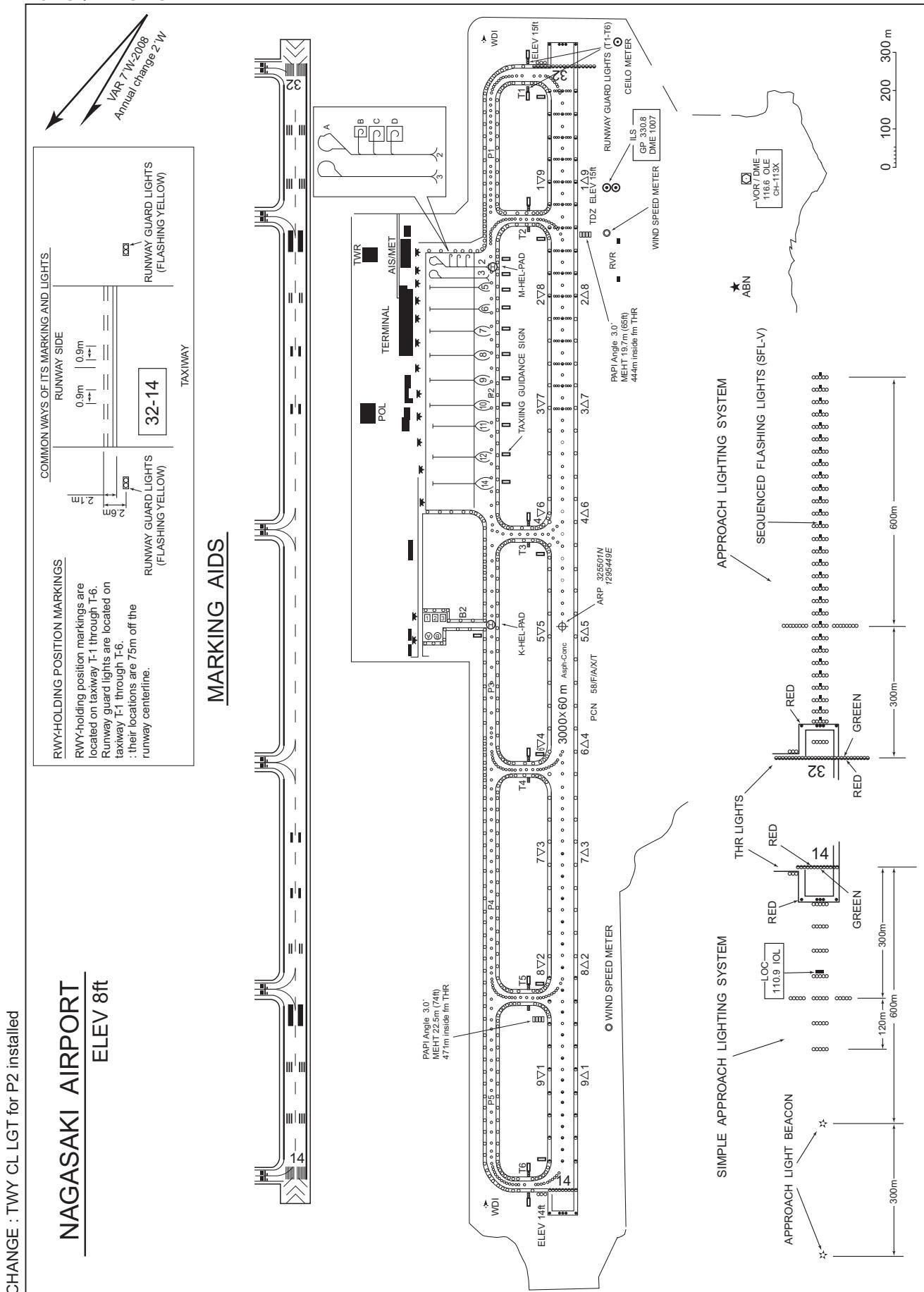


RJFU / NAGASAKI

AD CHART



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DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC



AERODROME OBSTACLE CHART-ICAO TYPE B

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC



STANDARD DEPARTURE CHART -INSTRUMENT

RJFU / NAGASAKI

SID

NORTH ONE DEPARTURE

RWY 14: Climb RWY HDG to 500FT, via OLE R144 to 6.0 DME, turn right HDG324° until crossing OLE R258, turn right HDG016° to intercept and proceed via OLE R331 to PEARL....

RWY 32: Climb via OLE R331 to PEARL....

... Cross PEARL at or above 6000FT(*).

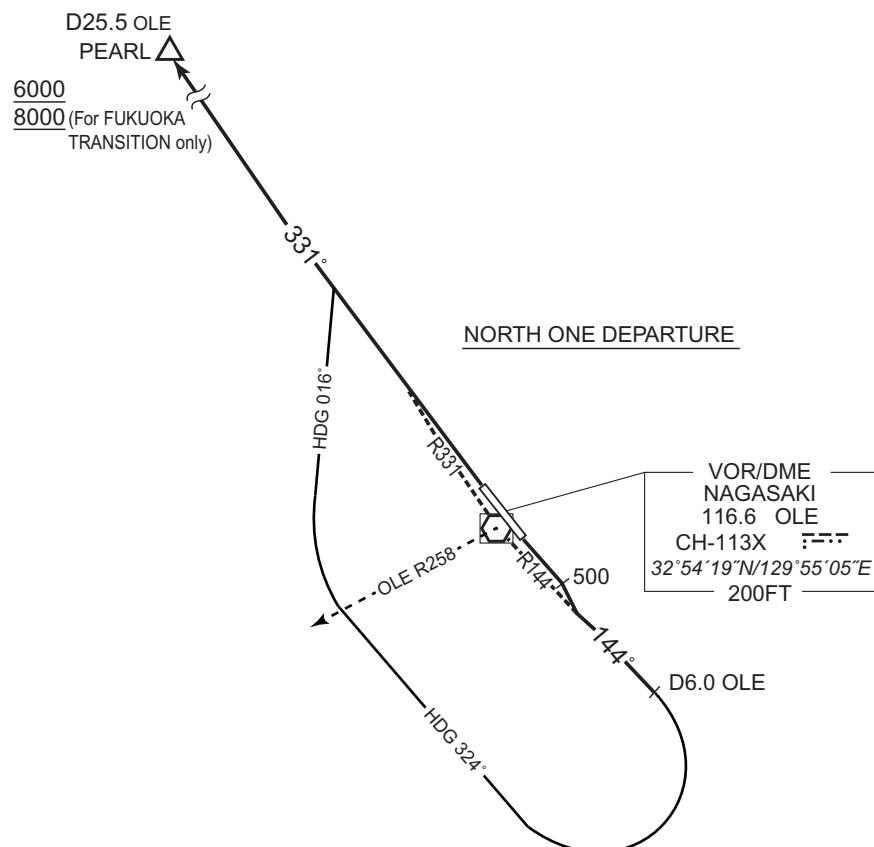
* For FUKUOKA TRANSITION : Cross PEARL at or above 8000FT.

