

STANDARD DEPARTURE CHART - INSTRUMENT

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.

## STANDARD DEPARTURE CHART - INSTRUMENT

RJKB / OKIERABU

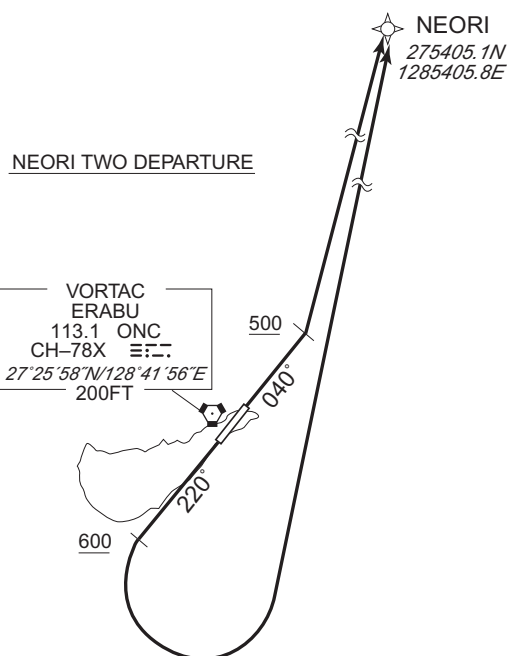
RNAV SID

## NEORI TWO DEPARTURE

Basic RNP1

Note GNSS required.

VAR 6° W(2021)



## 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	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	NEORI	—	—	-5.9	—	L	—	—	—	Basic RNP1

## RWY22

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	—	—	220 (214.1)	-5.9	—	—	+600	—	—	Basic RNP1
002	DF	NEORI	—	—	-5.9	—	L	—	—	—	Basic RNP1

CHANGE: VAR. PROC renamed. PROC course. Note added.

STANDARD DEPARTURE CHART - INSTRUMENT

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RNAV TRANSITION

MEKAX TRANSITION	Basic RNP1																																				
Note GNSS required.																																					
<div>VAR 6° W(2021)</div> <div><p>MEKAX TRANSITION</p><p>MEKAX 282654.7N 1290826.4E</p><p>NEORI 275405.1N 1285405.8E</p><p>35.2 027°</p></div>																																					
<div>MEKAX TRANSITION</div> <div>From NEORI to MEKAX.</div>																																					
<div>CHANGE: VAR. Navigation Specification. PROC course.</div> <table><thead><tr><th>Serial Number</th><th>Path Descriptor</th><th>Waypoint Identifier</th><th>Fly Over</th><th>Course °M(°T)</th><th>Magnetic Variation</th><th>Distance (NM)</th><th>Turn Direction</th><th>Altitude (FT)</th><th>Speed (KIAS)</th><th>Vertical Angle</th><th>Navigation Specification</th></tr></thead><tbody><tr><td>001</td><td>IF</td><td>NEORI</td><td>—</td><td>—</td><td>-5.9</td><td>—</td><td>—</td><td>—</td><td>—</td><td>—</td><td>Basic RNP1</td></tr><tr><td>002</td><td>TF</td><td>MEKAX</td><td>—</td><td>027 (021.0)</td><td>-5.9</td><td>35.2</td><td>—</td><td>—</td><td>—</td><td>—</td><td>Basic RNP1</td></tr></tbody></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	NEORI	—	—	-5.9	—	—	—	—	—	Basic RNP1	002	TF	MEKAX	—	027 (021.0)	-5.9	35.2	—	—	—	—	Basic RNP1
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	NEORI	—	—	-5.9	—	—	—	—	—	Basic RNP1																										
002	TF	MEKAX	—	027 (021.0)	-5.9	35.2	—	—	—	—	Basic RNP1																										

## STANDARD DEPARTURE CHART - INSTRUMENT

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RNAV SID

## AZEFU THREE DEPARTURE

Basic RNP1

Note GNSS required.

VAR 6° W(2021)

