turn right, via ONC R090 to ONC 12.0DME, turn right, via ONC R110 to ONC VORTAC.

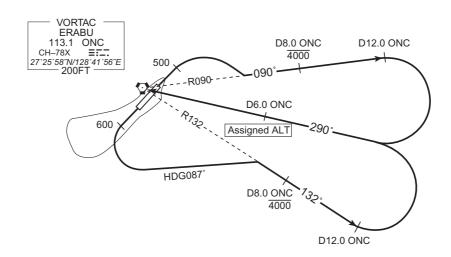
Cross ONC R090/8.0DME at or below 4000FT, cross ONC R110/6.0DME at assigned altitude.

RWY22: Climb RWY HDG to 600FT, turn left HDG087 to intercept and proceed via ONC R132 to ONC 12.0DME, turn left, via ONC R110 to ONC VORTAC. Cross ONC R132/8.0DME at or below 4000FT, cross ONC R110/6.0DME at assigned altitude.

Note RWY22 : 5.0% climb gradient required up to 600FT.

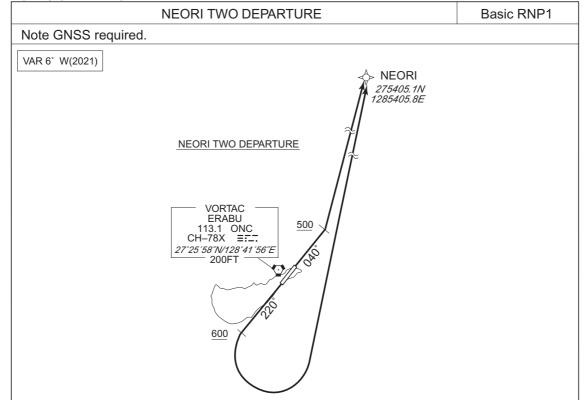
OBST ALT 145FT located at 0.2NM 257° FM end of RWY22.

# ERABU REVERSAL TWO DEPARTURE



CHANGE: PROC renamed. Note added.

RJKB / OKIERABU RNAV SID



#### NEORI TWO DEPARTURE

RWY04: Climb on HDG040° at or above 500FT, turn left direct to NEORI. RWY22: Climb on HDG220° at or above 600FT, turn left direct to NEORI.

Note RWY22: 5.0% climb gradient required up to 600FT.

OBST ALT 145FT located at 0.2NM 257° FM end of RWY22.

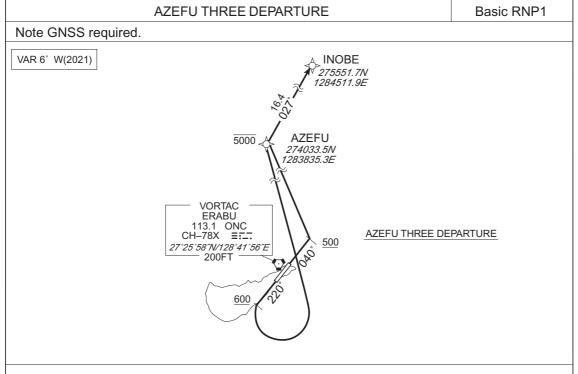
#### RWY04

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over		Magnetic Variation		Turn Direction				Navigation Specification
001	VA	_	_	040 (034.1)	-5.9	_	_	+500	_	_	Basic RNP1
002	DF	NEORI	_	-	-5.9	_	L	_	-	ı	Basic RNP1

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over		Magnetic Variation		Turn Direction		'		Navigation Specification
001	VA	_	_	220 (214.1)	-5.9	_	_	+600	ı	_	Basic RNP1
002	DF	NEORI	_	_	-5.9	_	L	_	_	_	Basic RNP1

# **RNAV TRANSITION** RJKB / OKIERABU MEKAX TRANSITION Basic RNP1 Note GNSS required. VAR 6° W(2021) - MEKAX 282654.7N 1290826.4E MEKAX TRANSITION **NEORI** 275405.1N 1285405.8E MEKAX TRANSITION From NEORI to MEKAX. Fly Magnetic Distance Altitude Speed Vertical Navigation Serial Path Waypoint Course Turn Over Number Descriptor Identifier °M(°T) Variation (NM) Direction (KIAS) Angle Specification (FT) 001 IF Basic RNP1 **NEORI** -5.9 027 (021.0) 002 TF Basic RNP1 **MEKAX** -5.9 35.2