Note RWY 14: 5.0% climb gradient required up to 1200FT.

OBST ALT 1411FT located at 6.9NM 158° FM end of RWY14.

OBST ALT 1575FT located at 7.7NM 165° FM end of RWY14.

CHANGE : PROC renamed. PROC course. Note(PDG, OBST).



STANDARD DEPARTURE CHART -INSTRUMENT

RJFU / NAGASAKI

TRANSITION

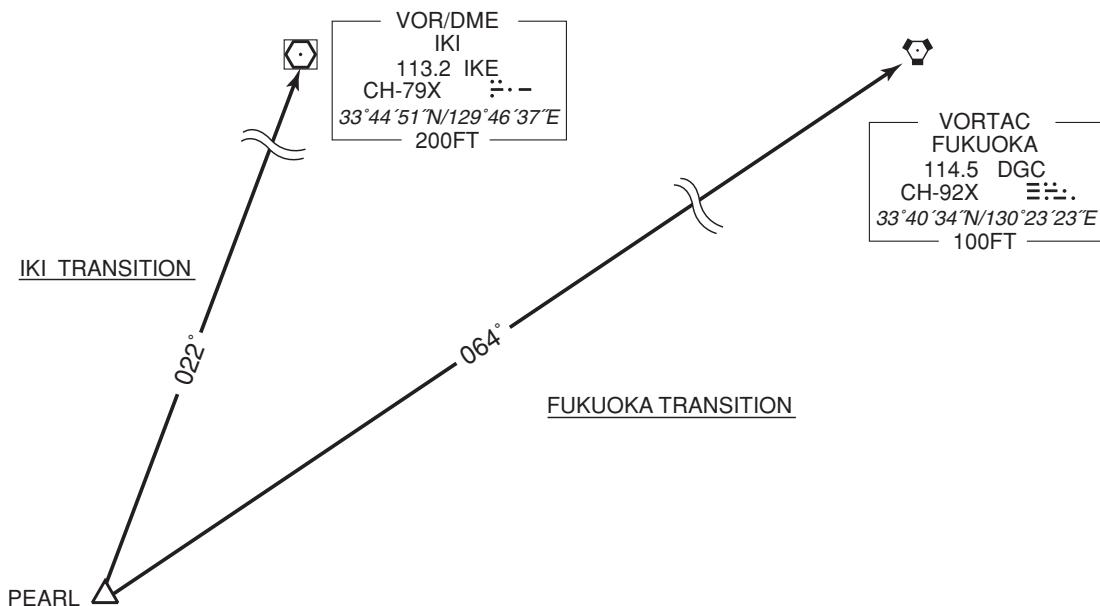
FUKUOKA TRANSITION

From over PEARL, via DGC R244 to DGC VORTAC.

Note : Not applicable for aircraft equipped with TACAN only.

IKI TRANSITION

From over PEARL, via IKE R202 to IKE VOR/DME.



STANDARD DEPARTURE CHART -INSTRUMENT

RJFU / NAGASAKI

SID

WEST SEVEN DEPARTURE

RWY 14: Climb RWY HDG to 500FT, climb via OLE R144 to 1800FT, turn right HDG292° to intercept and proceed via OLE R247...

RWY 32: Climb RWY HDG 1500FT, turn left HDG202° to intercept and proceed via OLE R247...

... to SUMOU.

Cross SUMOU at or above 4000FT.

Note RWY 14: 5.0% climb gradient required up to 1800FT.

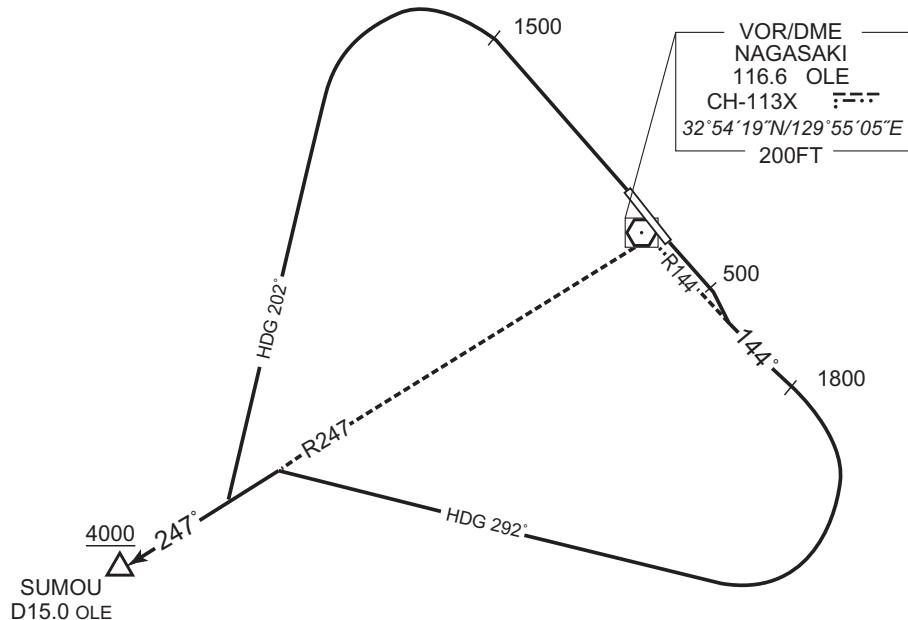
OBST ALT 854FT located at 3.4NM 170° FM end of RWY14.

