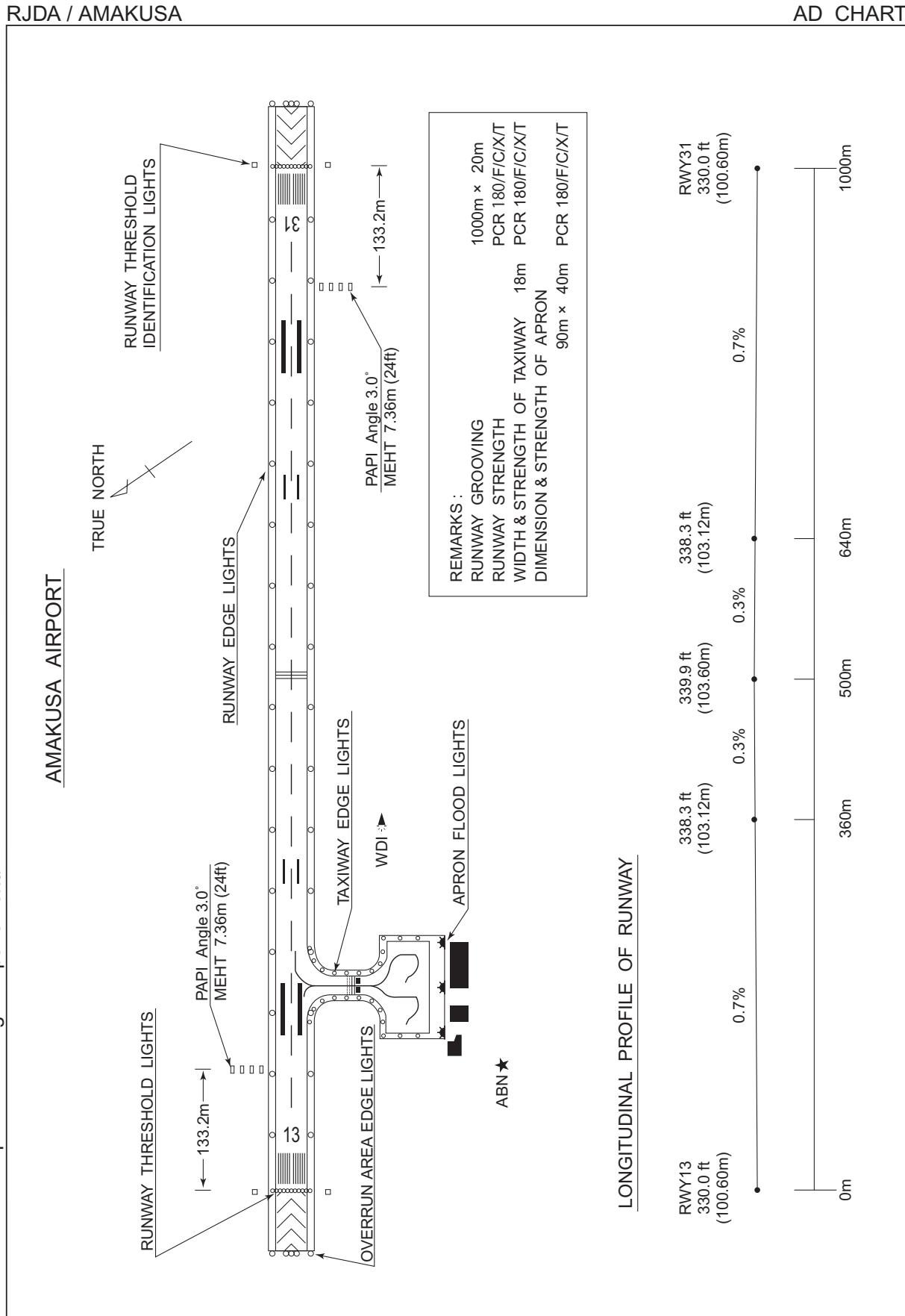


CHANGE : Description of strength of pavement.



STANDARD DEPARTURE CHART - INSTRUMENT

RJDA / AMAKUSA

SID

AMAKUSA REVERSAL THREE DEPARTURE

RWY13 : Climb RWY HDG to 800FT, turn left HDG051°...

RWY31 : Climb on HDG322° to 1100FT, turn right HDG141°...

... to intercept and proceed via AKE R096 to 4000FT, turn right, direct to AKE VOR/DME.