RJKB / OKIERABU RNAV SID



# AZEFU THREE DEPARTURE

RWY04: Climb on HDG040° at or above 500FT, turn left direct to AZEFU at or below 5000FT,

RWY22: Climb on HDG220 $^{\circ}$  at or above 600FT, turn left direct to AZEFU at or below 5000FT, to INOBE.

Note RWY22 : 5.0% climb gradient required up to 600FT.

OBST ALT 145FT located at 0.2NM 257° FM end of RWY22.

# RWY04

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	_	_	040 (034.1)	-5.9	_	_	+500	_	_	Basic RNP1
002	DF	AZEFU	_	_	-5.9	_	L	-5000	_	_	Basic RNP1
003	TF	INOBE	_	027 (020.9)	-5.9	16.4	_	_	_	_	Basic RNP1

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	-	_	220 (214.1)	-5.9	_	1	+600	_	_	Basic RNP1
002	DF	AZEFU	_	_	-5.9	_	L	-5000	_	_	Basic RNP1
003	TF	INOBE	_	027 (020.9)	-5.9	16.4	_	_	_	_	Basic RNP1

**RNAV TRANSITION** RJKB / OKIERABU INOBE TRANSITION Basic RNP1 Note GNSS required. VAR 6° W(2021) MEKAX INOBE TRANSITION <sup>√</sup> 282654.7N 1290826.4E INOBE 275551.7N 1284511.9E INOBE TRANSITION From INOBE to MEKAX. Fly Serial Path Waypoint Course Magnetic Distance Turn Altitude Speed Vertical Navigation Identifier Direction Specification Number Descriptor Over °M(°T) Variation (NM) (KIAS) Angle (FT) 001 IF INOBE -5.9 Basic RNP1

> 039 (033.3)

-5.9

37.2

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TF

**MEKAX** 

Basic RNP1

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#### SONNA TWO DEPARTURE

RWY04: Climb on HDG040° at or above 500FT, direct to SONNA.

RWY22: Climb on HDG220° at or above 600FT, turn left direct to SONNA.

Note RWY22 : 5.0% climb gradient required up to 600FT.

OBST ALT 145FT located at 0.2NM 257° FM end of RWY22.

# RWY04

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over		Magnetic Variation	l	Turn Direction		'		Navigation Specification
001	VA	_	_	040 (034.1)	-5.9	_	_	+500	_	_	Basic RNP1
002	DF	SONNA	_	_	-5.9	_	_	_	_	_	Basic RNP1

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over		Magnetic Variation		Turn Direction		'		Navigation Specification
001	VA	_	_	220 (214.1)	-5.9	_	_	+600	_	_	Basic RNP1
002	DF	SONNA	_	_	-5.9	_	L	_	_	_	Basic RNP1

RJKB / OKIERABU

YUWAN TRANSITION

Note GNSS required.

VAR 6" W(2021)

YUWAN TRANSITION

SONNA
274831.0N
1290435.1E

YUWAN TRANSITION

From SONNA to YUWAN.

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation		Turn Direction	Altitude (FT)	Speed (KIAS)		Navigation Specification
001	IF	SONNA	_	_	-5.9	_	_	_	_	_	Basic RNP1
002	TF	YUWAN	_	048 (041.8)	-5.9	30.4	_	_	_	_	Basic RNP1
											,

# RNAV SID YUNTA TWO DEPARTURE Basic RNP1 Note GNSS required. VORTAC ERABU 113.1 ONC CH-78X =FT. 27'25' 58'N'128' 41' 56' F. 200FT ASATO 27'1054.2N 1283014.7E YUNTA TWO DEPARTURE

# YUNTA TWO DEPARTURE

RWY04: Climb on HDG040  $^{\circ}$  at or above 500FT, turn right direct to ASATO.

RWY22: Climb on HDG220° at or above 600FT, direct to ASATO.