RWY 32: 5.0% climb gradient required up to 1500FT.

OBST ALT 1969FT located at 8.0NM 272° FM end of RWY32.

CHANGE : PROC renamed. PROC course. Note RWY14, RWY32 (OBST).

WEST SEVEN DEPARTURE



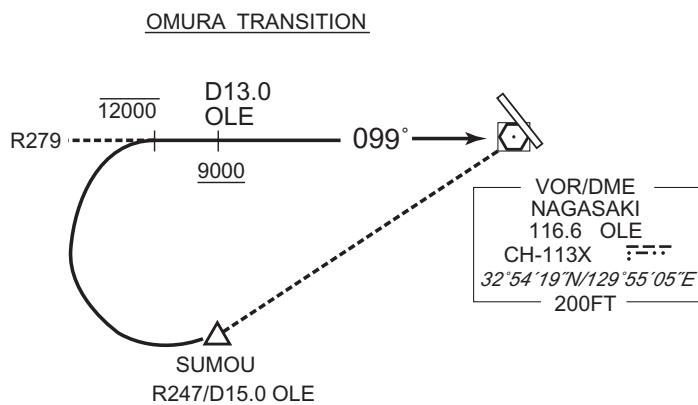
STANDARD DEPARTURE CHART -INSTRUMENT

RJFU / NAGASAKI

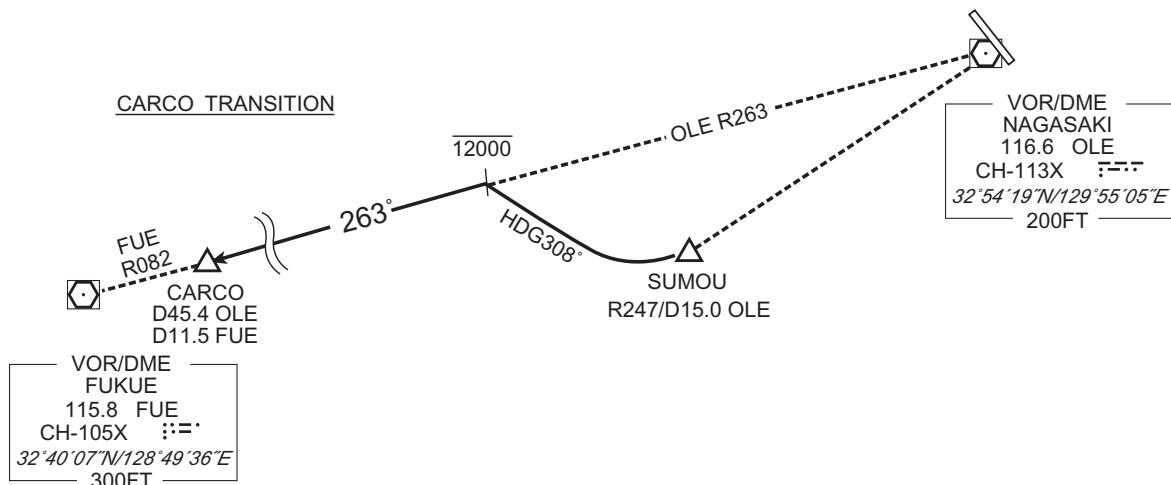
TRANSITION

OMURA TRANSITION

From over SUMOU, turn right to intercept and proceed via OLE R279 to OLE VOR/DME.
 Maintain 12000FT or below until intercepting OLE R279.
 Cross OLE R279/13.0DME at or above 9000FT.

CARCO TRANSITION

From over SUMOU, turn right HDG308° to intercept and proceed via OLE R263 /FUE R082 to CARCO.
 Maintain 12000FT or below until intercepting OLE R263.



CHANGE : PROC course(OMURA TRANSITION, CARCO TRANSITION), Radial/DIST FM OLE added(SUMOU).
 DIST FM OLE, FUE added(CARCO).