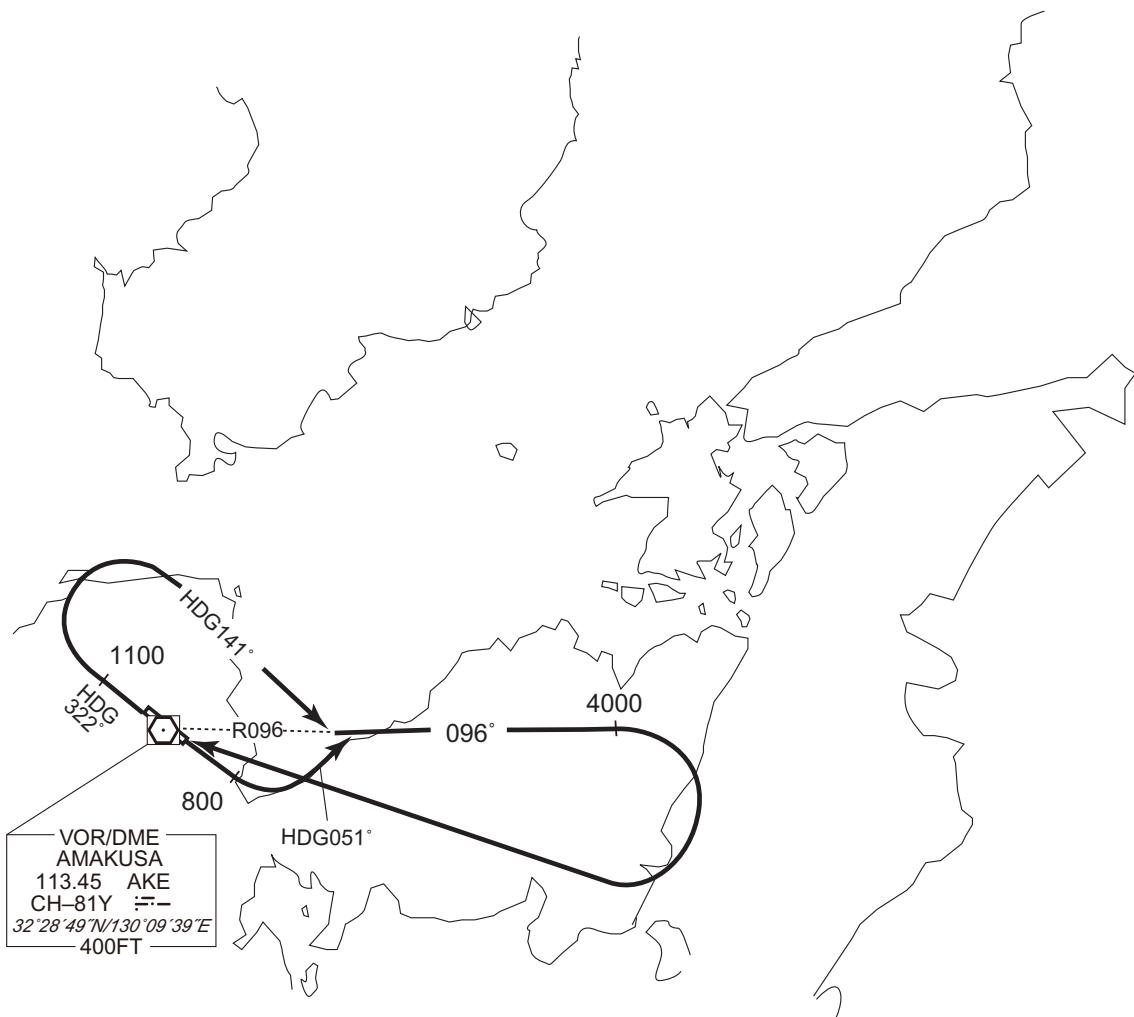
Note RWY13 : 5.0% climb gradient required up to 1200FT.

OBST ALT 1994FT located at 9.0NM 098° FM end of RWY13.