AZEFU THREE DEPARTURE

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

RWY22: Climb on HDG220° 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

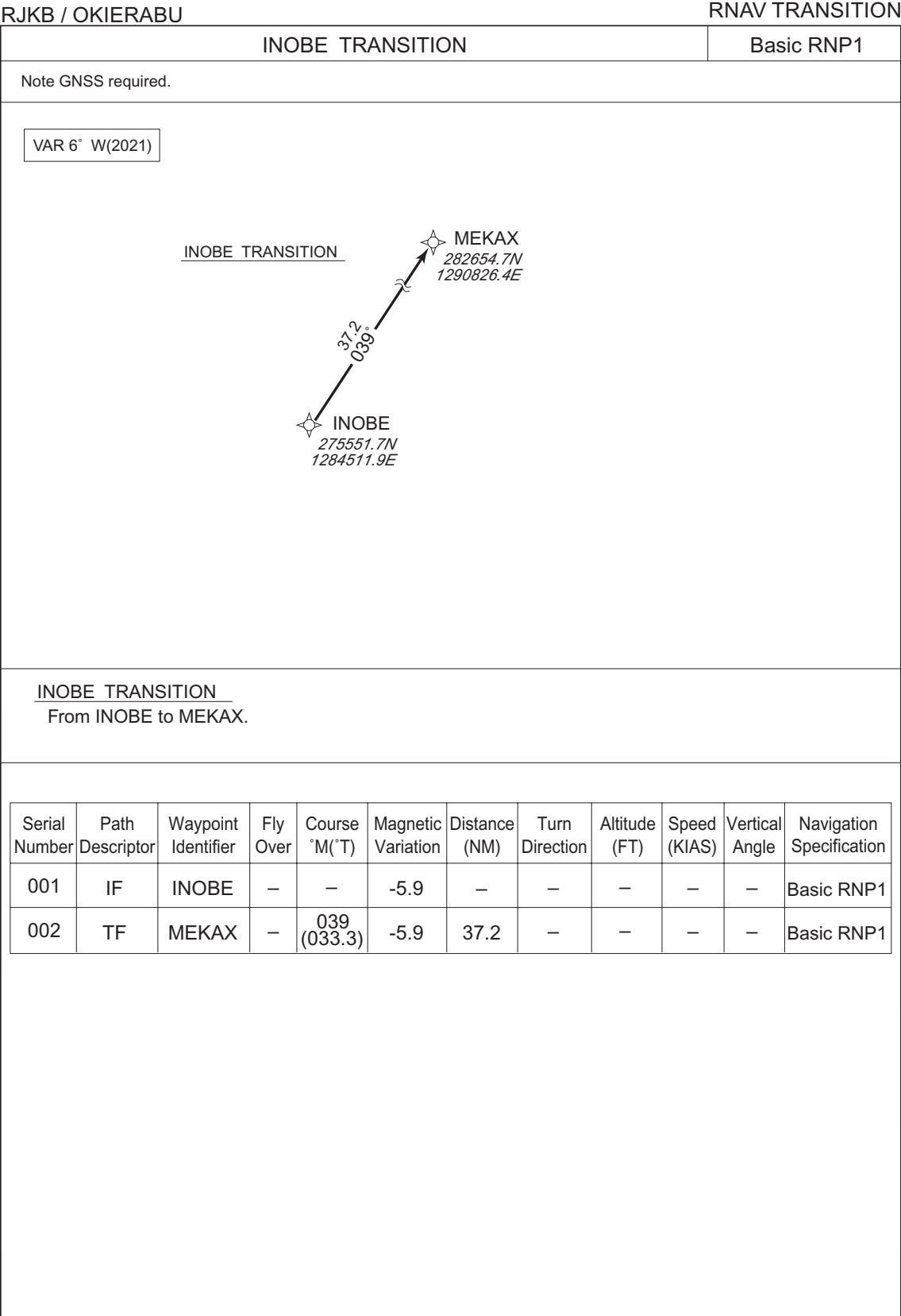
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	—	—	040 (034.1)	-5.9	—	—	+500	—	—	Basic RNP1
002	DF	AZEFU	—	—	-5.9	—	L	-5000	—	—	Basic RNP1
003	TF	INOBE	—	027 (020.9)	-5.9	16.4	—	—	—	—	Basic RNP1

## RWY22

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

CHANGE: VAR. PROC renamed. PROC course. Note added.

STANDARD DEPARTURE CHART - INSTRUMENT





## STANDARD DEPARTURE CHART - INSTRUMENT

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RNAV SID

## SONNA TWO DEPARTURE

Basic RNP1

Note GNSS required.

VAR 6° W(2021)



## 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	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	SONNA	—	—	-5.9	—	—	—	—	—	Basic RNP1

## RWY22

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	—	—	220 (214.1)	-5.9	—	—	+600	—	—	Basic RNP1
002	DF	SONNA	—	—	-5.9	—	L	—	—	—	Basic RNP1

CHANGE: VAR. PROC renamed. PROC course. Note added.

STANDARD DEPARTURE CHART - INSTRUMENT



## STANDARD DEPARTURE CHART - INSTRUMENT

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RNAV SID

## YUNTA TWO DEPARTURE

Basic RNP1

Note GNSS required.

VAR 6° W(2021)

YUNTA TWO DEPARTURE

RWY04: Climb on HDG040° 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	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	ASATO	—	—	-5.9	—	R	—	—	—	Basic RNP1

## RWY22

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	—	—	220 (214.1)	-5.9	—	—	+600	—	—	Basic RNP1
002	DF	ASATO	—	—	-5.9	—	—	—	—	—	Basic RNP1

CHANGE: VAR: PROC renamed. PROC course. Note added.

STANDARD DEPARTURE CHART - INSTRUMENT

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 or 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