STANDARD DEPARTURE CHART -INSTRUMENT

RJFU / NAGASAKI

SID

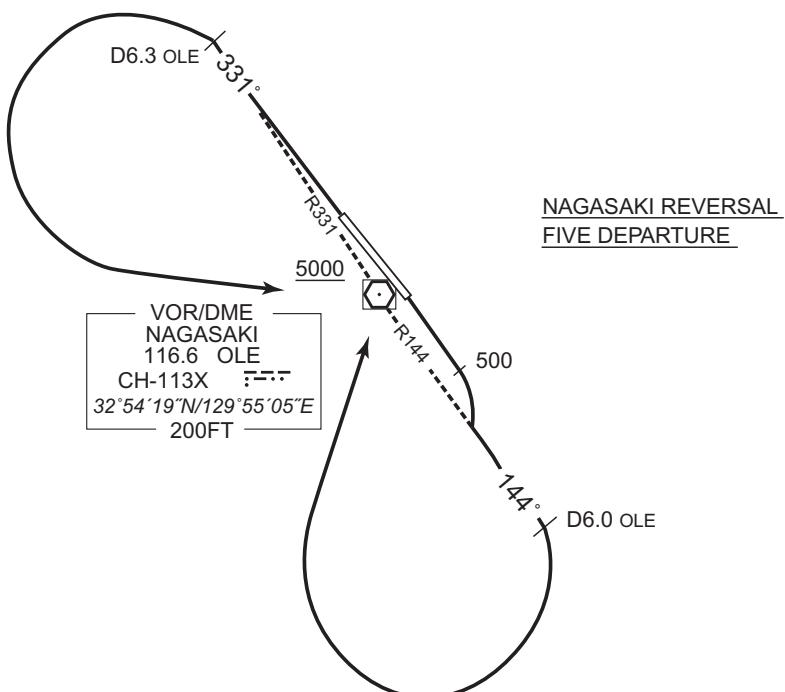
NAGASAKI REVERSAL FIVE DEPARTURE

RWY 14: Climb RWY HDG to 500FT, climb via OLE R144 to 6.0DME, turn right, direct to OLE VOR/DME.
Cross OLE VOR/DME at or above 5000FT.

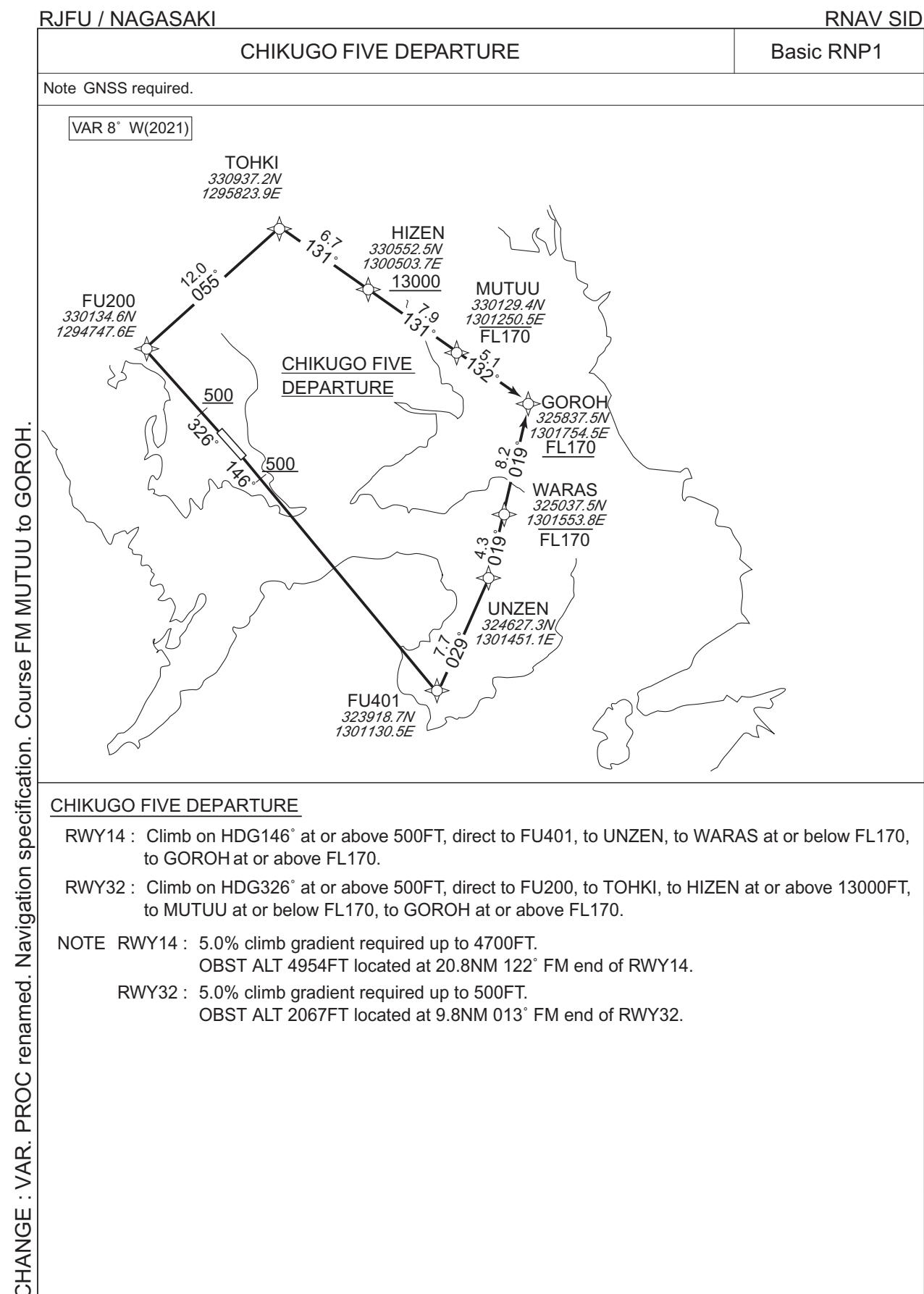
RWY 32: Climb via OLE R331 to 6.3DME, turn left, direct to OLE VOR/DME.
Cross OLE VOR/DME at or above 5000FT.

Note RWY 14: 5.0% climb gradient required up to 1800FT.
OBST ALT 1575FT located at 7.7NM 165° FM end of RWY14.
RWY 32: 5.0% climb gradient required up to 1600FT.
OBST ALT 1969FT located at 8.0NM 272° FM end of RWY32.

CHANGE : PROC renamed. PROC course. Note RWY14, RWY32 (OBST).