Note RWY22 : 5.0% climb gradient required up to 600FT.

OBST ALT 145FT located at 0.2NM 257° FM end of RWY22.

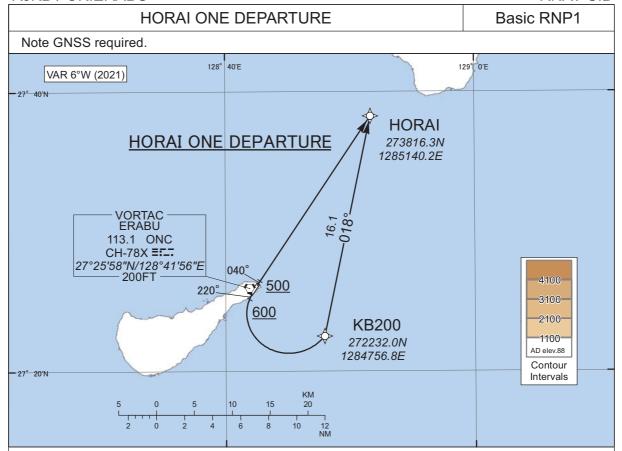
# RWY04

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over		Magnetic Variation		Turn Direction		'		Navigation Specification
001	VA	_	_	040 (034.1)	-5.9	_	_	+500	_	_	Basic RNP1
002	DF	ASATO	_	_	-5.9	_	R	_	_	_	Basic RNP1

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over		Magnetic Variation	l	Turn Direction			1	Navigation Specification
001	VA	_	_	220 (214.1)	-5.9	_	_	+600	_	_	Basic RNP1
002	DF	ASATO	_	_	-5.9	_	_	_	_	_	Basic RNP1

# RJKB / OKIERABU

**RNAV SID** 



# HORAI ONE DEPARTURE

RWY04 : Climb on HDG 040° at or above 500FT, direct to HORAI.

RWY22 : Climb on HDG 220° at ot above 600FT, turn left direct to KB200, to HORAI.

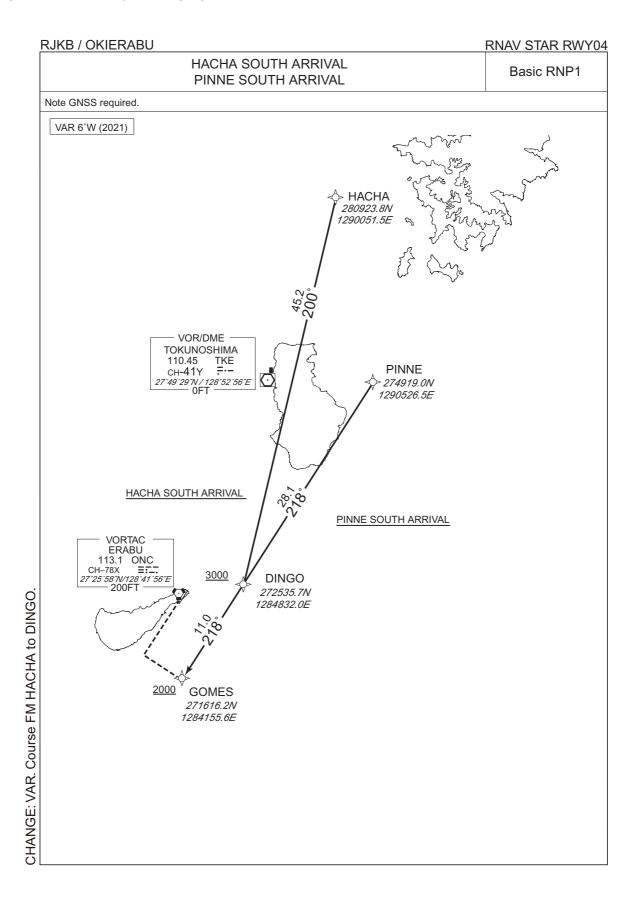
NOTE RWY22: 5.0% climb gradient required up to 600FT.