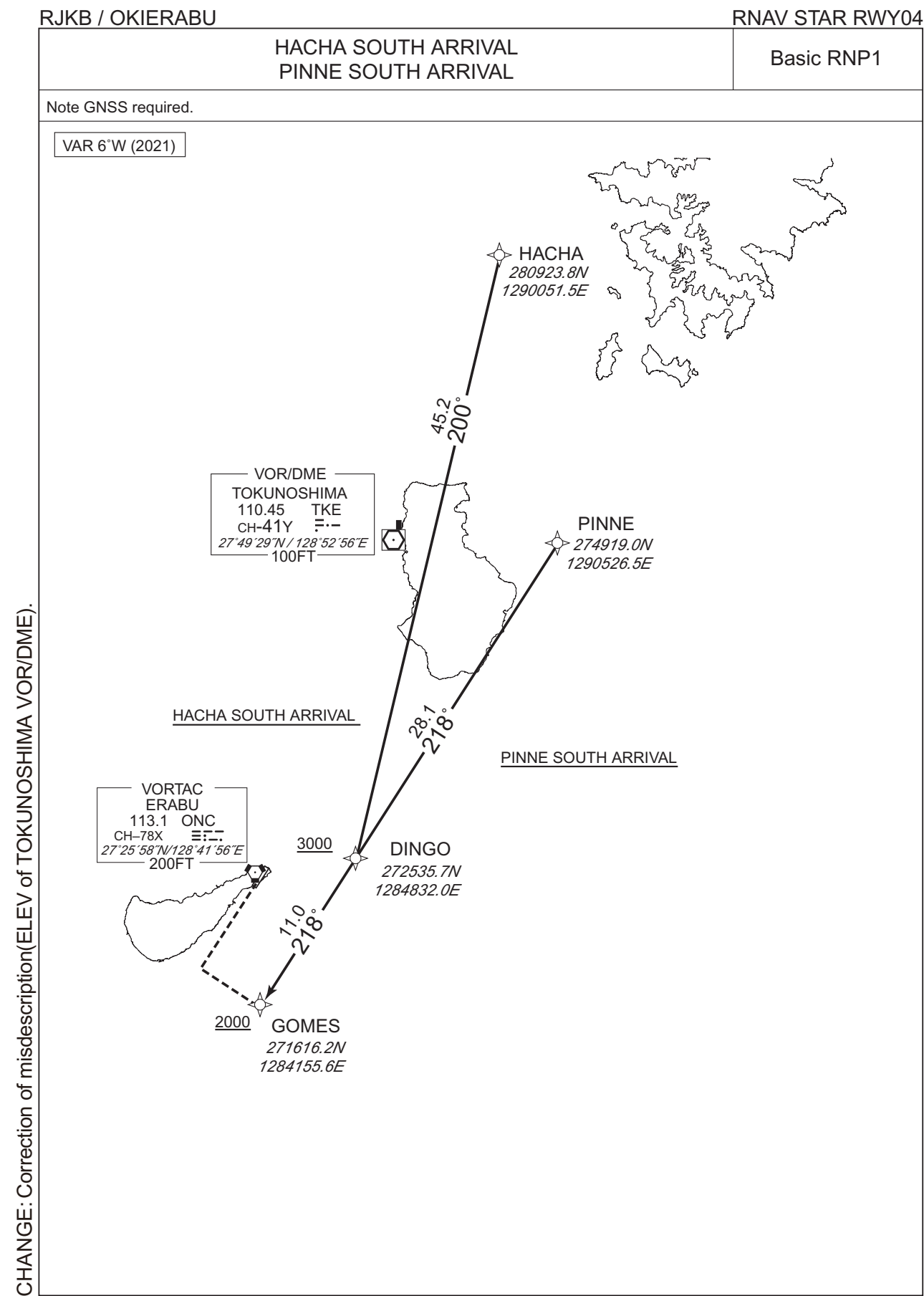
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	-	-	040 (034.1)	-5.9	-	-	+500	-	-	Basic RNP1
002	DF	HORAI	-	-	-5.9	-	-	-	-	-	Basic RNP1

RWY22

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

CHANGE : New PROC.

STANDARD ARRIVAL CHART - INSTRUMENT



## STANDARD ARRIVAL CHART - INSTRUMENT

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	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
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

