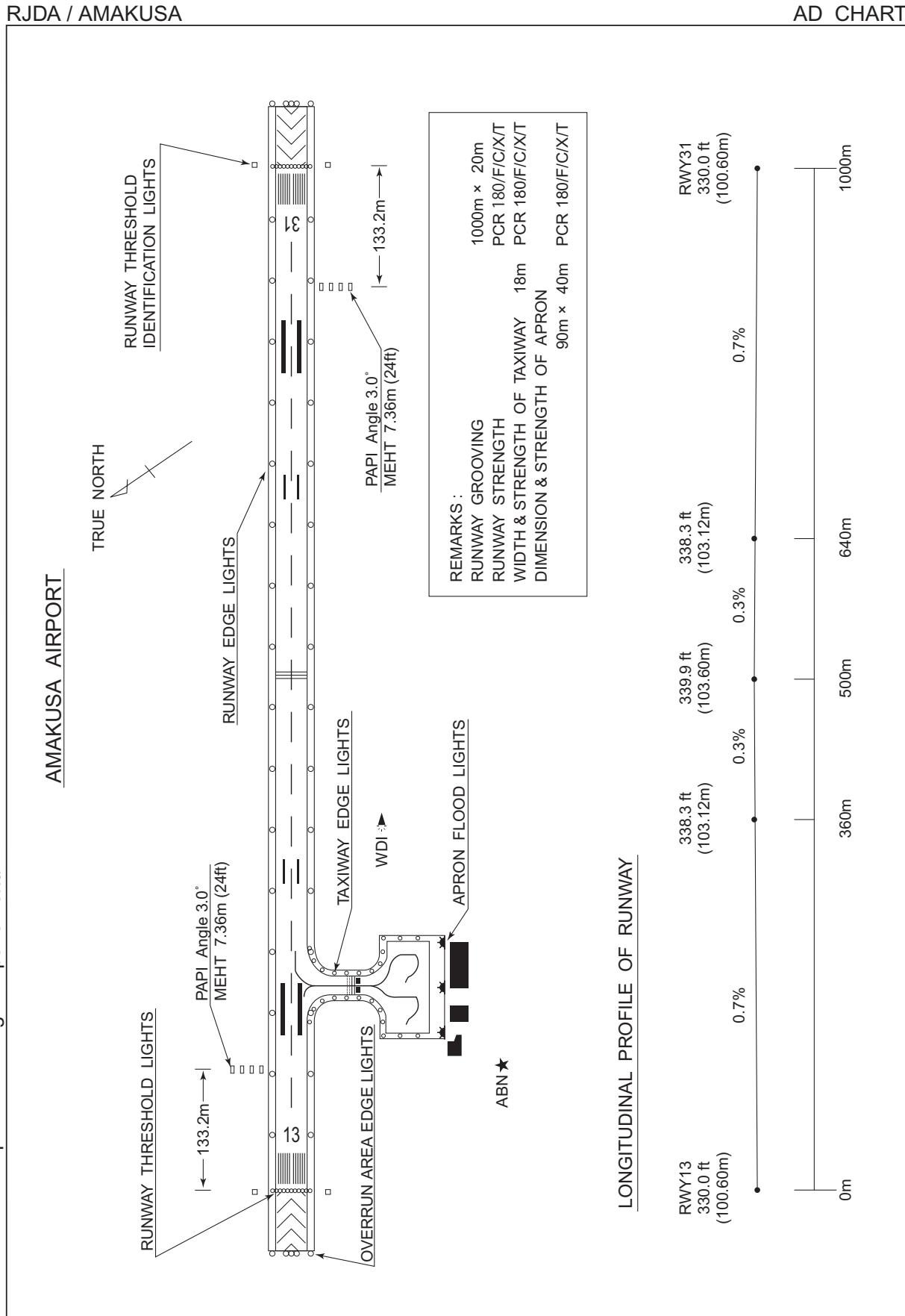


CHANGE : Description of strength of pavement.



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.