OBST ALT 145FT located at 0.2NM 257° FM end of RWY22

#### RWY04

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	-	-	040 (034.1)	-5.9	-	-	+500	-	-	Basic RNP1
002	DF	HORAI	-	-	-5.9	-	-	-	-	-	Basic RNP1

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	-	-	220 (214.1)	-5.9	-	-	+600	1	-	Basic RNP1
002	DF	KB200	-	-	-5.9	-	L	-	ı	-	Basic RNP1
003	TF	HORAI	-	018 (011.8)	-5.9	16.1	-	-	-	-	Basic RNP1



# RJKB / OKIERABU

RNAV STAR RWY04

# HACHA SOUTH ARRIVAL

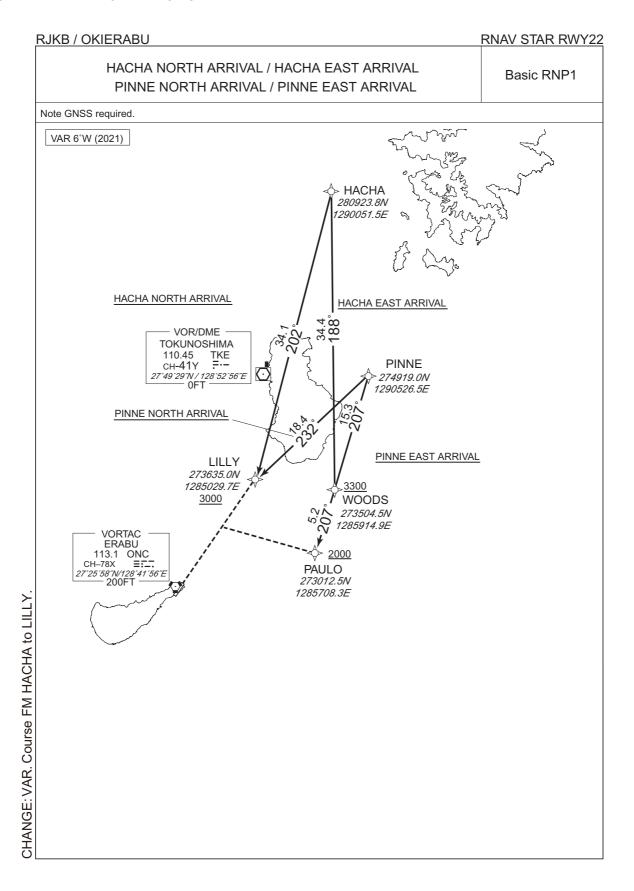
From HACHA, to DINGO at or above 3000FT, to GOMES at or above 2000FT.

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over		Magnetic Variation		Turn Direction	Altitude (FT)	Speed (KIAS)		
001	IF	HACHA	_	_	-5.9	_	_	_	_	_	Basic RNP1
002	TF	DINGO	_	200 (194.0)	-5.9	45.2	_	+3000	_	_	Basic RNP1
003	TF	GOMES	_	218 (212.2)	-5.9	11.0	_	+2000	_	_	Basic RNP1

# PINNE SOUTH ARRIVAL

From PINNE, to DINGO at or above 3000FT, to GOMES at or above 2000FT.

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation		Turn Direction	Altitude (FT)	'		Navigation Specification
001	IF	PINNE	_	_	-5.9	_	_	_	_	_	Basic RNP1
002	TF	DINGO	_	218 (212.3)	-5.9	28.1	_	+3000	_	_	Basic RNP1
003	TF	GOMES	_	218 (212.2)	-5.9	11.0	_	+2000	_	_	Basic RNP1



# RJKB / OKIERABU

**RNAV STAR RWY22** 

# HACHA NORTH ARRIVAL

From HACHA, to LILLY at or above 3000FT.

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over		Magnetic Variation		Turn Direction				Navigation Specification
001	IF	НАСНА	_	_	-5.9	_	_	_	_	_	Basic RNP1
002	TF	LILLY	_	202 (195.6)	-5.9	34.1	_	+3000	_	_	Basic RNP1

# HACHA EAST ARRIVAL

From HACHA, to WOODS at or above 3300FT, to PAULO at or above 2000FT.