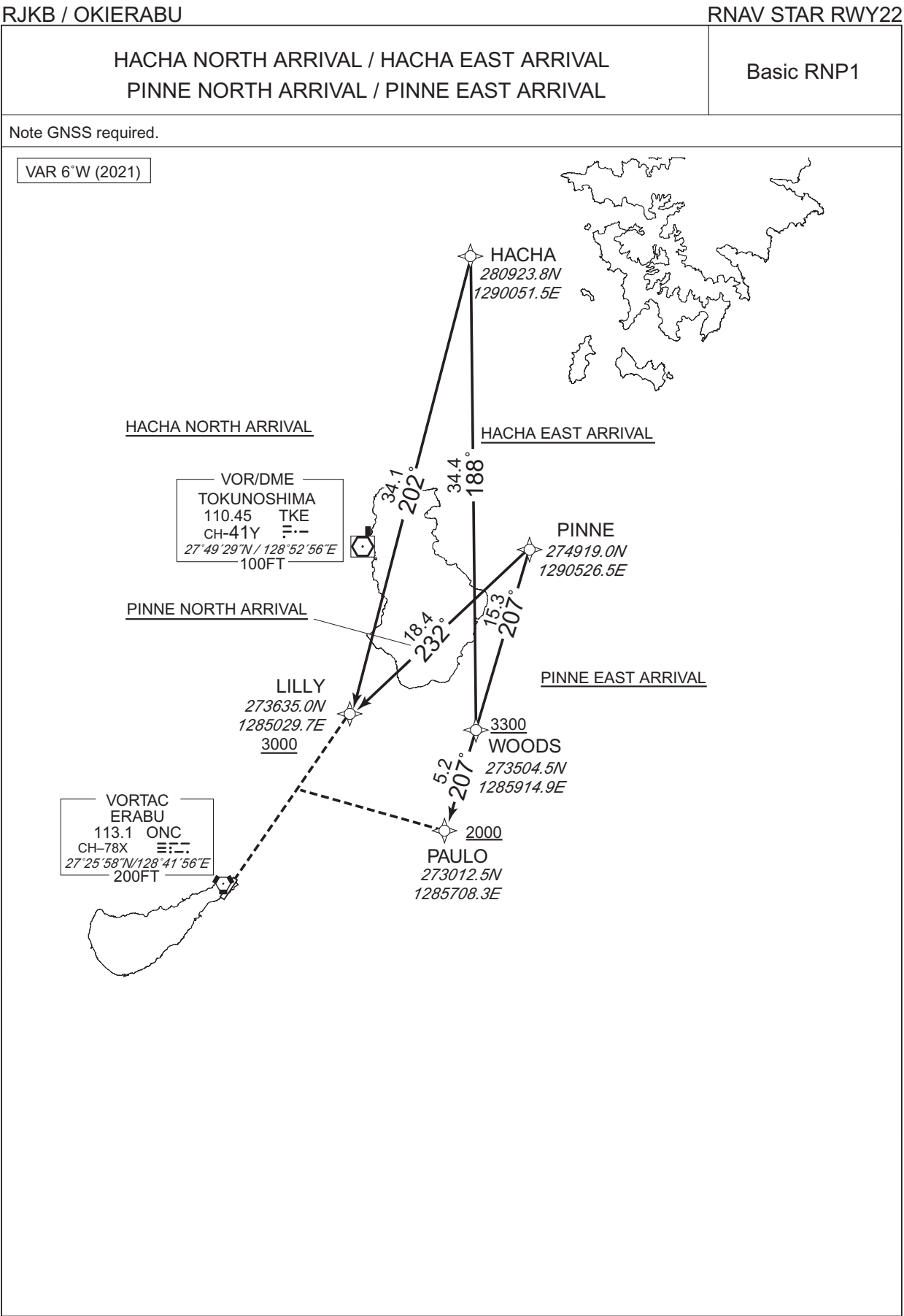
PINNE SOUTH ARRIVAL

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	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	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

CHANGE: VAR. Course FM HACHA to DINGO.

STANDARD ARRIVAL CHART - INSTRUMENT



## STANDARD ARRIVAL CHART - INSTRUMENT

RJKB / OKIERABU

RNAV STAR RWY22

HACHA NORTH ARRIVAL

From HACHA, to LILLY at or above 3000FT.

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	HACHA	—	—	-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	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
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	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	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

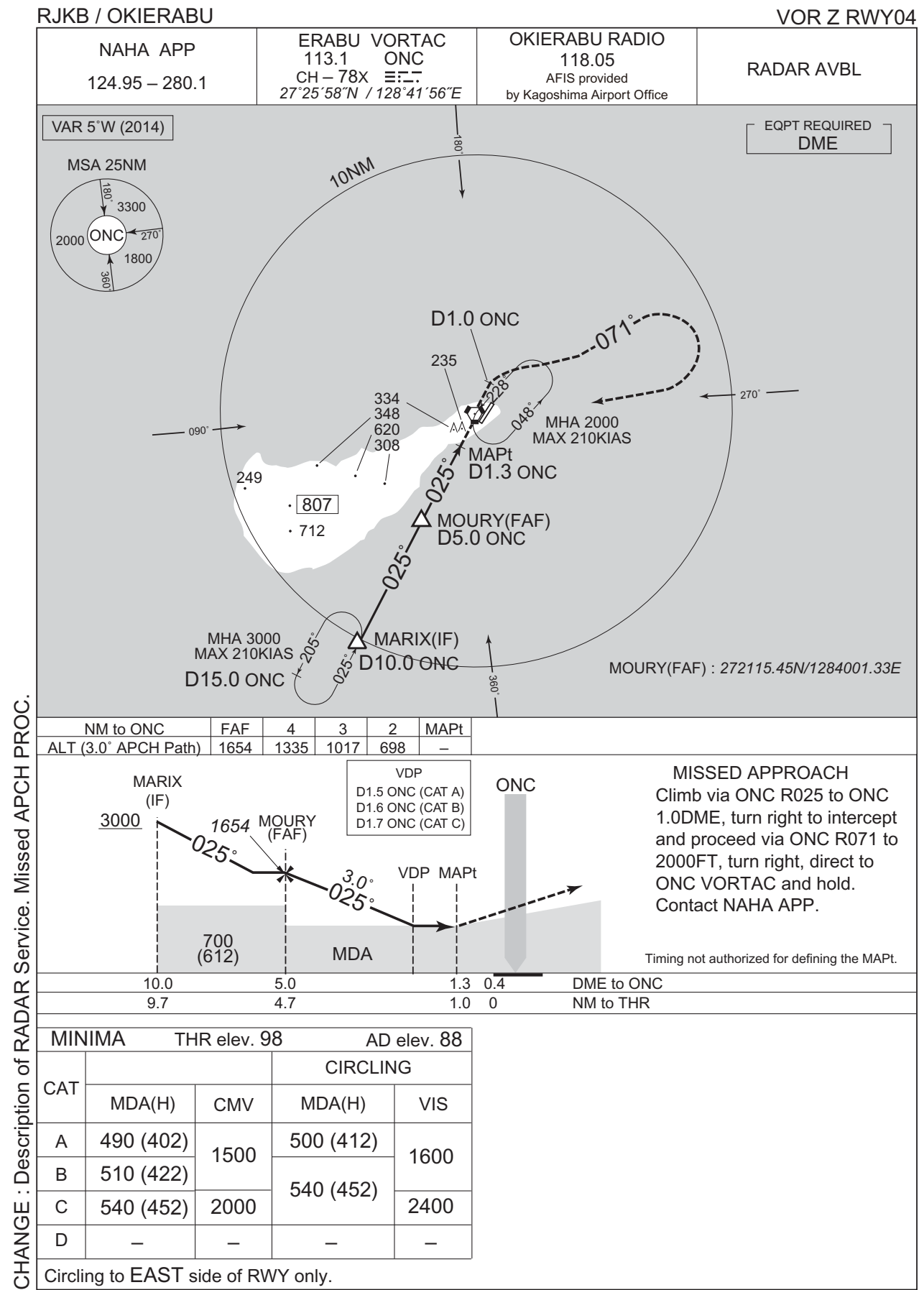
From PINNE, to WOODS at or above 3300FT, to PAULO at or above 2000FT.

