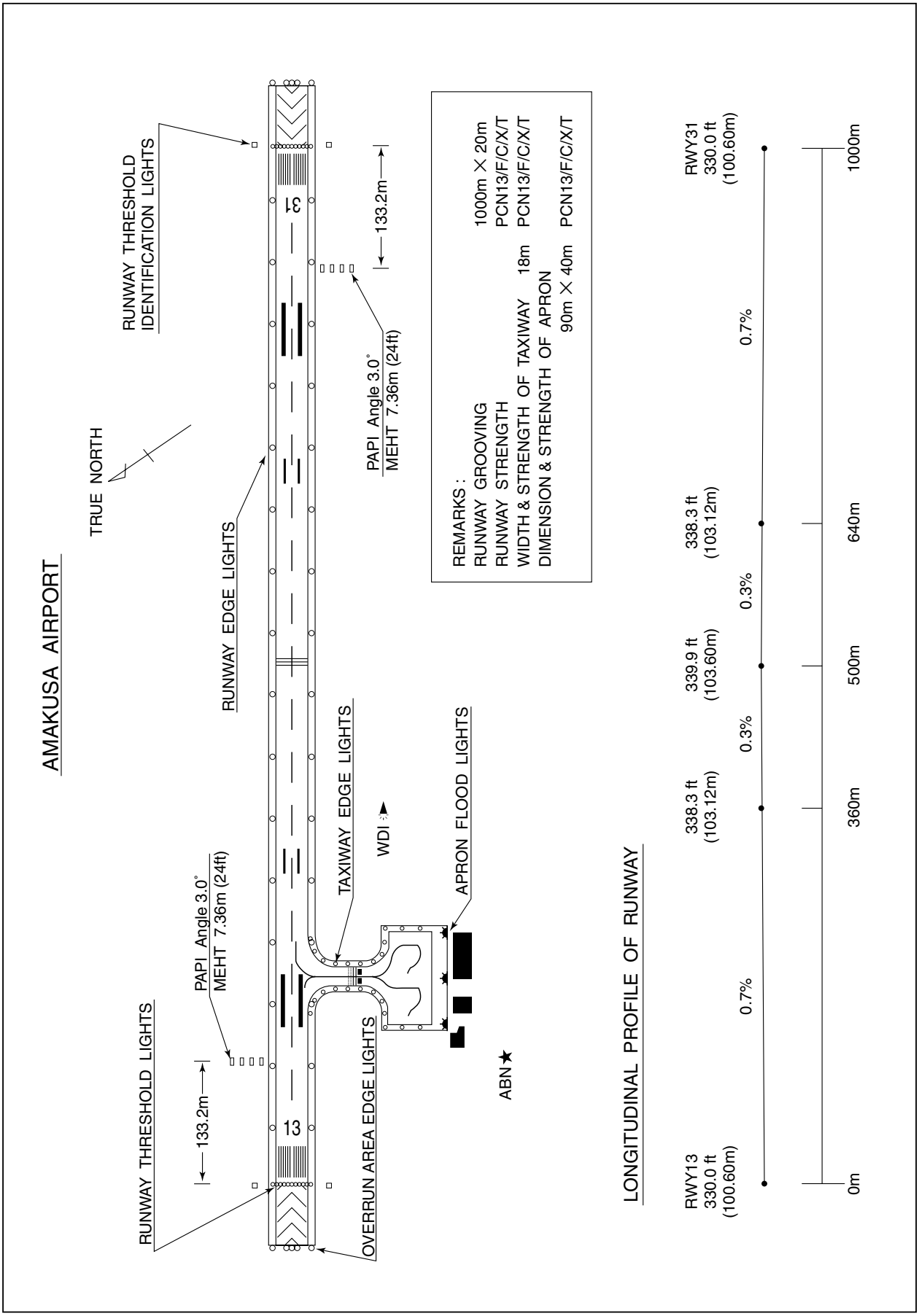
RJDA / AMAKUSA AD CHART



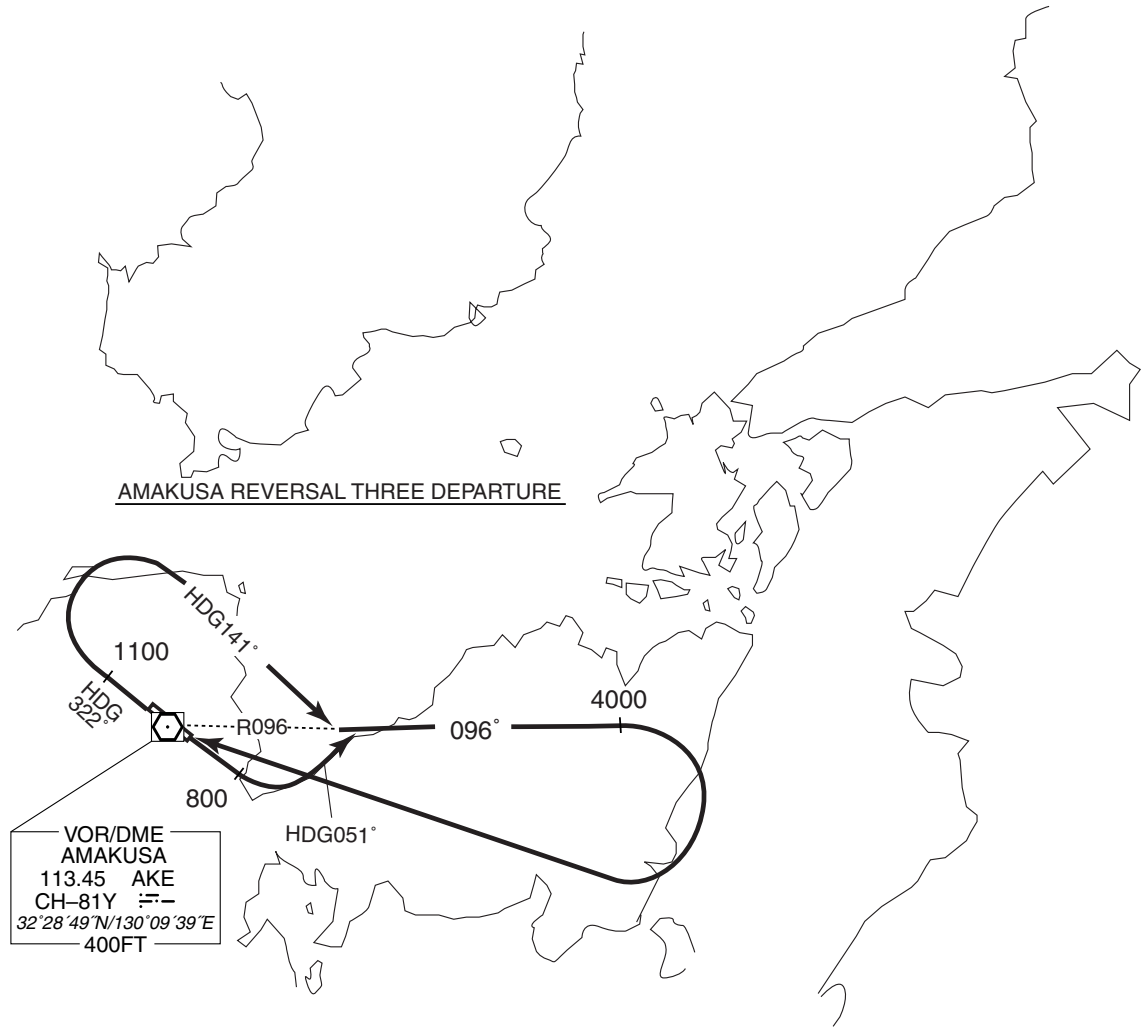
STANDARD DEPARTURE CHART - INSTRUMENT

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.