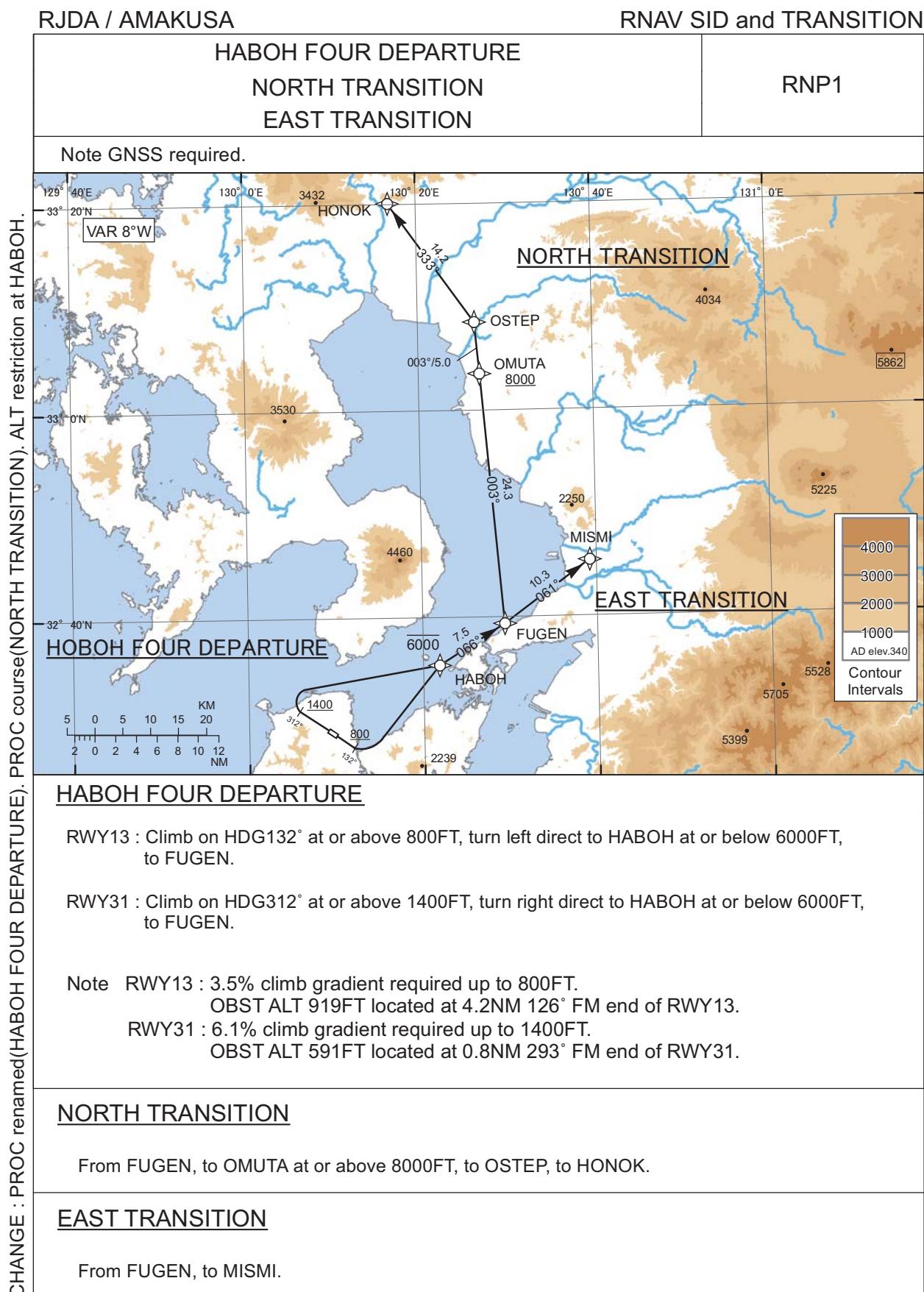
RWY31 : 6.0% climb gradient required up to 1100FT.

OBST ALT 591FT located at 0.8NM 294° FM end of RWY31.

CHANGE : Description of PROC name.



STANDARD DEPARTURE CHART - INSTRUMENT



STANDARD DEPARTURE CHART - INSTRUMENT

RJDA / AMAKUSA

RNAV SID and TRANSITION

HABOH FOUR 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	-	-	132 (124.7)	-7.7	-	-	+800	-	-	RNP1
002	DF	HABOH	-	-	-7.7	-	L	-6000	-	-	RNP1
003	TF	FUGEN	-	066 (058.0)	-7.7	7.5	-	-	-	-	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	-	-	312 (304.7)	-7.7	-	-	+1400	-	-	RNP1
002	DF	HABOH	-	-	-7.7	-	R	-6000	-	-	RNP1
003	TF	FUGEN	-	066 (058.0)	-7.7	7.5	-	-	-	-	RNP1

NORTH TRANSITION

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	FUGEN	-	-	-7.7	-	-	-	-	-	RNP1
002	TF	OMUTA	-	003 (355.2)	-7.7	24.3	-	+8000	-	-	RNP1
003	TF	OSTEP	-	003 (355.3)	-7.7	5.0	-	-	-	-	RNP1
004	TF	HONOK	-	333 (324.9)	-7.7	14.2	-	-	-	-	RNP1