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

CHANGE: PROC course FM HACHA to LILLY.



INSTRUMENT APPROACH CHART

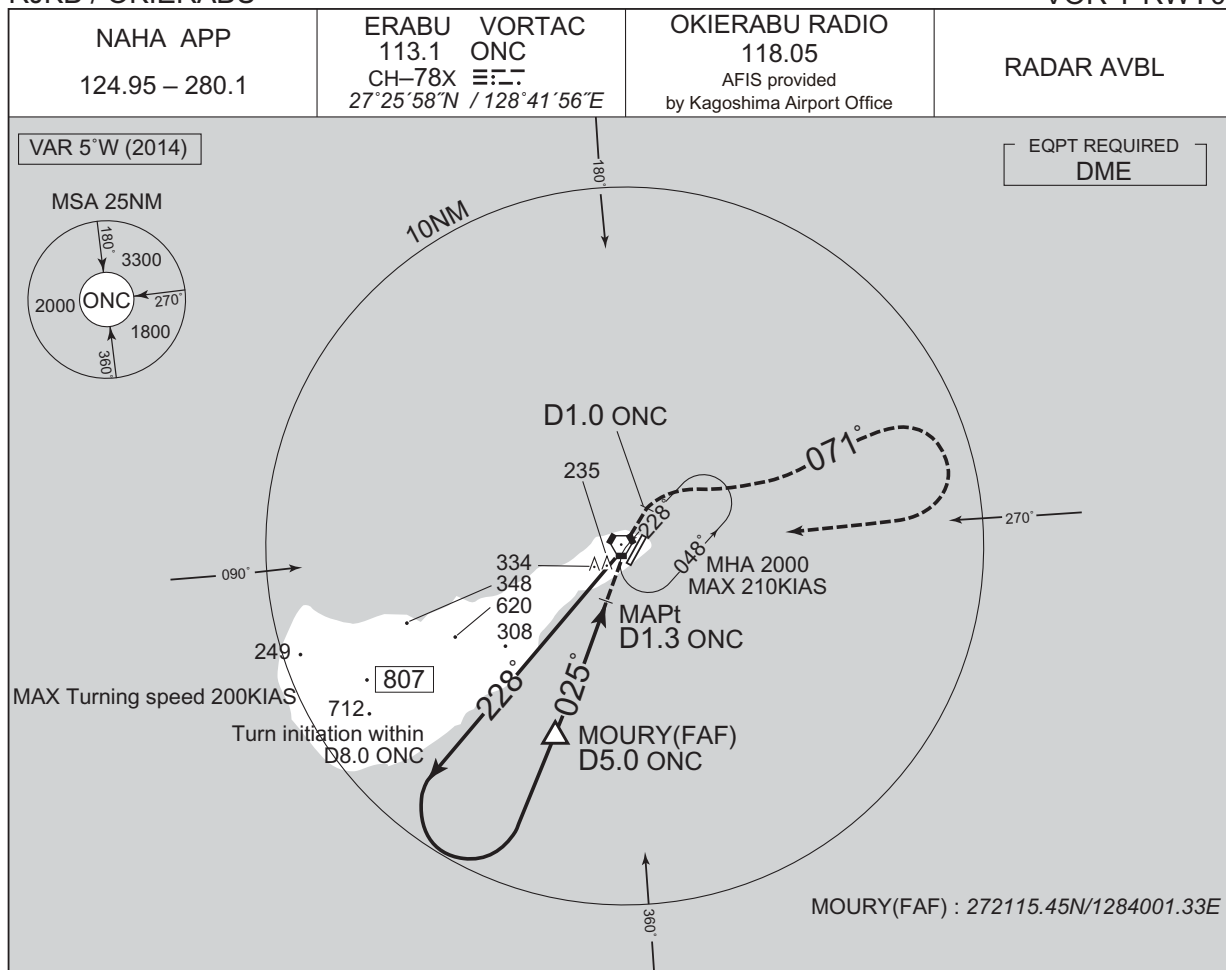


CHANGE : Description of RADAR Service. Missed APCH PROC.