STANDARD DEPARTURE CHART -INSTRUMENT



STANDARD DEPARTURE CHART -INSTRUMENT

RJFU / NAGASAKI

RNAV SID

CHIKUGO FIVE DEPARTURE

RWY14

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	—	—	146 (138.1)	-7.6	—	—	+500	—	—	Basic RNP1
002	DF	FU401	—	—	-7.6	—	—	—	—	—	Basic RNP1
003	TF	UNZEN	—	029 (021.5)	-7.6	7.7	—	—	—	—	Basic RNP1
004	TF	WARAS	—	019 (011.9)	-7.6	4.3	—	-FL170	—	—	Basic RNP1
005	TF	GOROH	—	019 (011.9)	-7.6	8.2	—	+FL170	—	—	Basic RNP1

RWY32

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	—	—	326 (318.1)	-7.6	—	—	+500	—	—	Basic RNP1
002	DF	FU200	—	—	-7.6	—	—	—	—	—	Basic RNP1
003	TF	TOHKI	—	055 (047.8)	-7.6	12.0	—	—	—	—	Basic RNP1
004	TF	HIZEN	—	131 (123.8)	-7.6	6.7	—	+13000	—	—	Basic RNP1
005	TF	MUTUU	—	131 (123.9)	-7.6	7.9	—	-FL170	—	—	Basic RNP1
006	TF	GOROH	—	132 (124.0)	-7.6	5.1	—	+FL170	—	—	Basic RNP1

CHANGE : VAR. PROC renamed. Course FM MUTUU to GOROH.

STANDARD DEPARTURE CHART -INSTRUMENT

RJFU / NAGASAKI

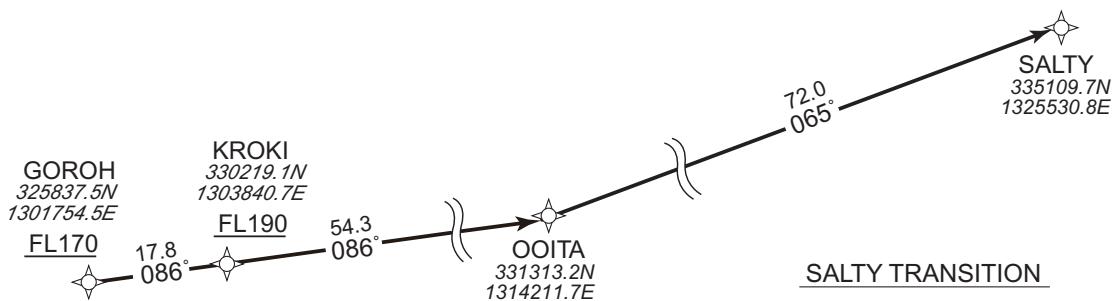
RNAV TRANSITION

SALTY TRANSITION / OOITA TRANSITION

Basic RNP1

Note GNSS required.

VAR 8° W(2021)

SALTY TRANSITION

From GOROH at or above FL170, to KROKI at or above FL190, to OOITA, to SALTY.

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	GOROH	—	—	-7.6	—	—	+FL170	—	—	Basic RNP1
002	TF	KROKI	—	086 (077.9)	-7.6	17.8	—	+FL190	—	—	Basic RNP1
003	TF	OOITA	—	086 (078.1)	-7.6	54.3	—	—	—	—	Basic RNP1
004	TF	SALTY	—	065 (057.8)	-7.6	72.0	—	—	—	—	Basic RNP1

OOITA TRANSITION

From GOROH at or above FL170, to KROKI at or above FL190, to OOITA.

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	GOROH	—	—	-7.6	—	—	+FL170	—	—	Basic RNP1
002	TF	KROKI	—	086 (077.9)	-7.6	17.8	—	+FL190	—	—	Basic RNP1
003	TF	OOITA	—	086 (078.1)	-7.6	54.3	—	—	—	—	Basic RNP1

CHANGE : VAR. Navigation specification. Course FM GOROH to KROKI.

STANDARD DEPARTURE CHART -INSTRUMENT

RJFU / NAGASAKI

RNAV SID

KAZSA ONE DEPARTURE

Basic RNP1

Note GNSS required.

VAR 8°W (2021)

FU201
325731.0N
1295208.2E

500

326°

146°
1200

FU202

325118.6N

1295047.5E

KAZSA ONE DEPARTURE

KAZSA
323510.2N
1301410.8E

KAZSA ONE DEPARTURE

RWY14 : Climb on HDG146° at or above 1200FT, direct to KAZSA

RWY32 : Climb on HDG326° at or above 500FT, direct to FU201, turn left direct to FU202, to KAZSA.

Note RWY14 : 5.0% climb gradient required up to 1200FT.

OBST ALT 892FT located at 4.1NM 130° FM end of RWY14.

OBST ALT 1050FT located at 4.6NM 165° FM end of RWY14.

RWY32 : 5.0% climb gradient required up to 1900FT.

OBST ALT 1936FT located at 8.0NM 272° FM end of RWY32.

CHANGE : New PROC.