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation		Turn Direction	Altitude (FT)	Speed (KIAS)		
001	IF	HACHA	_	_	-5.9	_	_	_	_	_	Basic RNP1
002	TF	WOODS	_	188 (182.4)	-5.9	34.4	_	+3300	_	_	Basic RNP1
003	TF	PAULO	_	207 (201.0)	-5.9	5.2	_	+2000	_	_	Basic RNP1

# PINNE NORTH ARRIVAL

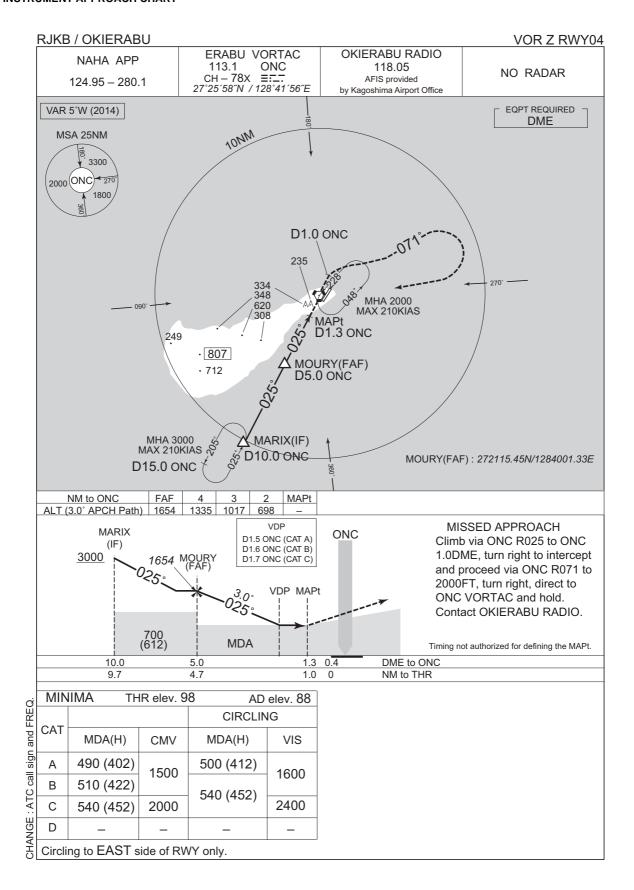
From PINNE, to LILLY at or above 3000FT.

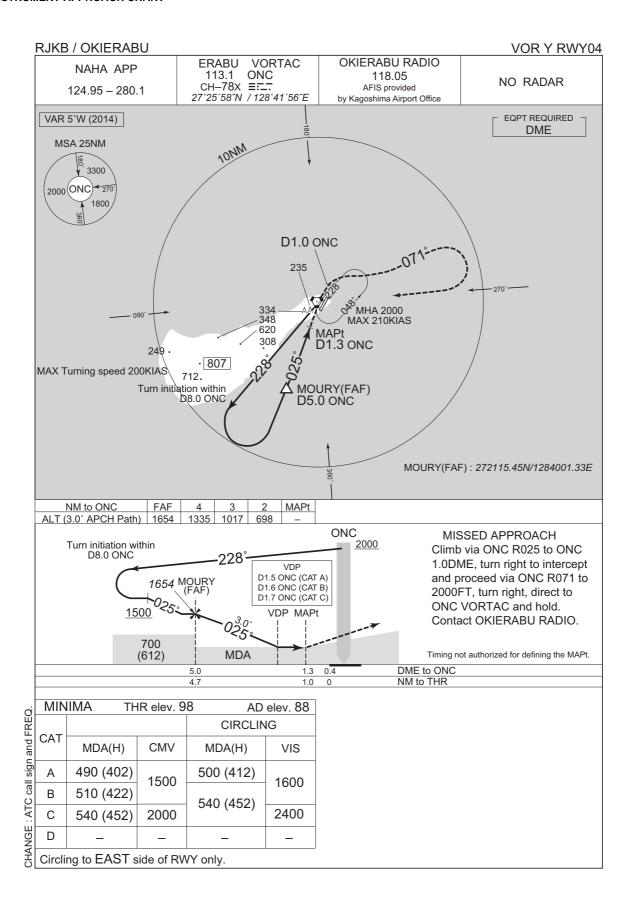
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over		Magnetic Variation		Turn Direction				Navigation Specification
001	IF	PINNE	_	_	-5.9	_	_	_	_	_	Basic RNP1
002	TF	LILLY	_	232 (226.2)	-5.9	18.4	_	+3000	_	_	Basic RNP1