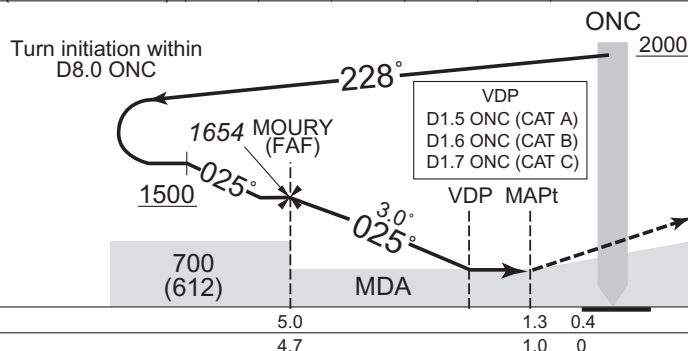
## INSTRUMENT APPROACH CHART

RJKB / OKIERABU

VOR Y RWY04



NM to ONC	FAF	4	3	2	MAPt
ALT (3.0° APCH Path)	1654	1335	1017	698	—



**MISSED APPROACH**  
 Climb via ONC R025 to ONC 1.0DME, turn right to intercept and proceed via ONC R071 to 2000FT, turn right, direct to ONC VORTAC and hold.  
 Contact NAHA APP.

Timing not authorized for defining the MAPt.

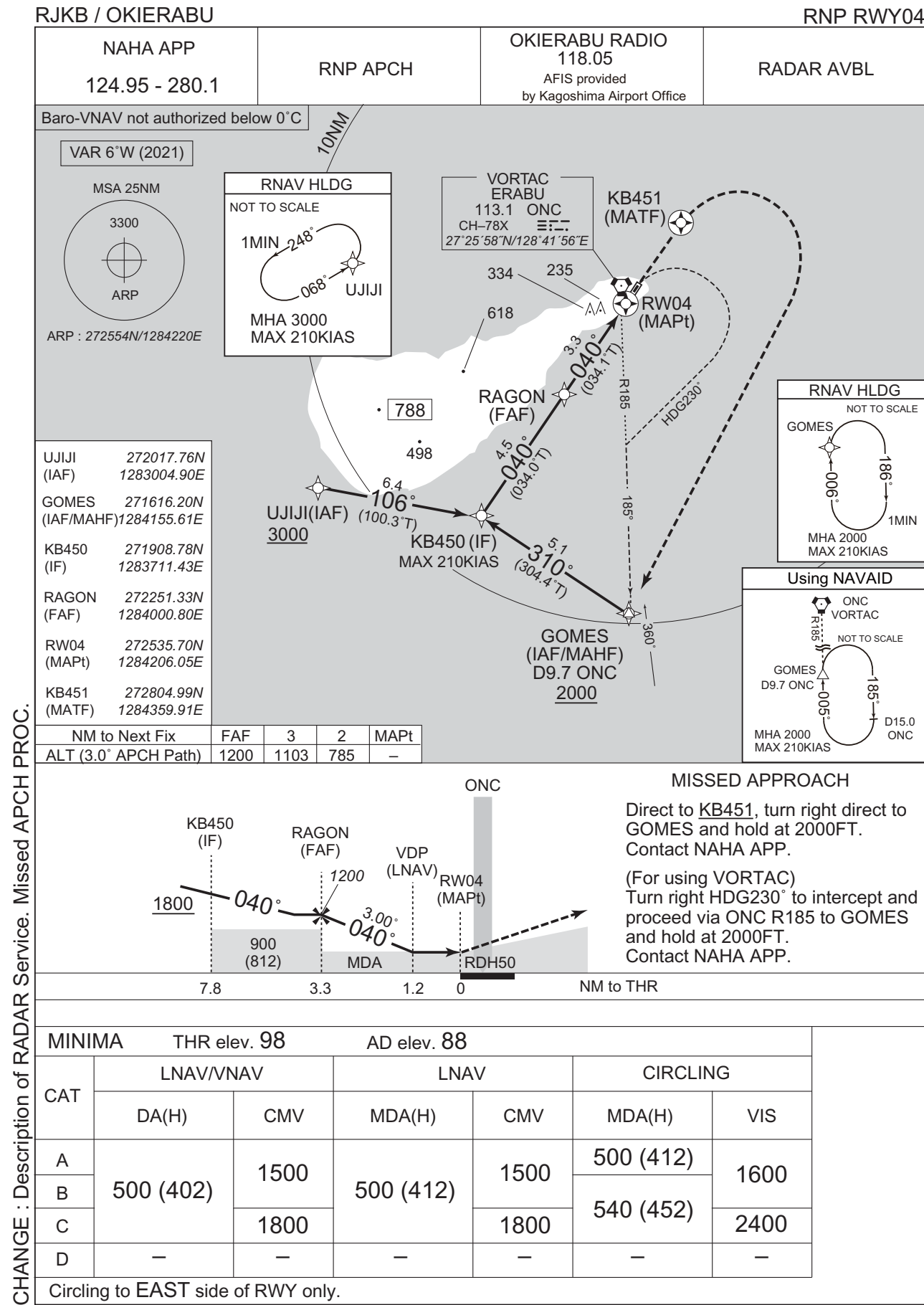
DME to ONC	NM to THR
5.0	4.7
1.3	1.0
0.4	0

MINIMA		THR elev. 98	AD elev. 88
CAT			CIRCLING
	MDA(H)	CMV	MDA(H) VIS
A	490 (402)	1500	500 (412) 1600
B	510 (422)		540 (452) 2400
C	540 (452)	2000	
D	—	—	—


Circling to EAST side of RWY only.