STANDARD DEPARTURE CHART -INSTRUMENT

RJFU / NAGASAKI

RNAV SID

KAZSA ONE DEPARTURE

RWY14

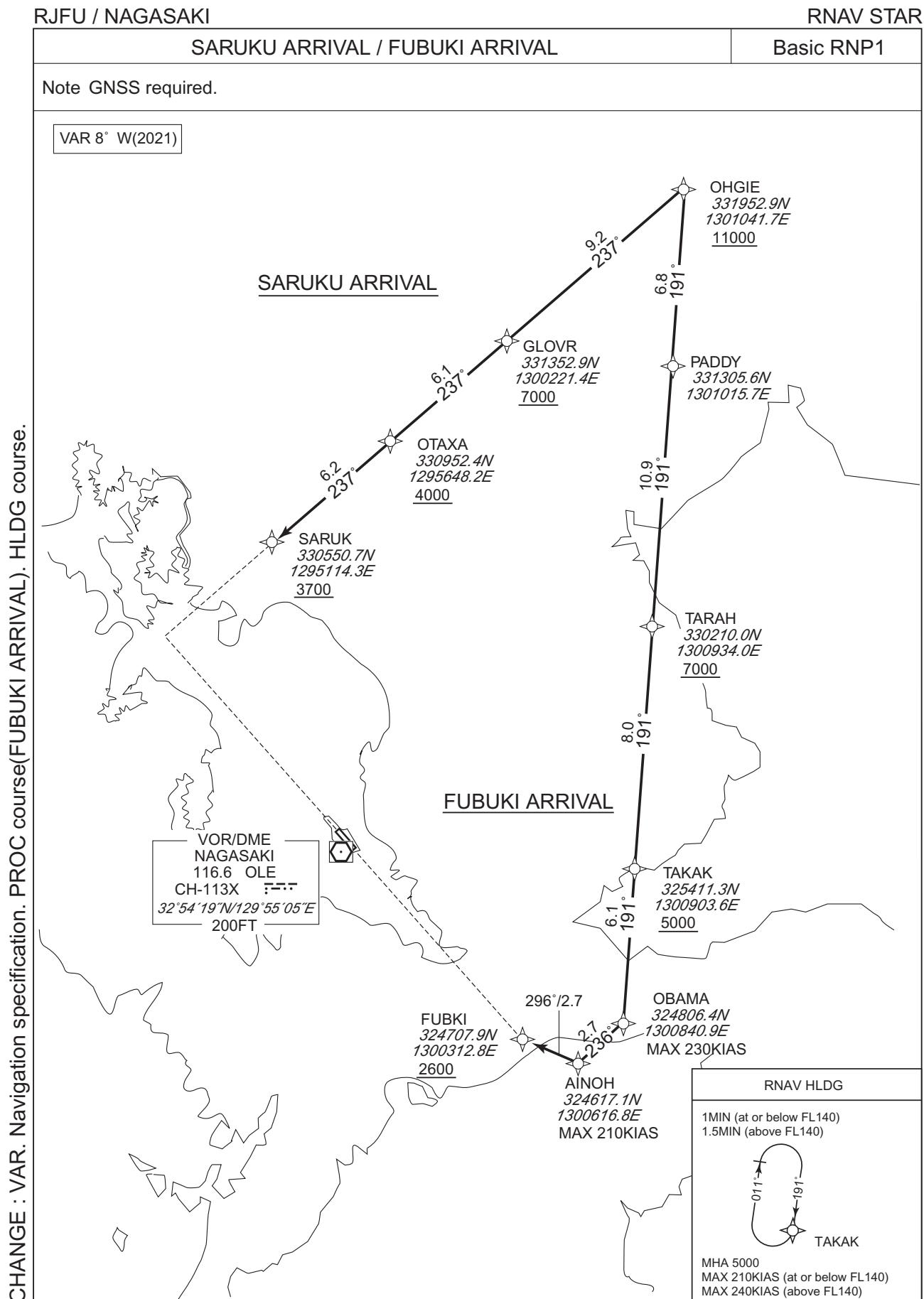
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	—	—	146 (138.1)	-7.6	—	—	+1200	—	—	Basic RNP1
002	DF	KAZSA	—	—	-7.6	—	—	—	—	—	Basic RNP1

RWY32

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	—	—	326 (318.1)	-7.6	—	—	+500	—	—	Basic RNP1
002	DF	FU201	Y	—	-7.6	—	—	—	—	—	Basic RNP1
003	DF	FU202	—	—	-7.6	—	L	—	—	—	Basic RNP1
004	TF	KAZSA	—	137 (129.3)	-7.6	25.5	—	—	—	—	Basic RNP1

CHANGE : New PROC.

STANDARD ARRIVAL CHART-INSTRUMENT



STANDARD ARRIVAL CHART-INSTRUMENT

RJFU / NAGASAKI

RNAV STAR

SARUKU ARRIVAL

From OHGIE at or above 11000FT, to GLOVR at or above 7000FT, to OTAXA at or above 4000FT, to SARUK at or above 3700FT.

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	OHGIE	—	—	-7.6	—	—	+11000	—	—	Basic RNP1
002	TF	GLOVR	—	237 (229.3)	-7.6	9.2	—	+7000	—	—	Basic RNP1
003	TF	OTAXA	—	237 (229.2)	-7.6	6.1	—	+4000	—	—	Basic RNP1
004	TF	SARUK	—	237 (229.2)	-7.6	6.2	—	+3700	—	—	Basic RNP1