EAST TRANSITION

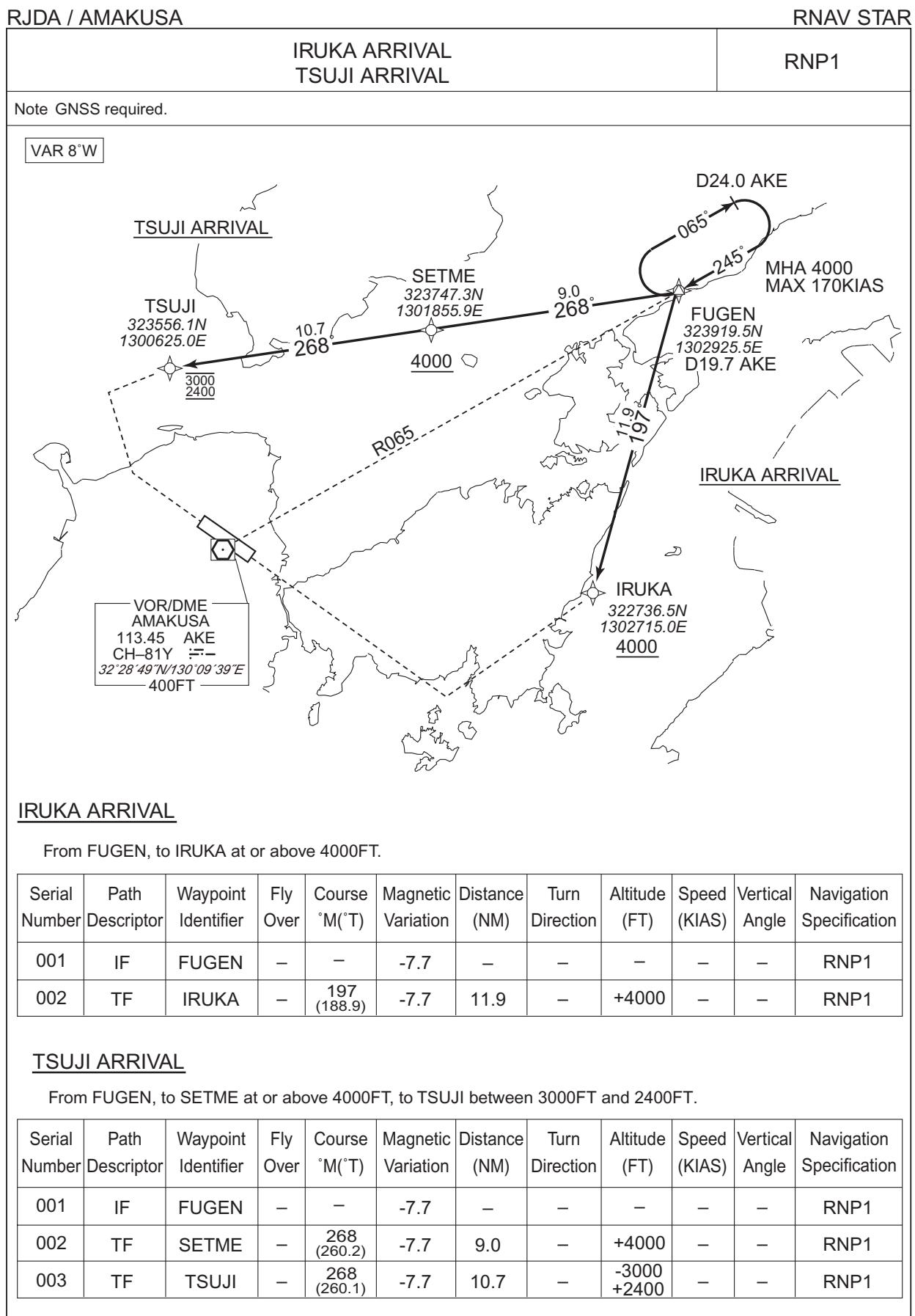
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	FUGEN	-	-	-7.7	-	-	-	-	-	RNP1
002	TF	MISMI	-	061 (053.7)	-7.7	10.3	-	-	-	-	RNP1

Waypoint Coordinates

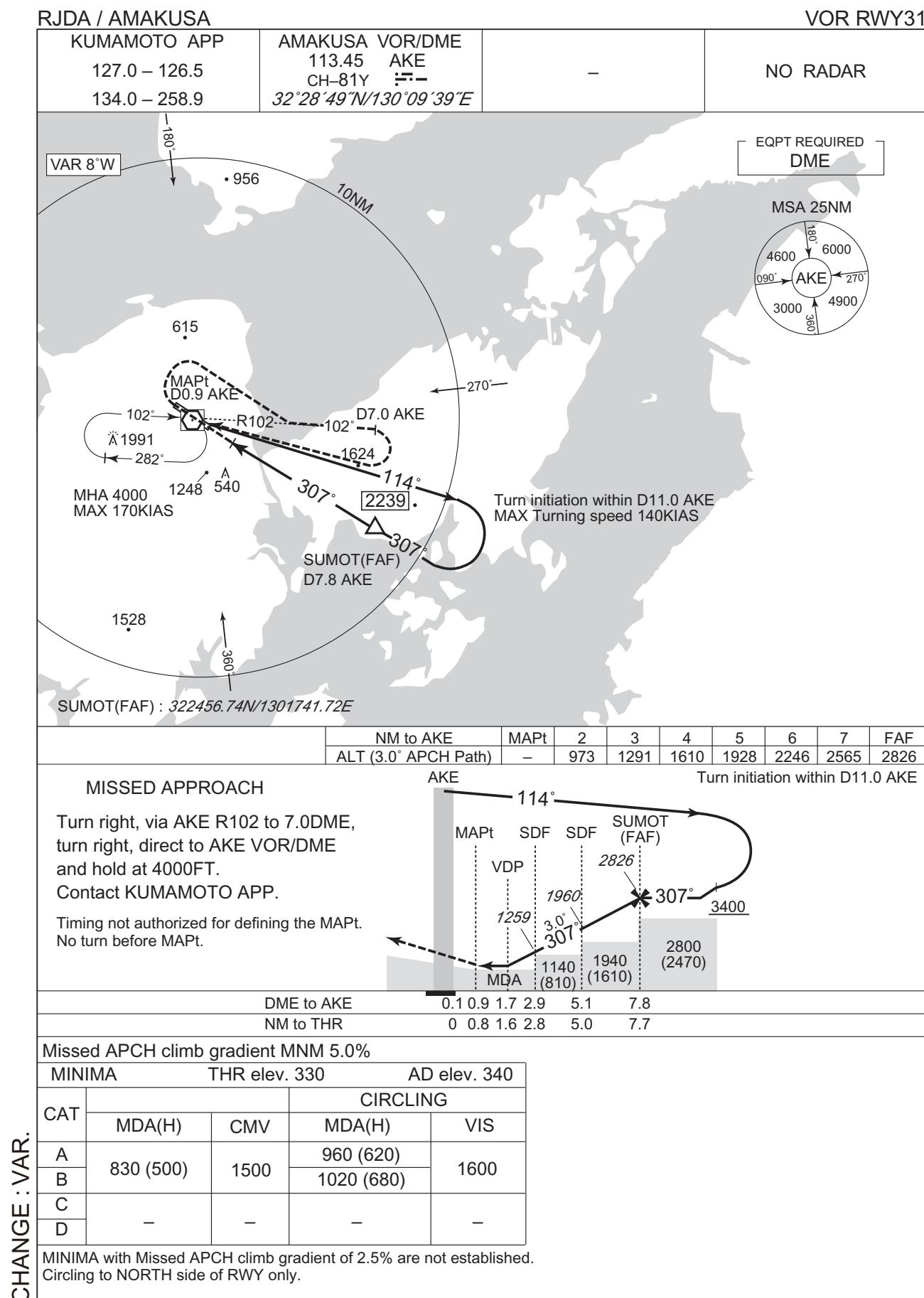
Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
HABOH	323521.5N / 1302152.9E	OMUTA	330332.2N / 1302701.4E
FUGEN	323919.5N / 1302925.5E	OSTEP	330831.8N / 1302632.1E
MISMI	324524.1N / 1303916.7E	HONOK	332006.3N / 1301647.8E