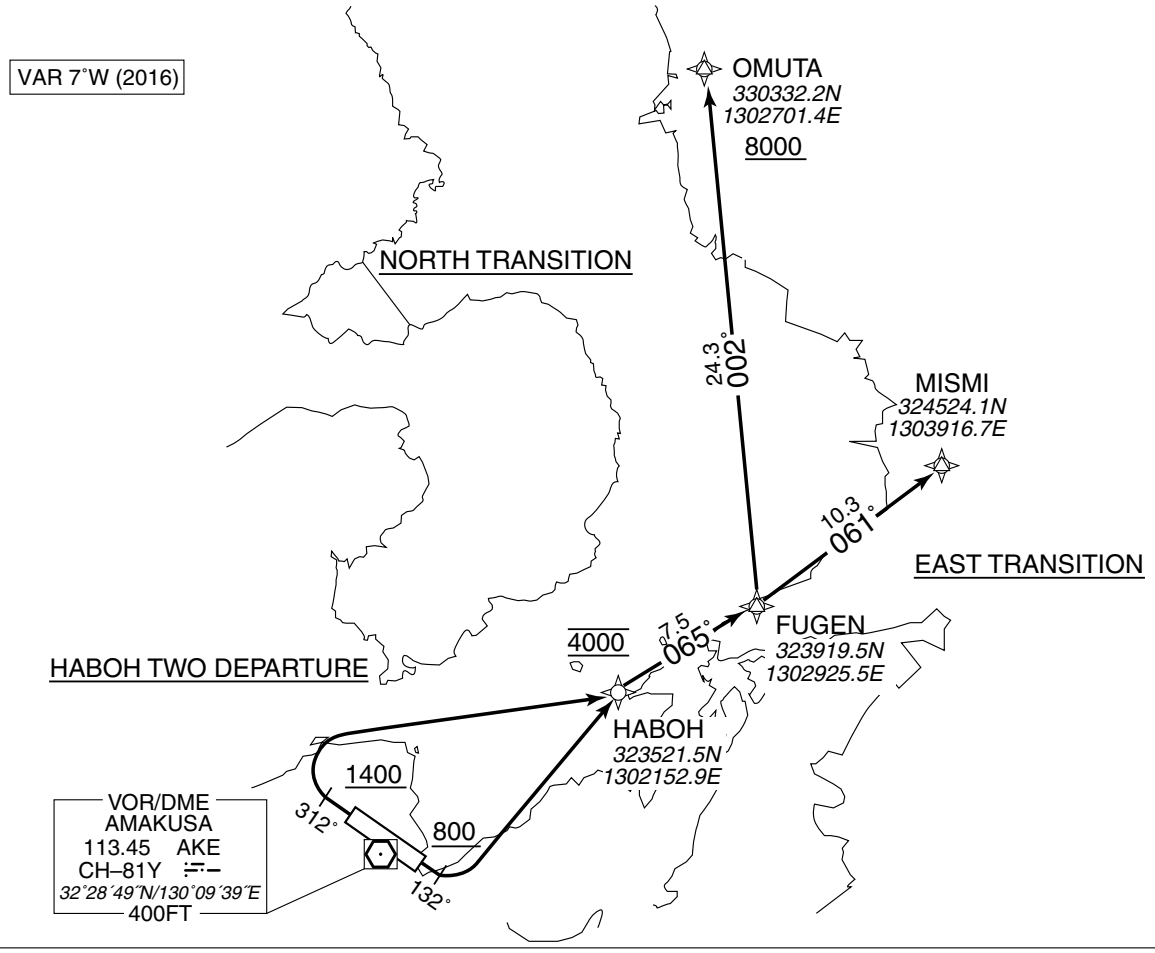


STANDARD DEPARTURE CHART - INSTRUMENT

RJDA / AMAKUSA — RNAV SID and TRANSITION

HABOH TWO DEPARTURE NORTH TRANSITION EAST TRANSITION	Basic RNP1

Note GNSS required.



HABOH TWO DEPARTURE

RWY13 : Climb on HDG132˚ at or above 800FT, turn left direct to HABOH at 4000FT, to FUGEN.

RWY31 : Climb on HDG312˚ at or above 1400FT, turn right direct to HABOH at 4000FT, to FUGEN.

Note RWY13 : 3.5% climb gradient required up to 800FT.
OBST ALT 919FT located at 4.2NM 125˚ FM end of RWY13.

RWY31 : 6.1% climb gradient required up to 1400FT.
OBST ALT 591FT located at 0.8NM 292˚ FM end of RWY31.

NORTH TRANSITION

From FUGEN, to OMUTA at or above 8000FT.

EAST TRANSITION

From FUGEN, to MISMI.

STANDARD DEPARTURE CHART - INSTRUMENT

RJDA / AMAKUSA — RNAV SID and TRANSITION