CHANGE : Description of RADAR Service. Missed APCH PROC.

INSTRUMENT APPROACH CHART

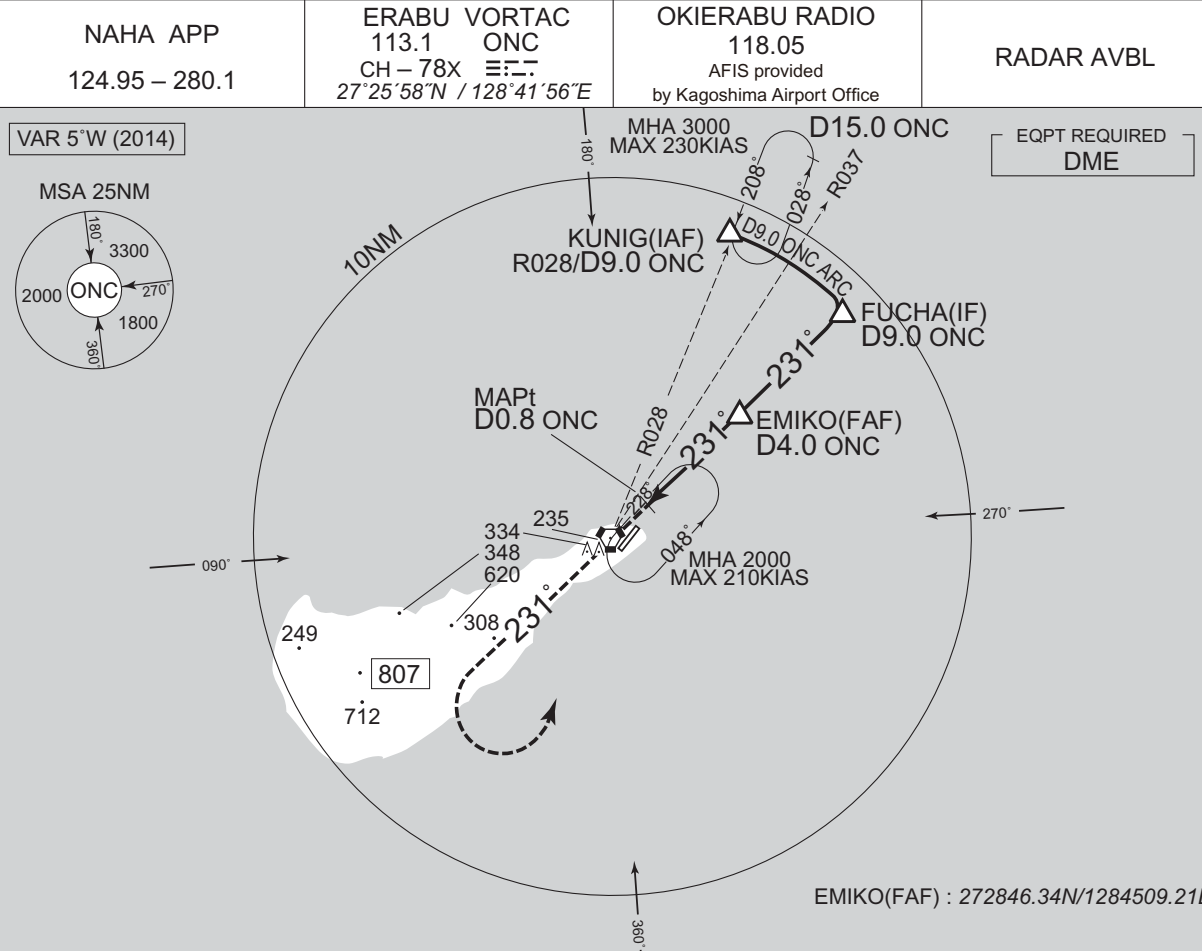


## RJKB / OKIERABU

<b>NAHA APP</b> 124.95 – 280.1	<b>ERABU VORTAC</b> 113.1 ONC CH – 78X  27°25'58"N / 128°41'56"E	<b>OKIERABU RADIO</b> 118.05 AFIS provided by Kagoshima Airport Office	<b>RADAR AVBL</b>
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VAR 5°W (2014)