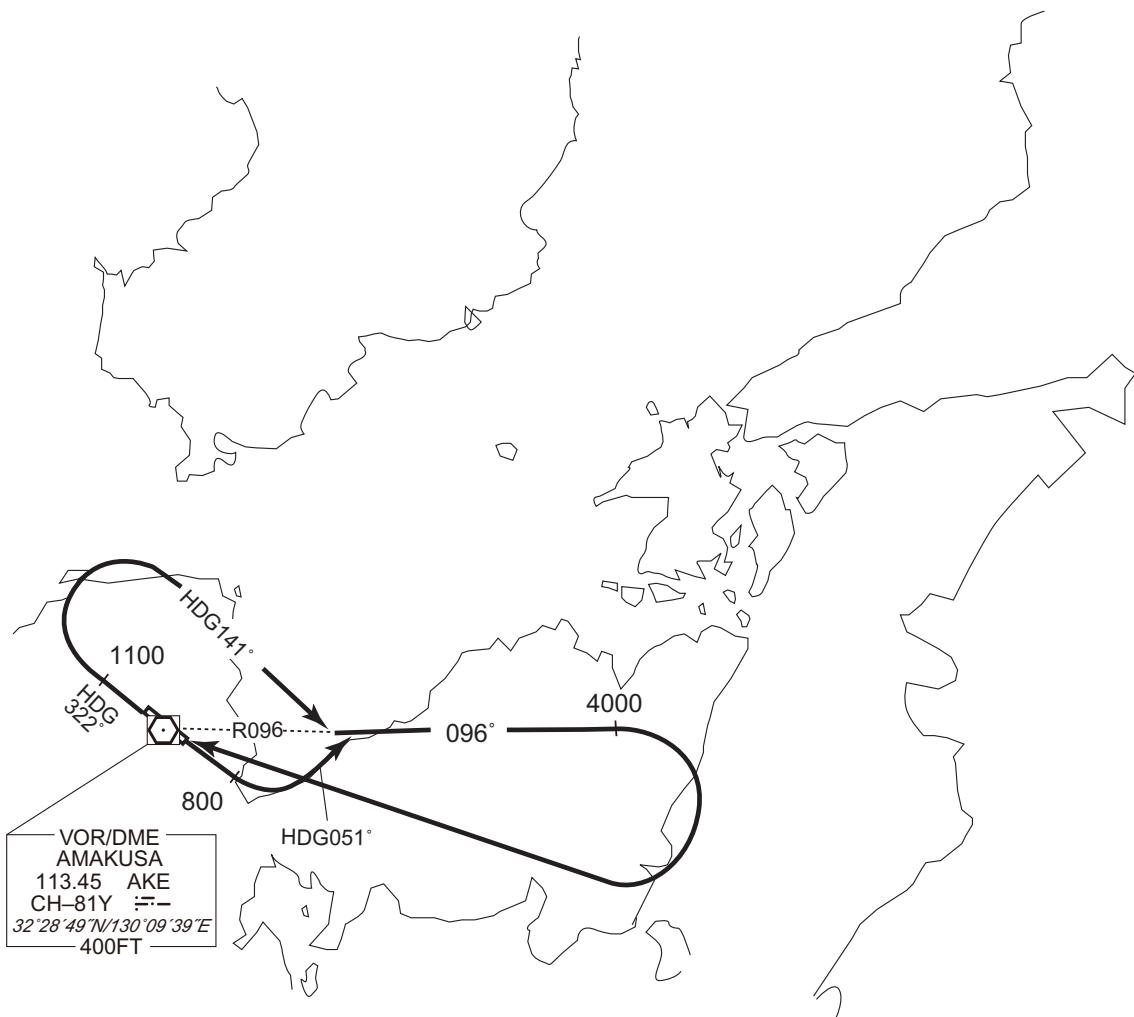
Note RWY13 : 5.0% climb gradient required up to 1200FT.