HABOH 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	–	–	132 (124.7)	-7.0	–	–	+800	–	–	Basic RNP1
002	DF	HABOH	–	–	-7.0	–	L	4000	–	–	Basic RNP1
003	TF	FUGEN	–	065 (058.0)	-7.0	7.5	–	–	–	–	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	–	–	312 (304.7)	-7.0	–	–	+1400	–	–	Basic RNP1
002	DF	HABOH	–	–	-7.0	–	R	4000	–	–	Basic RNP1
003	TF	FUGEN	–	065 (058.0)	-7.0	7.5	–	–	–	–	Basic 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	–	–	-7.0	–	–	–	–	–	Basic RNP1
002	TF	OMUTA	–	002 (355.2)	-7.0	24.3	–	+8000	–	–	Basic RNP1

EAST TRANSITION

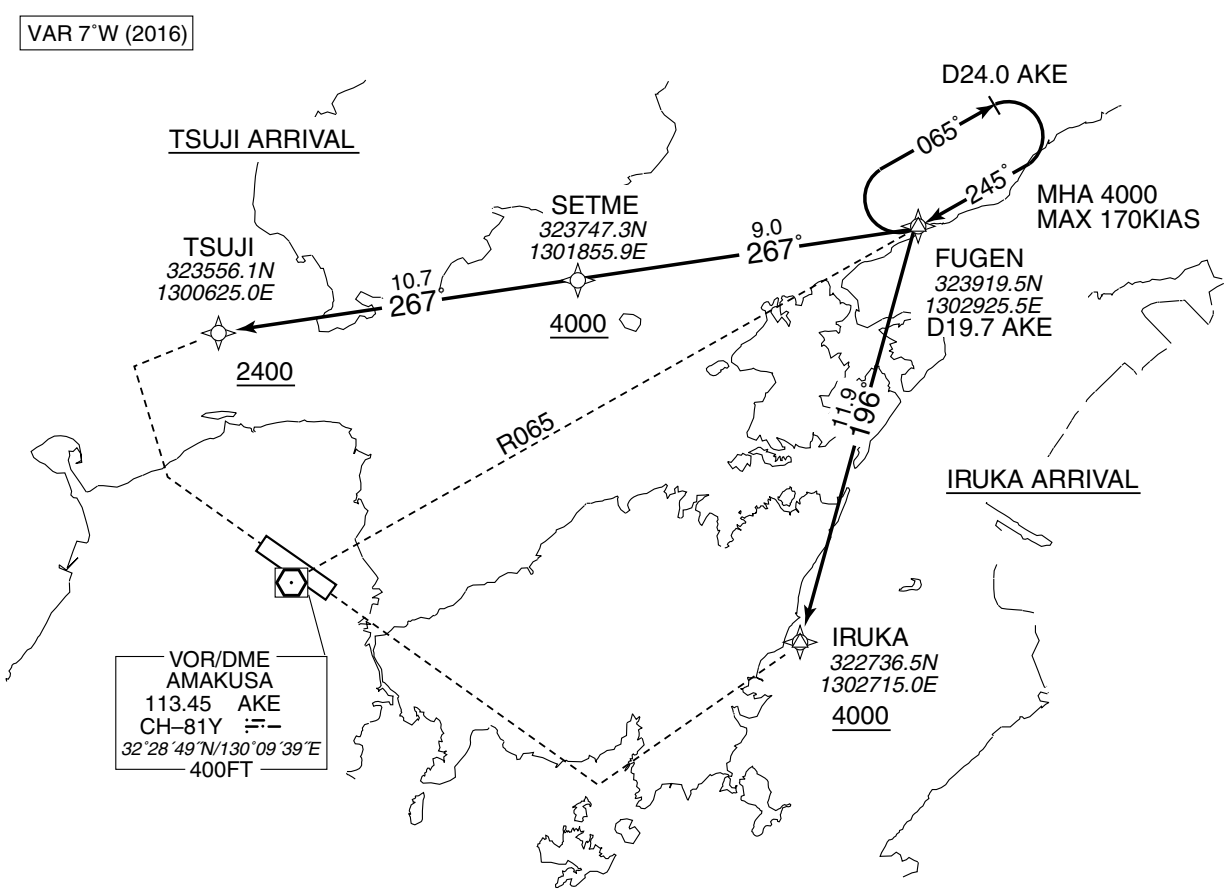
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course ˚M(˚T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	FUGEN	–	–	-7.0	–	–	–	–	–	Basic RNP1
002	TF	MISMI	–	061 (053.7)	-7.0	10.3	–	–	–	–	Basic RNP1