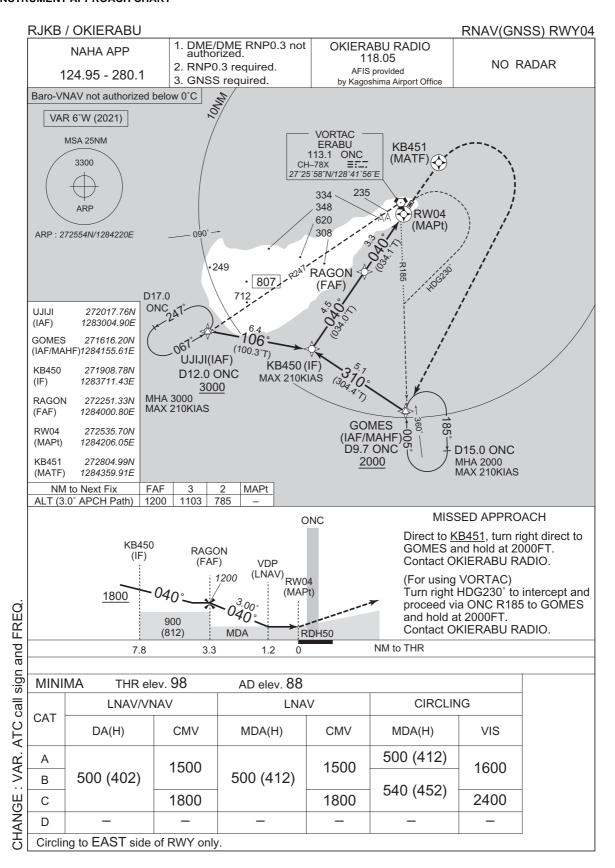
# PINNE EAST ARRIVAL

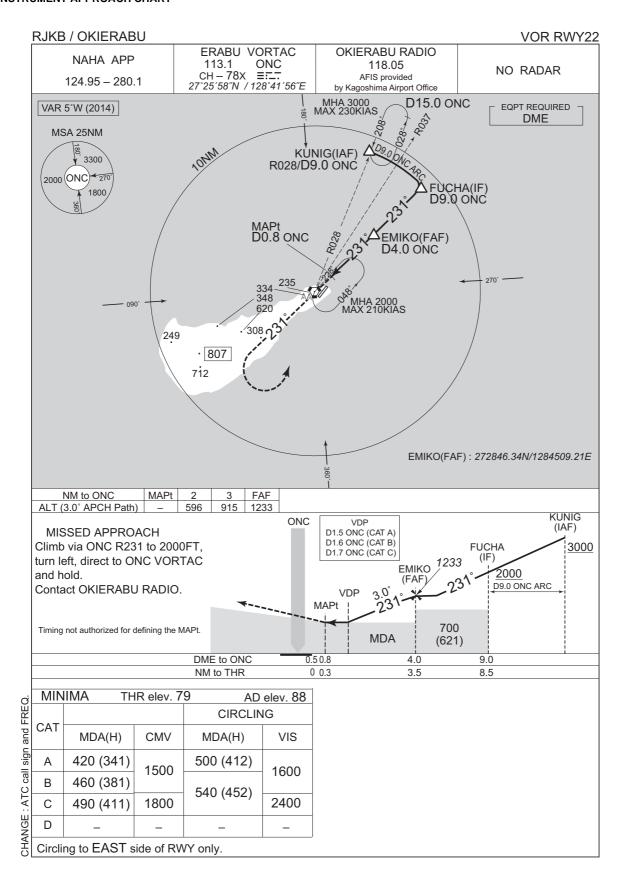
From PINNE, to WOODS at or above 3300FT, to PAULO at or above 2000FT.