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

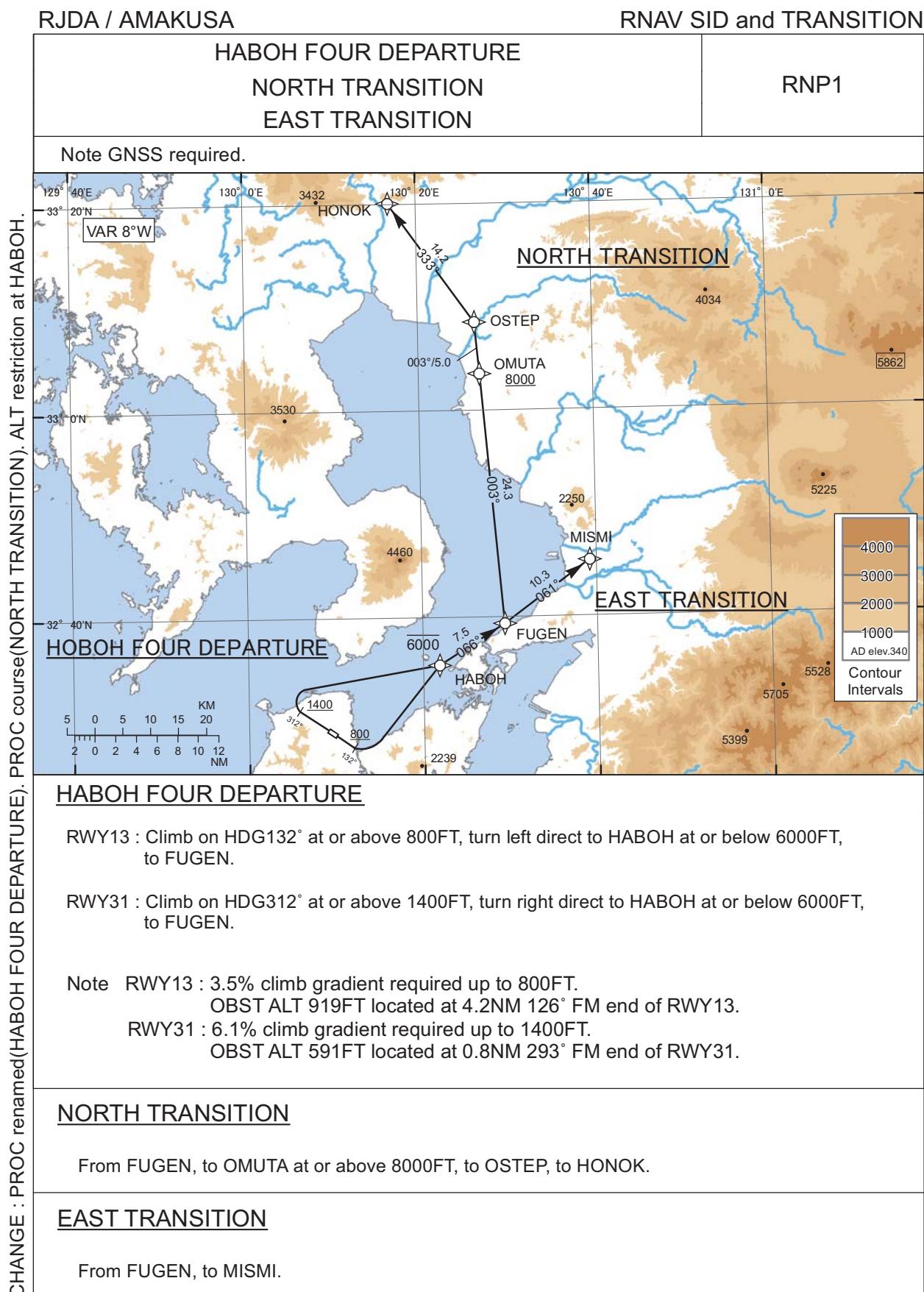
RWY31 : 6.0% climb gradient required up to 1100FT.