FUBUKI ARRIVAL

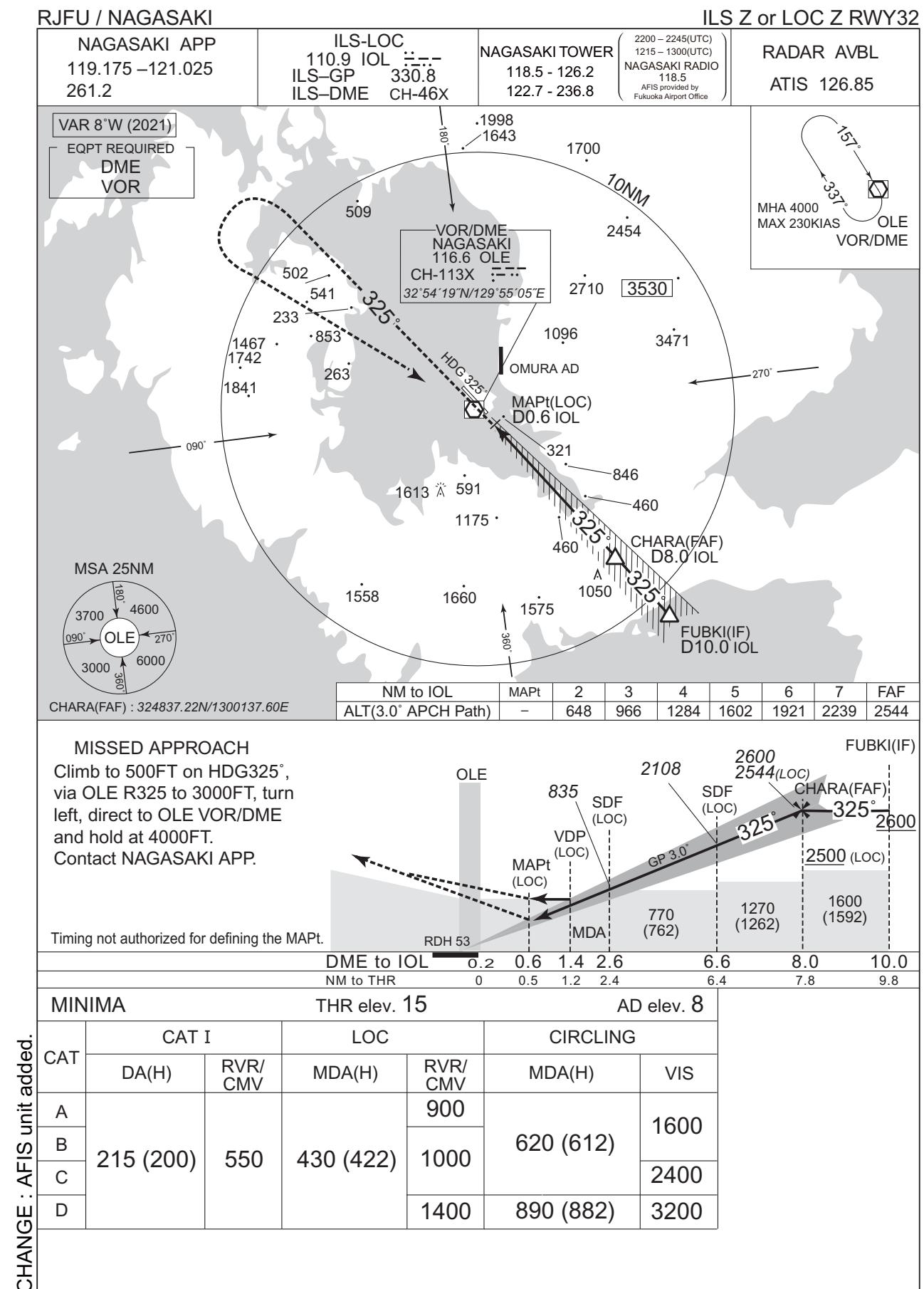
From OHGIE at or above 11000FT, to PADDY, to TARAH at or above 7000FT, to TAKAK at or above 5000FT, to OBAMA, to AINOH, to FUBKI at or above 2600FT.

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	OHGIE	—	—	-7.6	—	—	+11000	—	—	Basic RNP1
002	TF	PADDY	—	191 (183.1)	-7.6	6.8	—	—	—	—	Basic RNP1
003	TF	TARAH	—	191 (183.1)	-7.6	10.9	—	+7000	—	—	Basic RNP1
004	TF	TAKAK	—	191 (183.0)	-7.6	8.0	—	+5000	—	—	Basic RNP1
005	TF	OBAMA	—	191 (183.0)	-7.6	6.1	—	—	-230	—	Basic RNP1
006	TF	AINOH	—	236 (228.0)	-7.6	2.7	—	—	-210	—	Basic RNP1
007	TF	FUBKI	—	296 (288.2)	-7.6	2.7	—	+2600	—	—	Basic RNP1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	TAKAK	191 (183.0)	-7.6	1.0(-14000) 1.5(+14001)	R	5000	—	-210(-14000) -240(+14001)	Basic RNP1

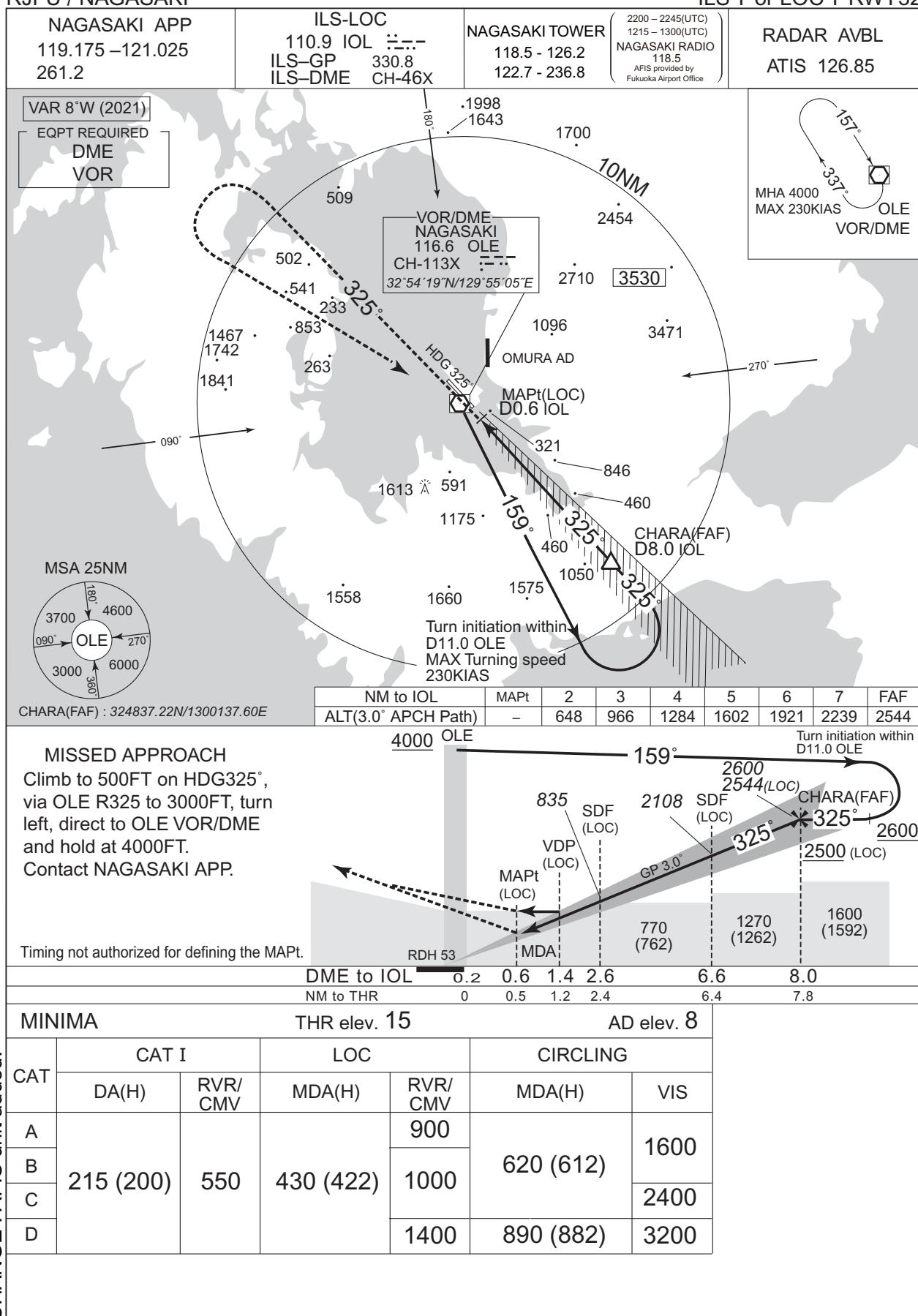
CHANGE : VAR. Navigation specification. PROC course(FUBUKI ARRIVAL). HLDG course.