STANDARD ARRIVAL CHART - INSTRUMENT

RJDA / AMAKUSA — RNAV STAR

IRUKA ARRIVAL TSUJI ARRIVAL	Basic RNP1

Note GNSS required.



IRUKA ARRIVAL

From FUGEN, to IRUKA at or above 4000FT.

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	–	–	-7.0	–	–	–	–	–	Basic RNP1
002	TF	IRUKA	–	196 (188.9)	-7.0	11.9	–	+4000	–	–	Basic RNP1

TSUJI ARRIVAL

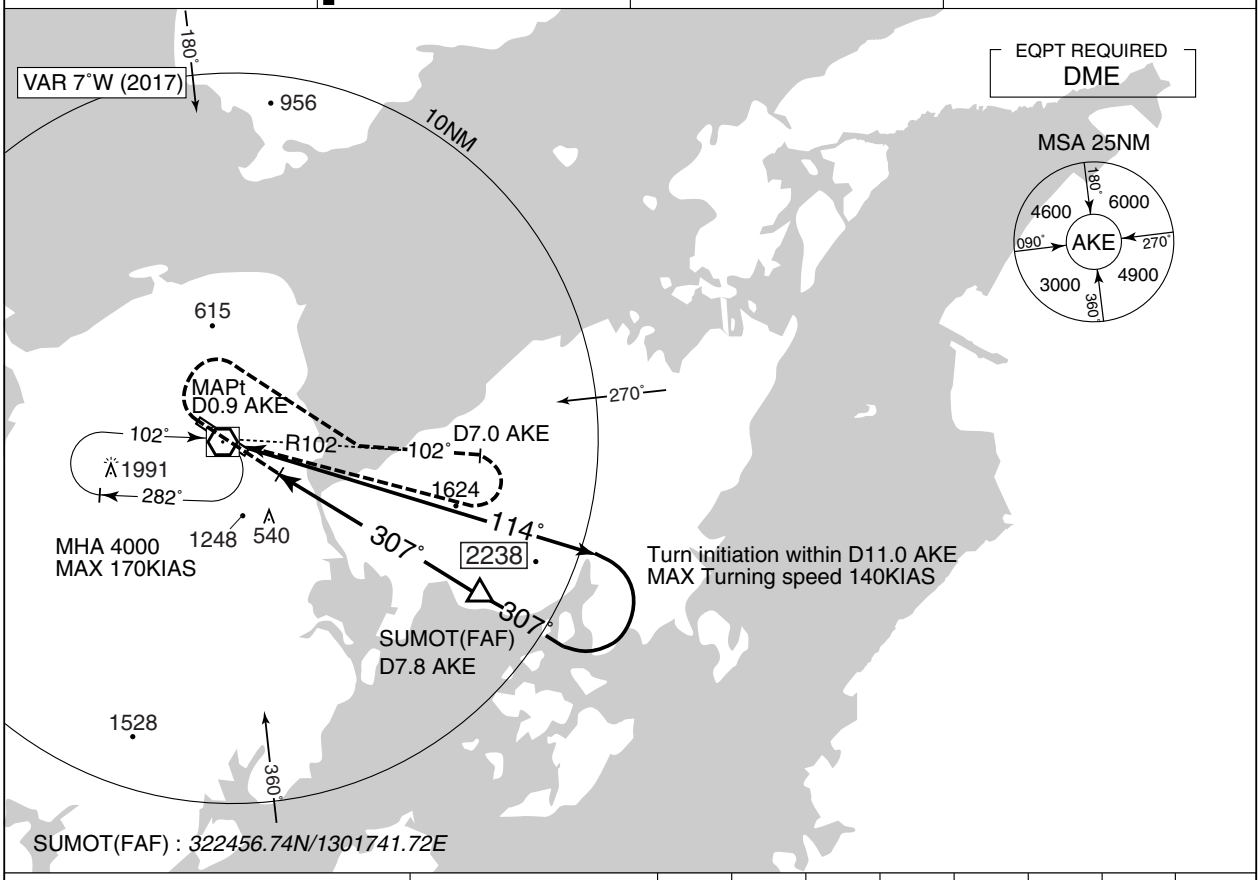
From FUGEN, to SETME at or above 4000FT, to TSUJI at or above 2400FT.