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

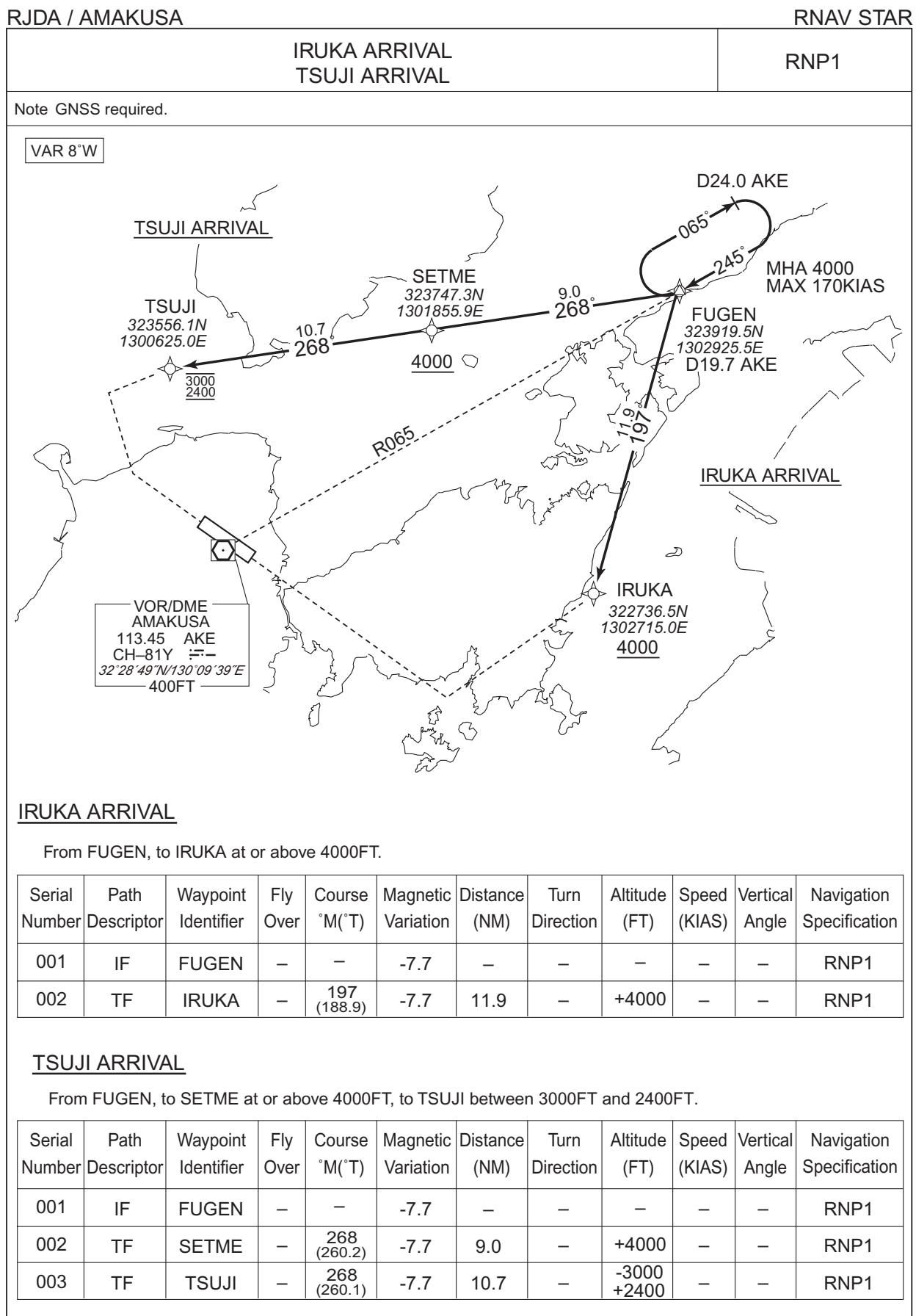
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	FUGEN	-	-	-7.7	-	-	-	-	-	RNP1
002	TF	MISMI	-	061 (053.7)	-7.7	10.3	-	-	-	-	RNP1