CHANGE : PROC renamed. ALT restriction at HABOH. PROC course(OSTEP, HONOK). Waypoint Coordinates added.

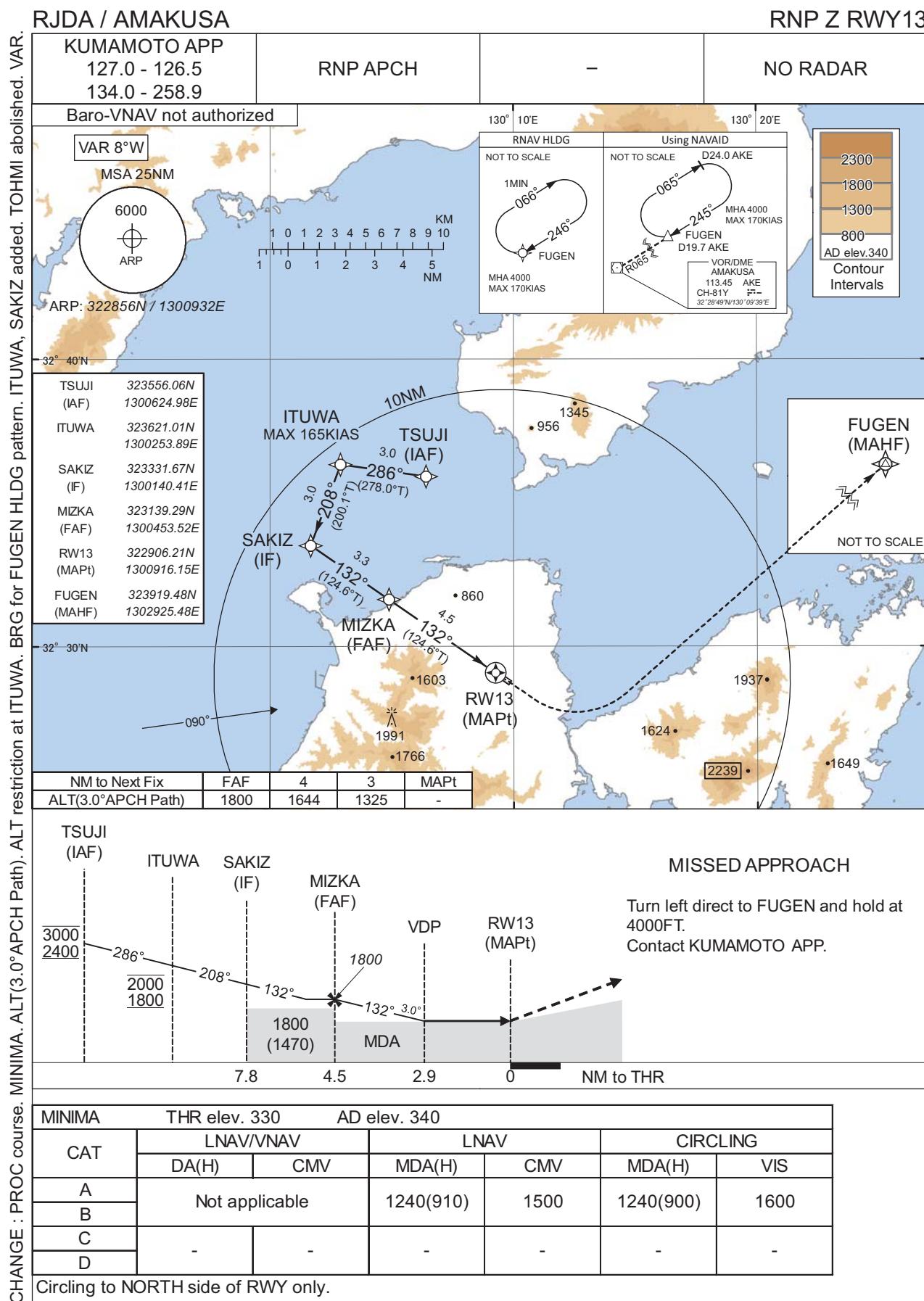
STANDARD ARRIVAL CHART - INSTRUMENT



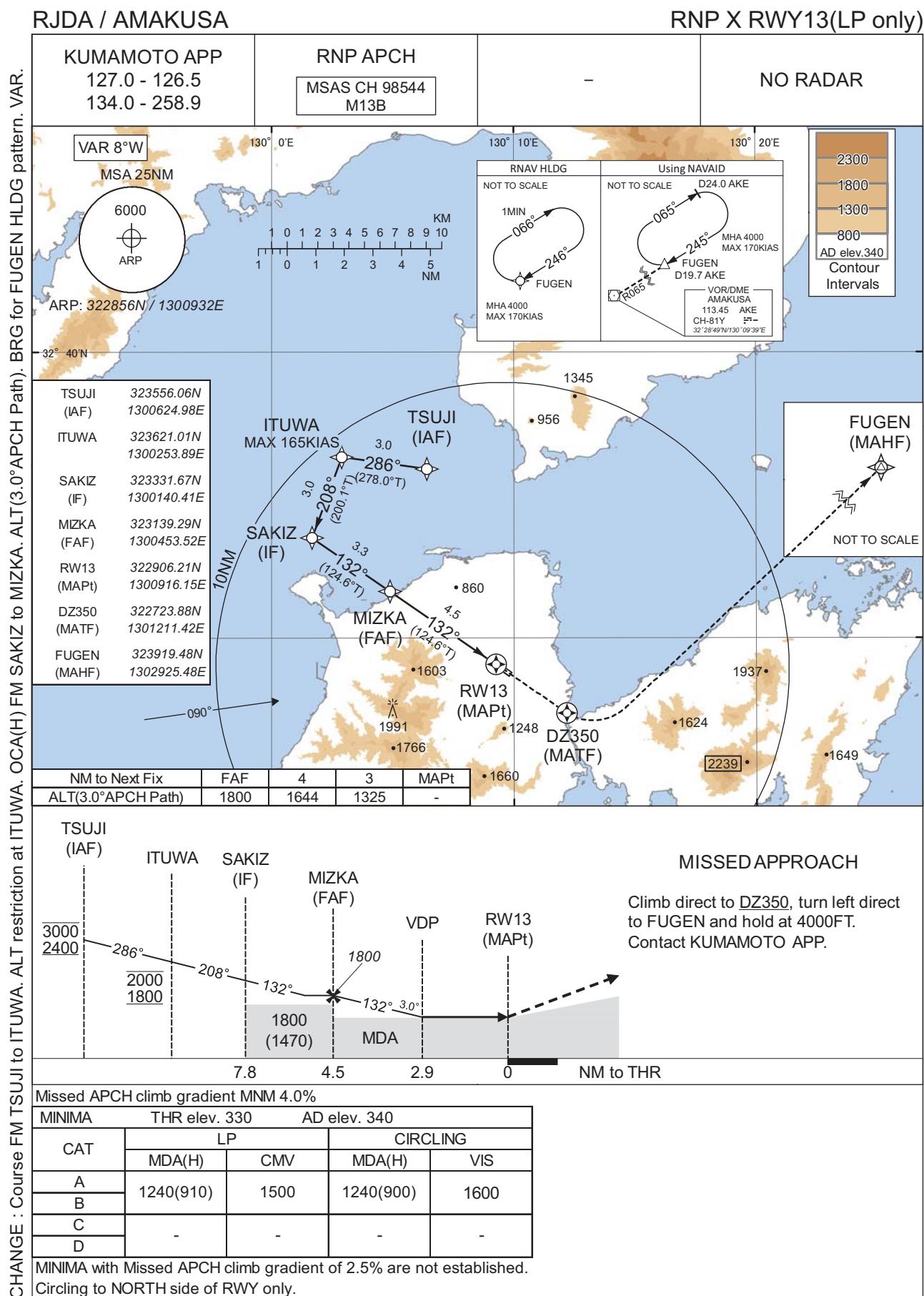
INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJDA / AMAKUSA

RNP X RWY13(LP only)

FAS DATA BLOCK

Operation type	0	LTP/FTP ellipsoidal height	+01335
SBAS service provider identifier	2	FPAP latitude	322834.9695N
Airport identifier	RJDA	FPAP longitude	1301009.6325E
Runway	13	Threshold crossing height	00012.2
Approach performance designator	0	TCH units selector	1
Route indicator	X	Glide path angle	03.00
Reference path data selector	0	Course width at threshold	105.00
Reference path ID	M13B	△ length offset	0696
LTP/FTP latitude	322906.1830N	HAL	40.0
LTP/FTP longitude	1300916.1515E	VAL	0.0
CRC remainder	F4E11814		

Required additional data

LTP/FTP orthometric height	100.8
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CHANGE : Description of PROC name.