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	–	–	-7.0	–	–	–	–	–	Basic RNP1
002	TF	SETME	–	267 (260.2)	-7.0	9.0	–	+4000	–	–	Basic RNP1
003	TF	TSUJI	–	267 (260.1)	-7.0	10.7	–	+2400	–	–	Basic RNP1

INSTRUMENT APPROACH CHART

RJDA / AMAKUSA VOR RWY31

KUMAMOTO APP	AMAKUSA VOR/DME	–	NO RADAR
119.0 – 126.5 122.9 – 258.9	113.45 AKE CH–81Y 32°28′49″N/130°09′39″E		

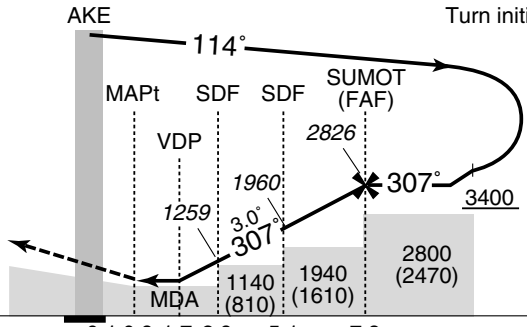


NM to AKE	MAPt	2	3	4	5	6	7	FAF
ALT (3.0° APCH Path)	–	973	1291	1610	1928	2246	2565	2826

MISSED APPROACH

Turn right, via AKE R102 to 7.0DME,
turn right, direct to AKE VOR/DME
and hold at 4000FT.
Contact KUMAMOTO APP.

Timing not authorized for defining the MAPt.
No turn before MAPt.



DME to AKE	0.1	0.9	1.7	2.9	5.1	7.8
NM to THR	0	0.8	1.6	2.8	5.0	7.7

Missed APCH climb gradient MNM 5.0%

MINIMA	THR elev. 330		AD elev. 340	
CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	▌830 (500)	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

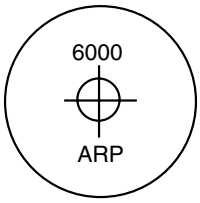
RJDA / AMAKUSA — RNAV(GNSS) RWY13

KUMAMOTO APP			
119.0 – 126.5 122.9 – 258.9	1. DME/DME RNP0.3 not authorized. 2. RNP0.3 required. 3. GNSS required. For E/TSO-C129( ) sensor, contingency means required, such as IRU.	–	NO RADAR

Baro-VNAV not authorized

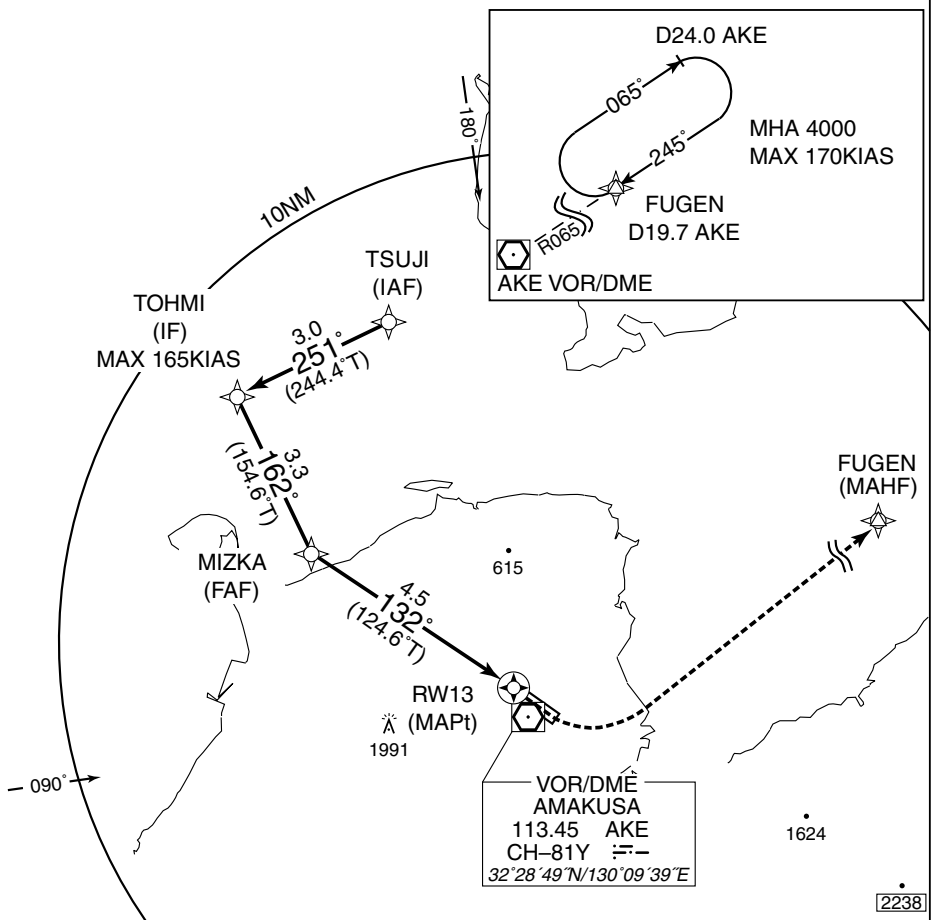
VAR 7˚W (2016)