Waypoint Coordinates

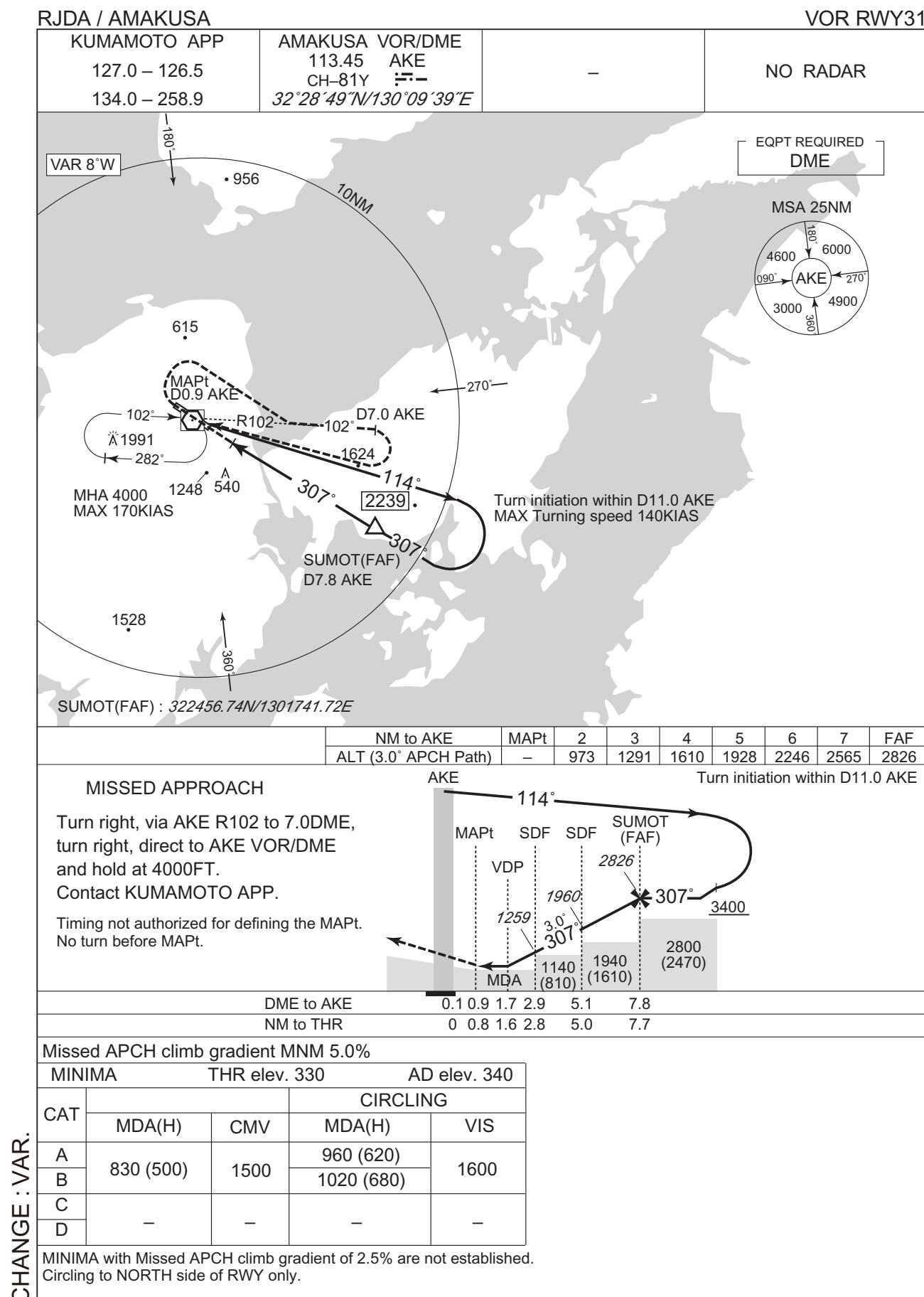
Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
HABOH	323521.5N / 1302152.9E	OMUTA	330332.2N / 1302701.4E
FUGEN	323919.5N / 1302925.5E	OSTEP	330831.8N / 1302632.1E
MISMI	324524.1N / 1303916.7E	HONOK	332006.3N / 1301647.8E