INSTRUMENT APPROACH CHART

RJDA / AMAKUSA

RNP Z RWY31

KUMAMOTO APP
127.0 - 126.5
134.0 - 258.9

RNP APCH

NO RADAR

Baro-VNAV not authorized below -10°C

VAR 8°W
MSA 25NM
6000 ARP
ARP: 322856N / 1300932E

130° 10°E 20°E 30°E

1345 1302 (IAF/MAHF)

2300 1800 1300 800
AD elev.340
Contour Intervals

RNAV HDG
NOT TO SCALE
IRUKA 282° 102° 1MIN
MHA 4000 MAX 170KIAS

Using NAVAID
NOT TO SCALE
IRUKA D14.9 AKE 282°
VOR/DME AMAKUSA 113.45 AKE 102°
CH-81Y 32° 28'49"N / 130° 09'39"E MHA 4000 MAX 170KIAS

Waypoints and Coordinates

IRUKA (IAF/MAHF)	322736.48N 1302715.00E
DATEK (IF)	322256.04N 1301949.13E
GOSKI (FAF)	322448.78N 1301636.64E
DZ150	322653.19N 1301303.94E
DZ151 (MAPt)	322835.54N 1301008.71E

Missed Approach

Turn right direct to IRUKA and hold at 4000FT.
Contact KUMAMOTO APP.

VDP 1.0NM to MAPt

DATEK (IF)
IRUKA (IAF)

DZ150 (LNAV)
DZ151 (MAPt)

VDP (LNAV)
MDA 3.0°
1439 1210 (880)
2600 2600 (2270)

RDH 40

NM to THR 0.4 3.4 7.0 10.3

4000

Missed APCH climb gradient MNM 5.0%

MINIMA		THR elev. 330	AD elev. 340			
CAT	LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	CMV	MDA(H)	CMV	MDA(H)	VIS
A	750(420)	1500	750(420)	1500	960(620)	1600
B					1020(680)	
C	-	-	-	-	-	-
D						

MINIMA with Missed APCH climb gradient of 2.5% are not established.

Circling to NORTH side of RWY only.

INSTRUMENT APPROACH CHART

RJDA / AMAKUSA

RNP X RWY31(LP only)

KUMAMOTO APP
127.0 - 126.5
134.0 - 258.9

RNP APCH
MSAS CH 90608
M31B

NO RADAR

VAR 8°W 130° 0°E

MSA 25NM
6000 ARP

ARP: 322856N / 1300932E

130° 10°E 20°E 30°E

956 1345 1937 1649 1624 1660 1766 1991 1603 860 2239 233 241 1.0 1.0 1.0 2.0 3.0 4.0 5.0 6.0 7.0 8.0 9.0 10.0

2300
1800
1300
800
AD elev. 340
Contour Intervals

RNAV HLDG
NOT TO SCALE
IRUKA 282° 1MIN

Using NAVAID
NOT TO SCALE
IRUKA D14.9 AKE R102 282° 102° D19.0 AKE VOR/DME AMAKUSA 113.45 AKE CH-81Y 32° 28' 49" N / 130° 09' 39" E MHA 4000 MAX 170KIAS

IRUKA (IAF/MAHF) 322736.48N 1302715.00E
DATEK (IF) 322256.04N 1301949.13E
GOSKI (FAF) 322448.78N 1301636.64E
DZ150 322653.19N 1301303.94E
DZ152 322817.10N 1301040.29E
DZ153 323106.88N 1300549.18E

10NM

NM to Next Fix MAPt 1 2 3 4 5 6 FAF

ALT(3.0°APCH Path) 975 1294 1612 1930 2249 2567 2600

MISSSED APPROACH

VDP 0.3NM to MAPt

DZ153 (MATF) DZ152 (MAPt) DZ150 GOSKI (FAF) DATEK (IF) IRUKA (IAF)

4000 241° 312° 2600 312° 2600 (2270)

MDA 1439 312° 1360 (1030)

MDA(H) 3.0°

NM to THR 0.9 3.4 7.0 10.3

Missed APCH climb gradient MNM 5.0%

MINIMA		THR elev. 330	AD elev. 340	
CAT	LP		CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	700(370)	1500	960(620)	1600
B			1020(680)	
C	-	-	-	-
D	-	-	-	-

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

CHANGE : VAR.

INSTRUMENT APPROACH CHART

RJDA / AMAKUSA

RNP X RWY31(LP only)

FAS DATA BLOCK

Operation type	0	LTP/FTP ellipsoidal height	+01335
SBAS service provider identifier	2	FPAP latitude	322918.9855N
Airport identifier	RJDA	FPAP longitude	1300854.2095E
Runway	31	Threshold crossing height	00012.2
Approach performance designator	0	TCH units selector	1
Route indicator	X	Glide path angle	03.00
Reference path data selector	0	Course width at threshold	105.00
Reference path ID	M31B	△ length offset	0696
LTP/FTP latitude	322847.7745N	HAL	40.0
LTP/FTP longitude	1300947.6955E	VAL	0.0
CRC remainder	1980097D		

Required additional data

LTP/FTP orthometric height	100.8
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CHANGE : Description of PROC name.