EQPT REQUIRED  
**DME**



**MSA 25NM**

180° 3300  
270° 2000  
360° 1800

**10NM**

**090°**

**270°**

**360°**

**MHA 3000 MAX 230KIAS**

**D15.0 ONC**

**KUNIG(IAF) R028/D9.0 ONC**

**FUCHA(IF) D9.0 ONC**

**EMIKO(FAF) D4.0 ONC**

**MAPt D0.8 ONC**

**MHA 2000 MAX 210KIAS**

**048°**

**231°**

**235°**

**334°**

**348°**

**620°**

**308°**

**249°**

**807**

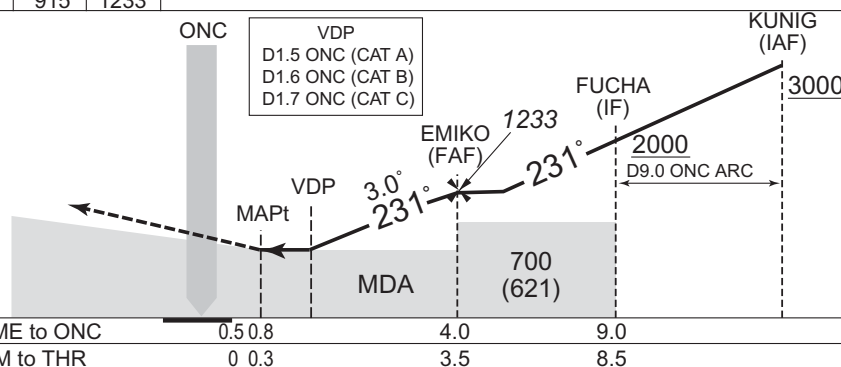
**712**

**EMIKO(FAF) : 272846.34N/1284509.21E**

NM to ONC	MAPt	2	3	FAF
ALT (3.0° APCH Path)	–	596	915	1233

**MISSED APPROACH**  
Climb via ONC R231 to 2000FT,  
turn left, direct to ONC VORTAC  
and hold.  
Contact NAHA APP.

Timing not authorized for defining the MAPt.



MINIMA		THR elev. 79	AD elev. 88	
CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	420 (341)	1500	500 (412)	1600
B	460 (381)		540 (452)	
C	490 (411)	1800		
D	—	—	—	—

Circling to **EAST** side of RWY only.

## RJKB / OKIERABU

RNP RWY22

CHANGE : Description of RADAR Service. Missed APCH PROC.

RJKB / OKIERABU

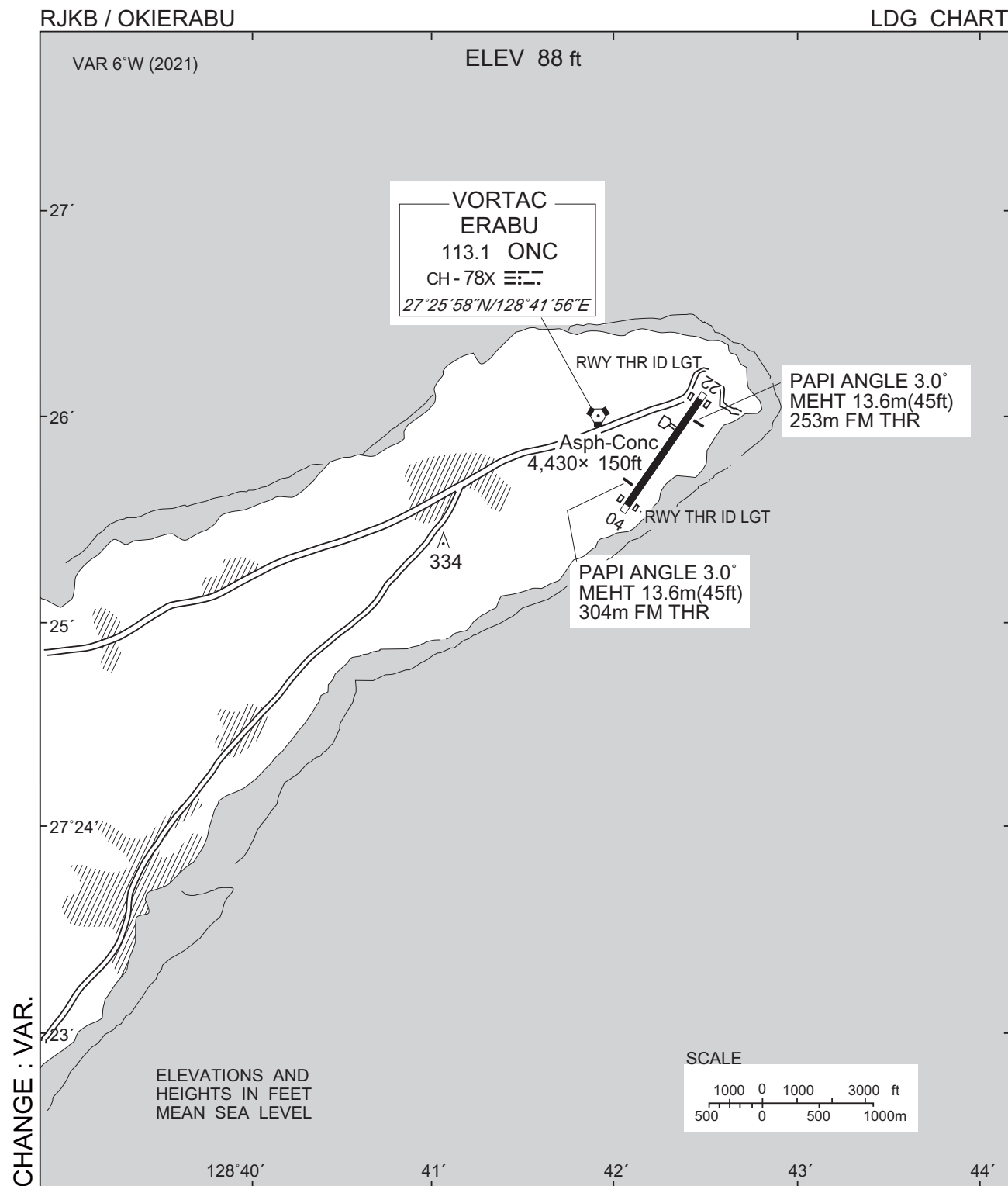
Visual REP



※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
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



RJKB / OKIERABU

Minimum Vectoring Altitude CHART