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

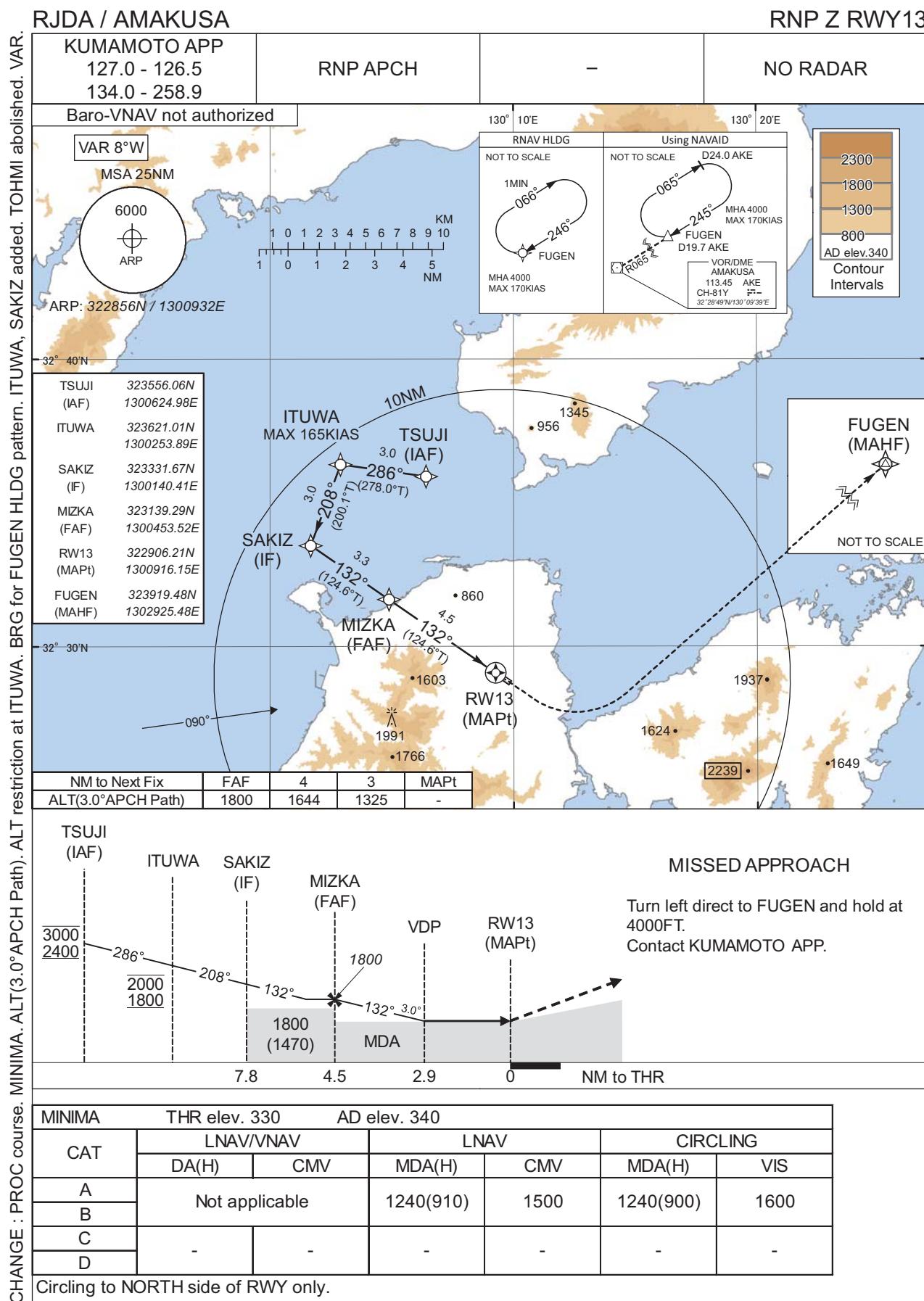
STANDARD ARRIVAL CHART - INSTRUMENT



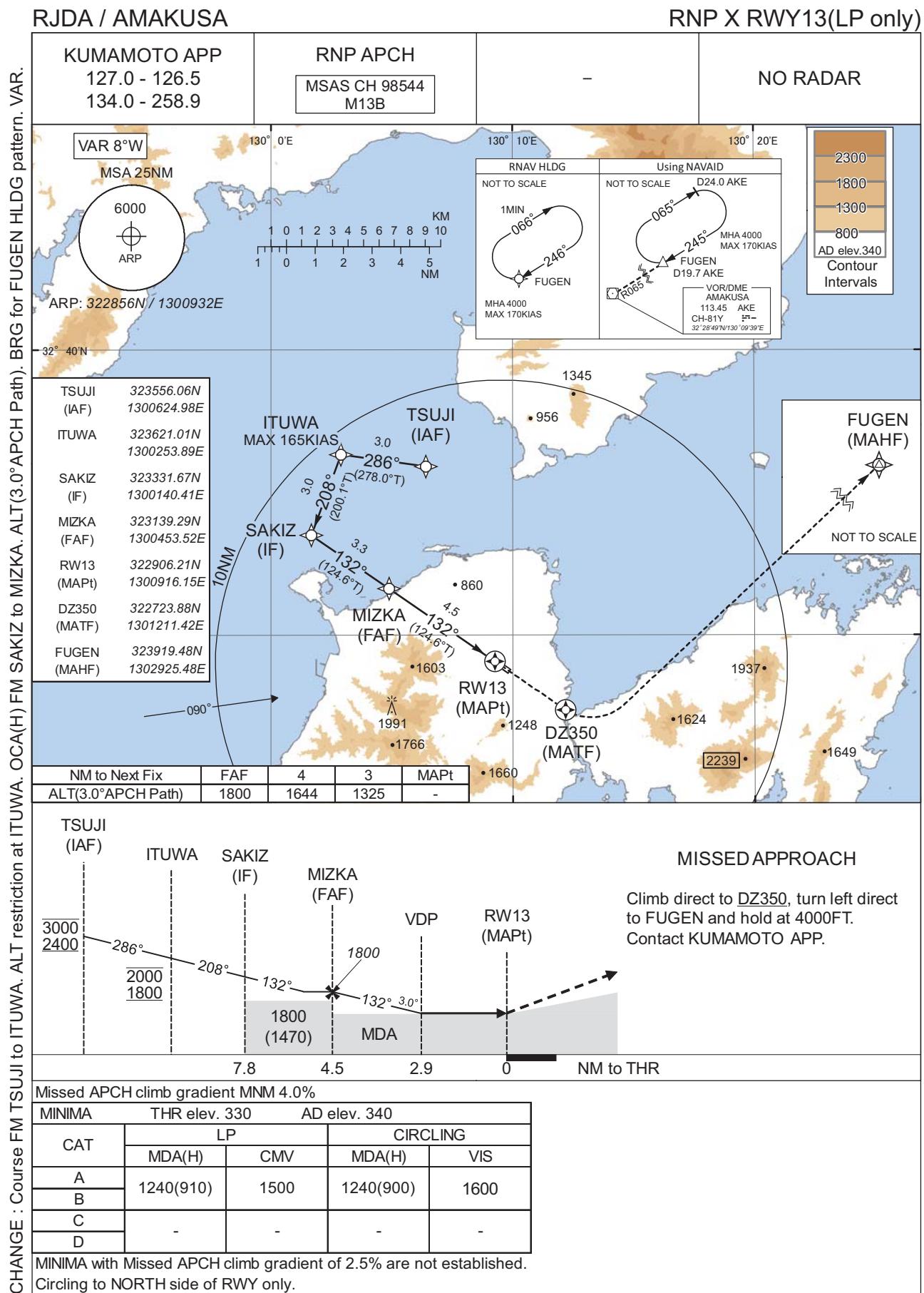
INSTRUMENT APPROACH CHART



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

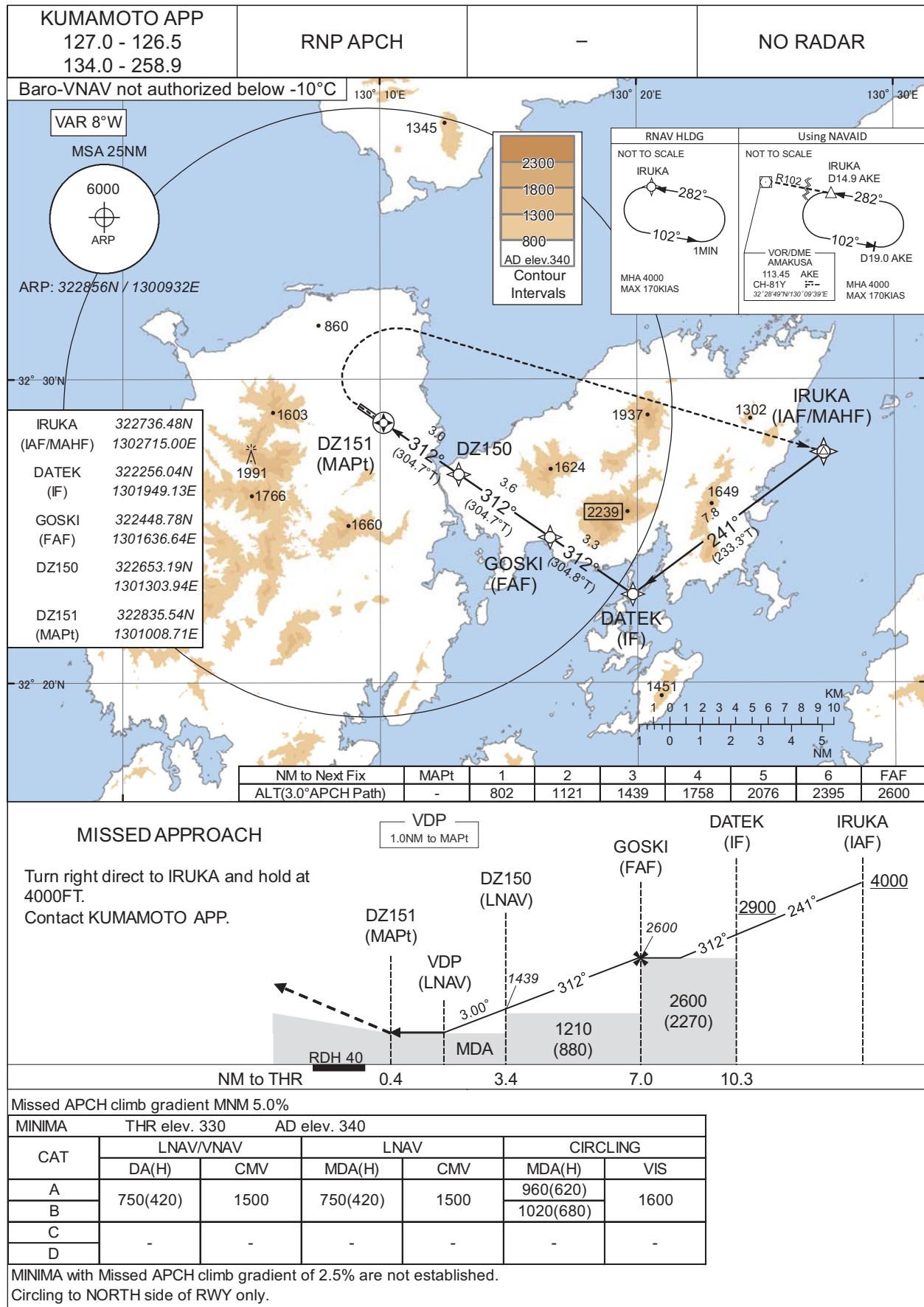
LTP/FTP orthometric height	100.8
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CHANGE : Description of PROC name.

INSTRUMENT APPROACH CHART

RJDA / AMAKUSA

RNP Z RWY31



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 1930 1612 1294 975

AD elev. 340
Contour Intervals

RNAV HLDG
NOT TO SCALE
IRUKA 282° 102° 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) DATEK (IF) GOSKI (FAF) DATEK (IF) IRUKA (IAF/MAHF)

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

10NM

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

ALT(3.0°APCH Path)

1 0 1 2 3 4 5 6 7 8 9 10

1 0 1 2 3 4 5 6 7 8 9 10

MISSSED APPROACH

VDP 0.3NM to MAPt

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

4000 241° 3100 2600 312° 2600 (2270) 1439 312° 1360 (1030) MDA

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