MSA 25NM

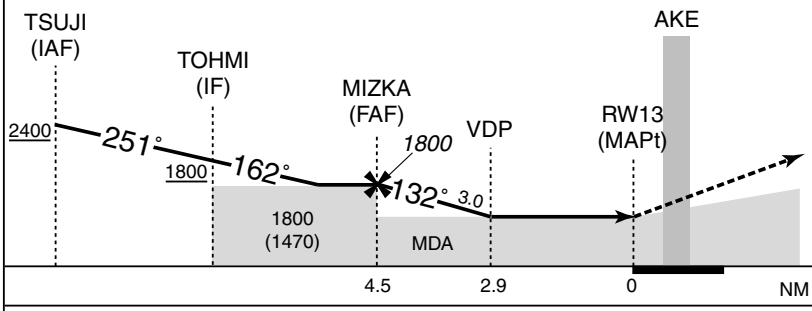


ARP : *322856N/1300932E*

TSUJI (IAF)	*323556.06N 1300624.98E*
TOHMI (IF)	*323438.41N 1300312.63E*
MIZKA (FAF)	*323139.29N 1300453.52E*
RW13 (MAPt)	*322906.21N 1300916.15E*
FUGEN (MAHF)	*323919.48N 1302925.48E*



NM to Next Fix	FAF	4	3	MAPt
ALT(3.0˚ APCH Path)	1800	1643	1325	–



MISSED APPROACH

Turn left direct to FUGEN and hold at 4000FT.
Contact KUMAMOTO APP.

MINIMA		THR elev. 330		AD elev. 340	
CAT	LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	CMV	MDA(H)	CMV	MDA(H)	VIS
A B	Not applicable		1230(900)	1500	1230(890)	1600
C D	–	–	–	–	–	–

Circling to NORTH side of RWY only.