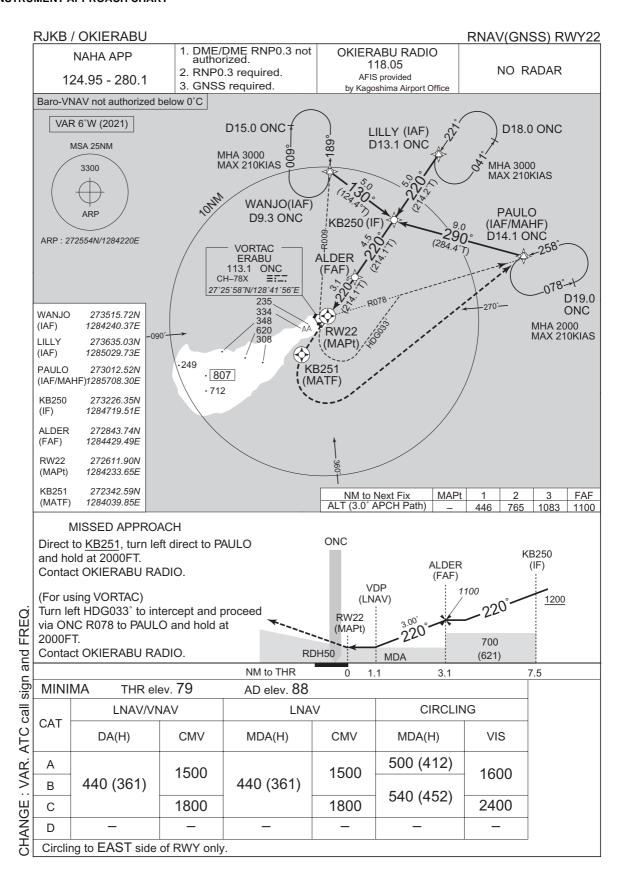
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation		Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	0
001	IF	PINNE	_	_	-5.9	_	_	_	_	_	Basic RNP1
002	TF	WOODS	-	207 (201.1)	-5.9	15.3	_	+3300	_	_	Basic RNP1
003	TF	PAULO	_	207 (201.0)	-5.9	5.2	_	+2000	_	_	Basic RNP1

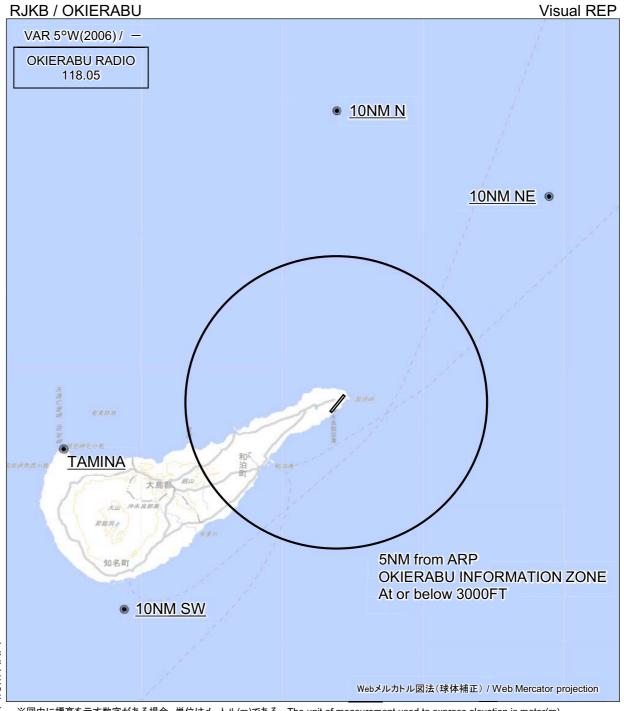












※図中に標高を示す数字がある場合、単位はメートル(m)である。The unit of measurement used to express elevation is meter(m).

Call sign	BRG / DIST from ARP	Remarks
10NM N	000°T / 10.0NM	海上 Over the sea
10NM NE	045°T / 10.0NM	海上 Over the sea
田皆 Tamina	260°T / 9.2NM	岬 Cape
10NM SW	225°T / 10.0NM	海上 Over the sea