RJDA / AMAKUSA

Visual REP



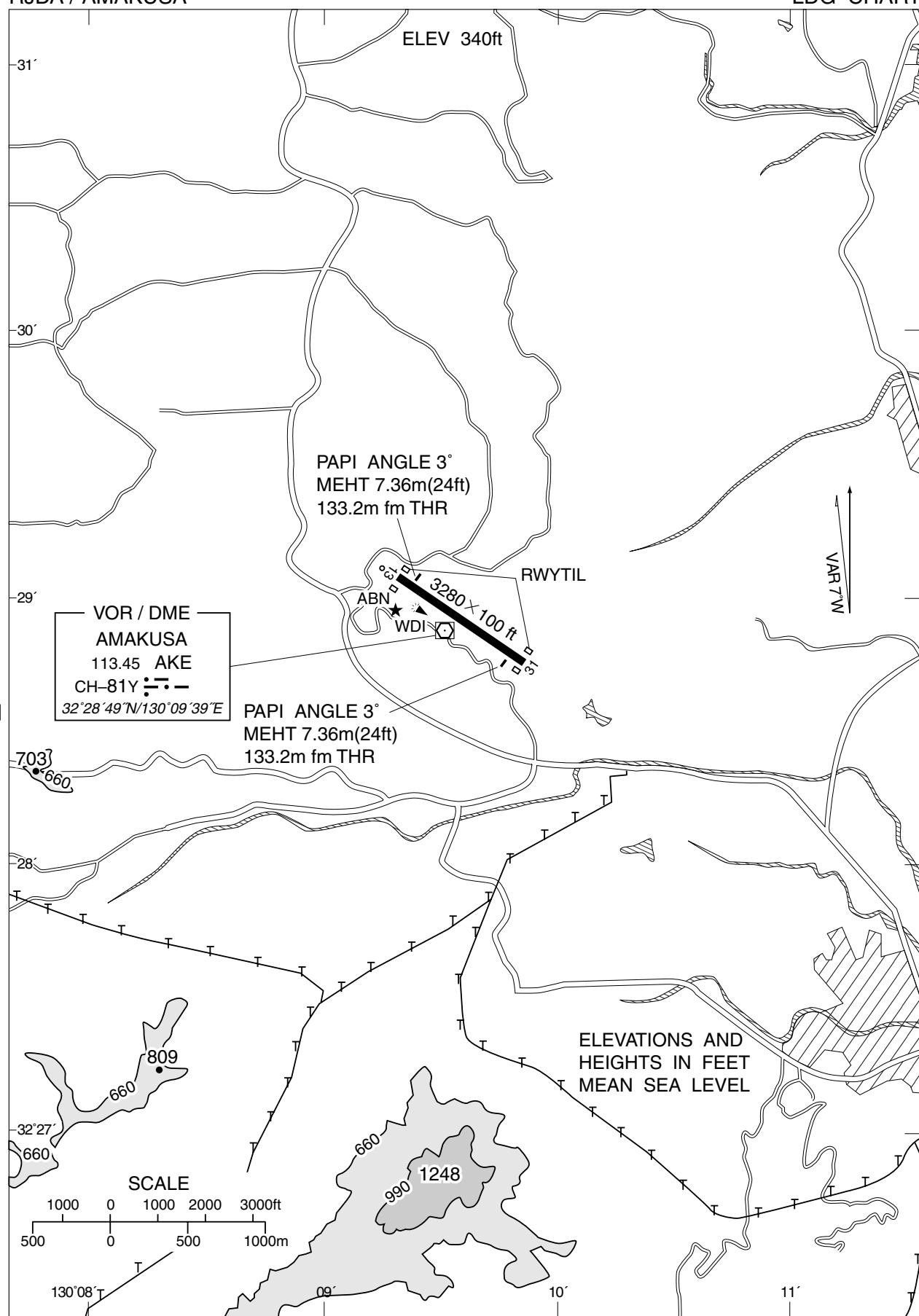
※図中に標高を示す数字がある場合、単位はメートル(m)である。The unit of measurement used to express elevation is meter(m).

CHANGE : Map updated. BRG/DIST from ARP.

Call sign	BRG / DIST from ARP	Remarks
口之津 Kuchinotsu	013°T / 7.7NM	港 Port
湯島 Yushima	051°T / 11.6NM	島 Island
通詞島 Tsujishima	331°T / 4.7NM	島 Island
富岡 Tomioka	294°T / 7.6NM	岬 Cape
島子 Shimago	094°T / 4.9NM	漁港 Port
横島 Yokoshima	150°T / 7.6NM	島 Island

RJDA / AMAKUSA

LDG CHART



RJDA / AMAKUSA

Minimum Vectoring Altitude CHART