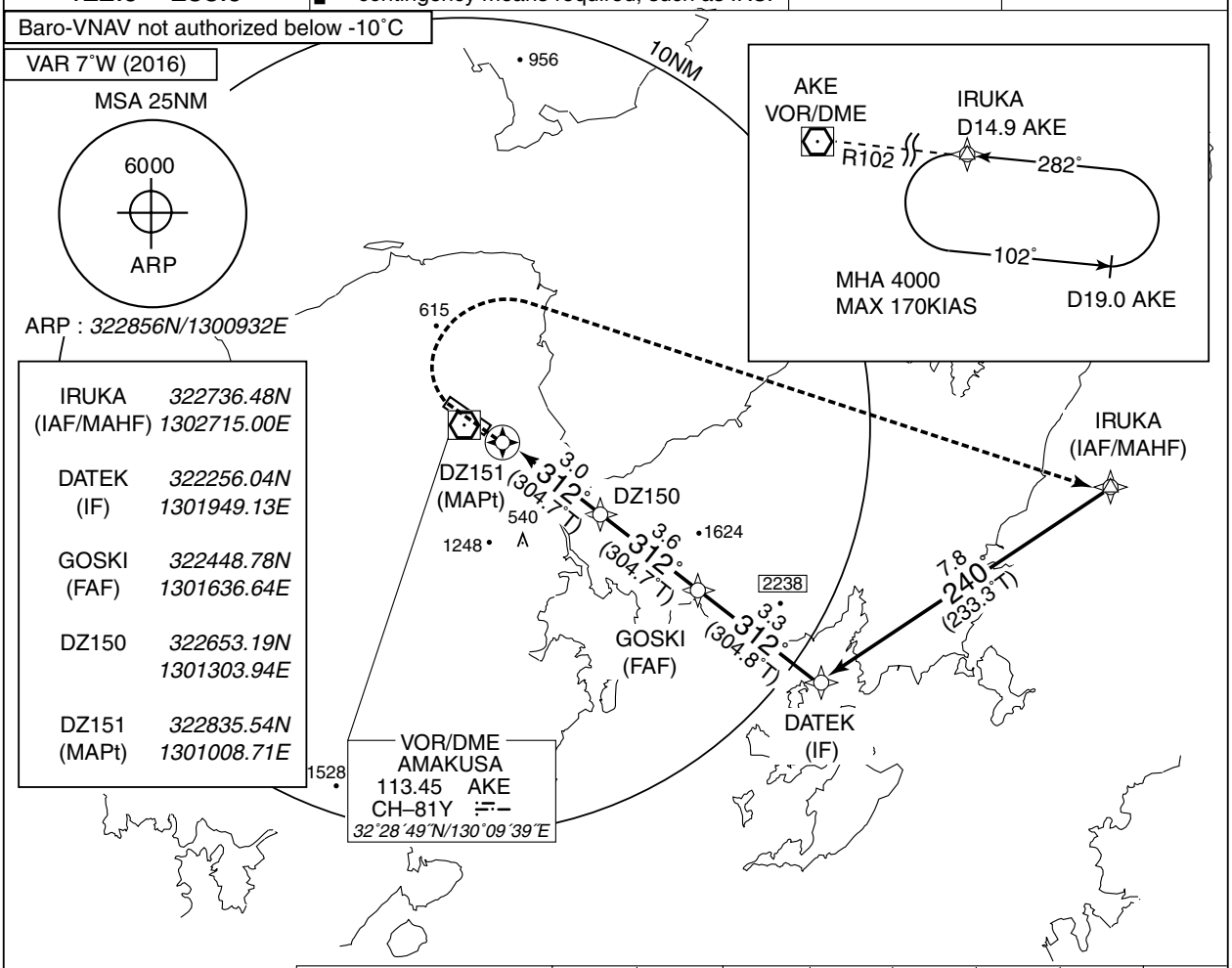
INSTRUMENT APPROACH CHART

RJDA / AMAKUSA — RNAV(GNSS) RWY31

KUMAMOTO APP			
119.0 – 126.5 122.9 – 258.9	1. DME/DME RNP0.3 not authorized. 2. RNP0.3 required. 3. GNSS required. For E/TSO-C129( ) sensor, contingency means required, such as IRU.	–	NO RADAR

Baro-VNAV not authorized below -10˚C

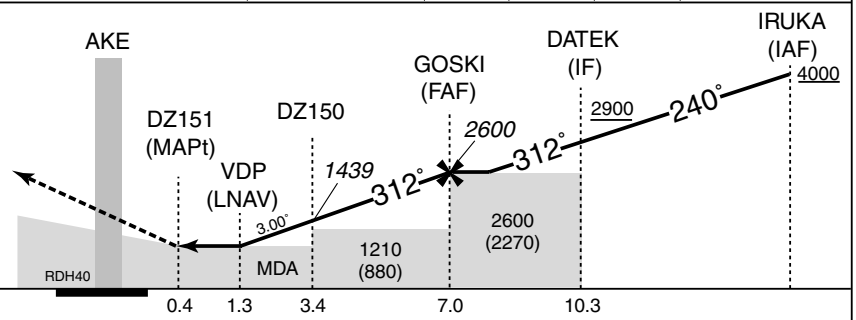
VAR 7˚W (2016)



NM to Next Fix	MAPt	1	2	3	4	5	6	FAF
ALT(3.0˚ APCH Path)	–	802	1121	1439	1758	2076	2395	2600

MISSED APPROACH

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



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.

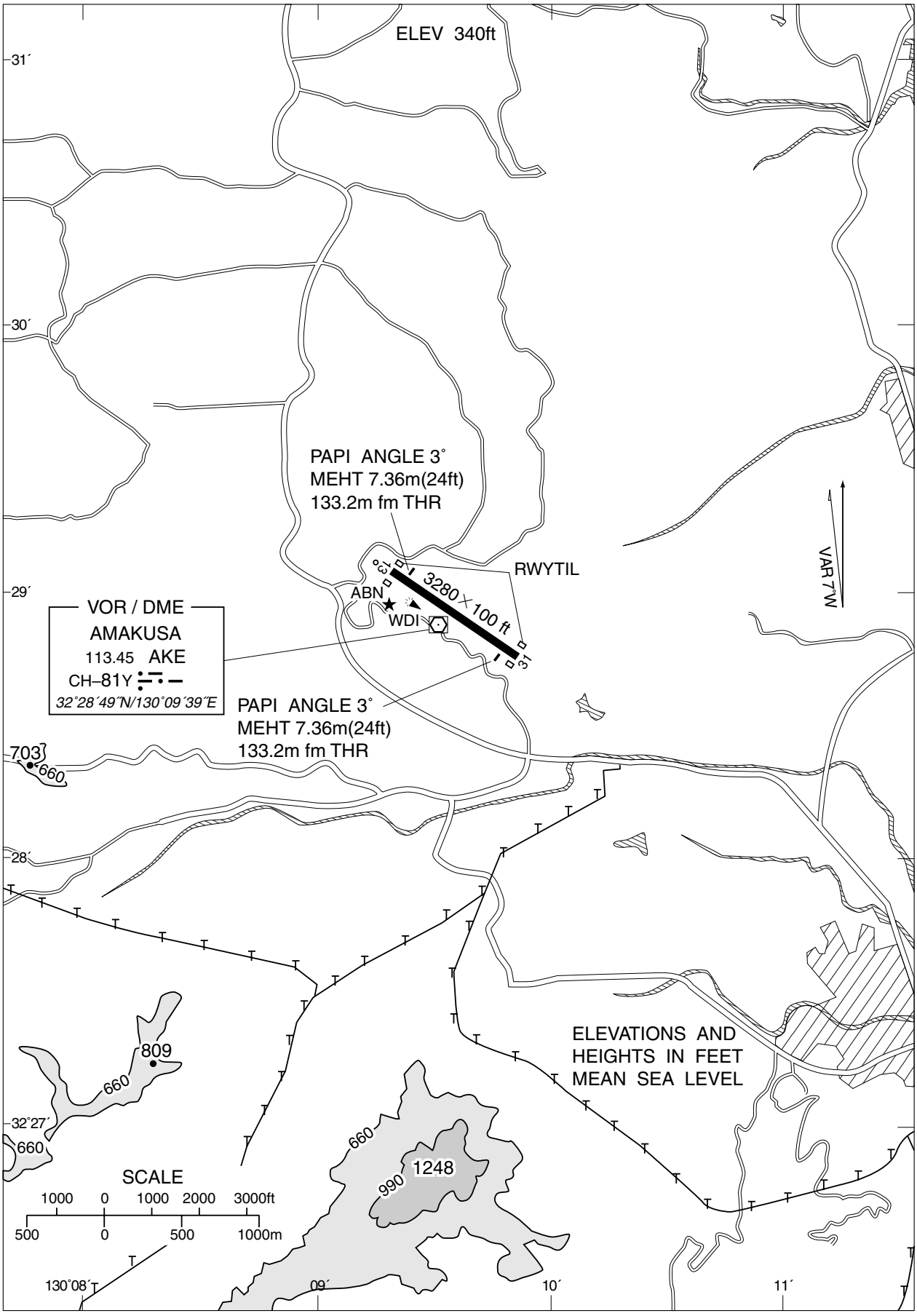
RJDA/AMAKUKSA

Visual REP

※AMAKUSA FLIGHT SERVICE : 130.775MHz

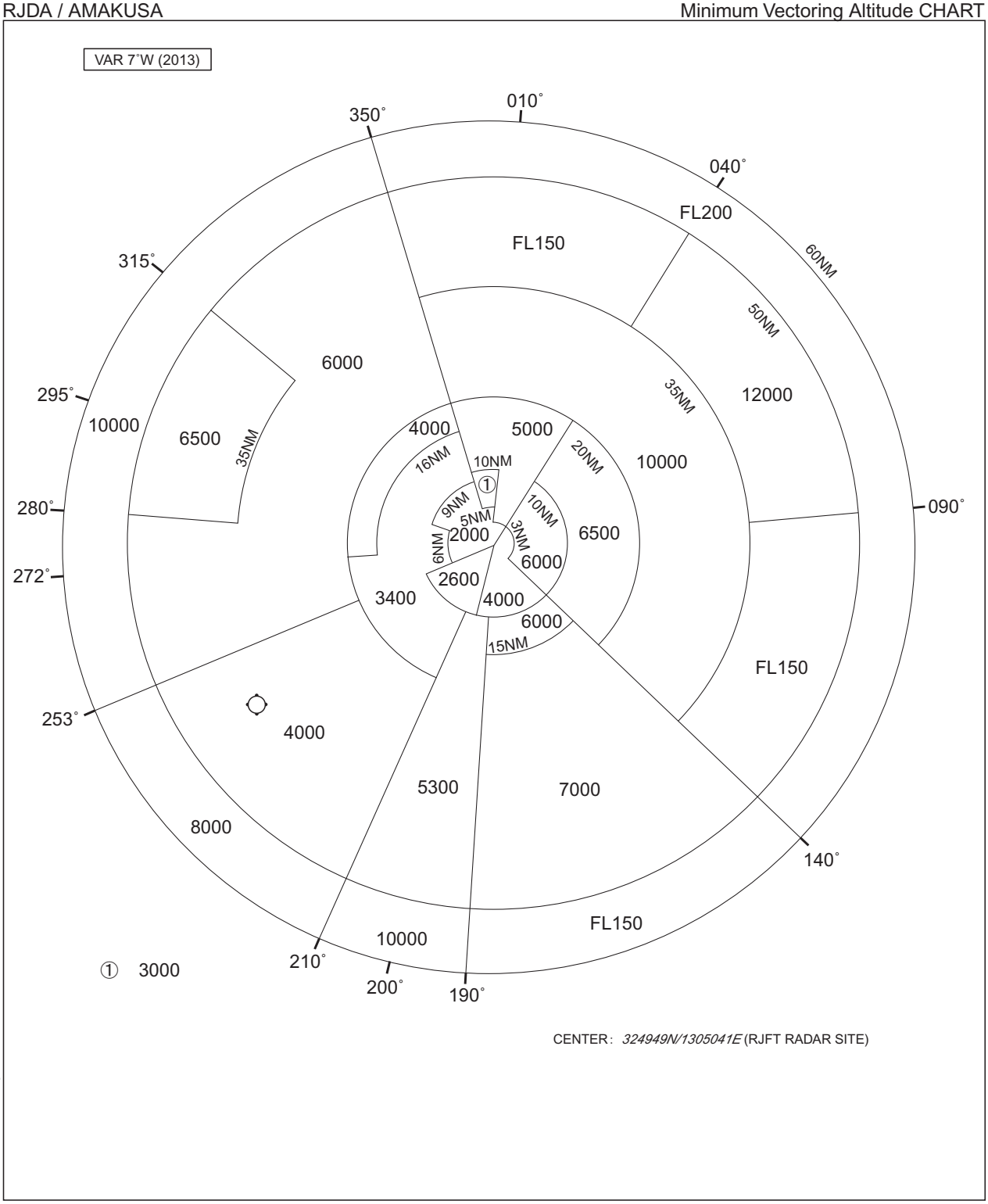
Call sign	BRG / DIST from ARP	Remarks
口之津 Kuchinotsu	020° / 8.0NM	港 Port
湯島 Yushima	058° /11.9NM	島 Island
通詞島 Tsuujishima	334° / 4.8NM	島 Island
島子 Shimago	101° / 4.6NM	漁港 Port
横島 Yokoshima	158° / 7.5NM	島 Island
富岡 Tomioka	299° / 7.7NM	岬 Cape

RJDA / AMAKUSA LDG CHART



RJDA / AMAKUSA

Minimum Vectoring Altitude CHART



CHANGE: Update