INSTRUMENT APPROACH CHART

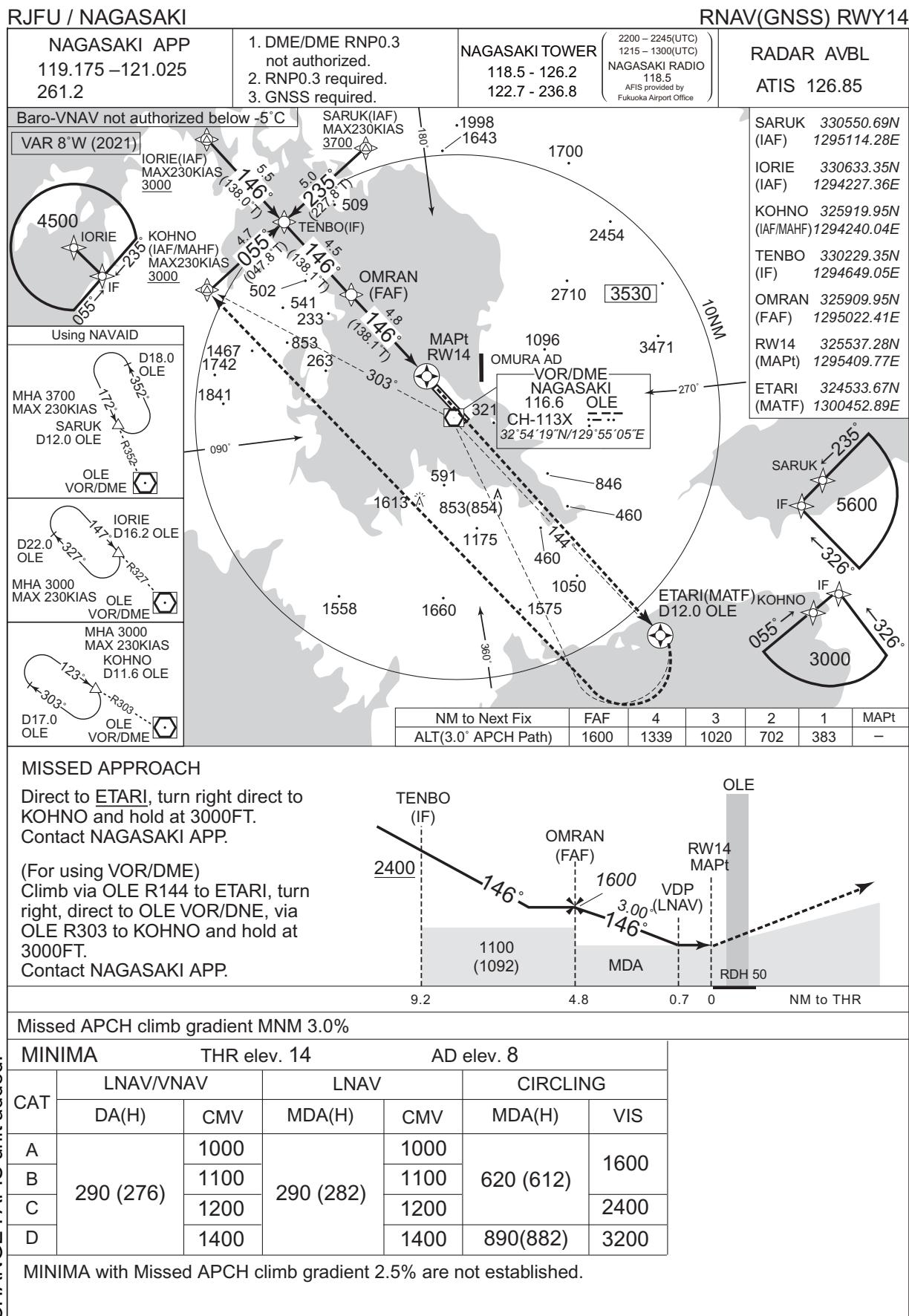


INSTRUMENT APPROACH CHART

RJFU / NAGASAKI

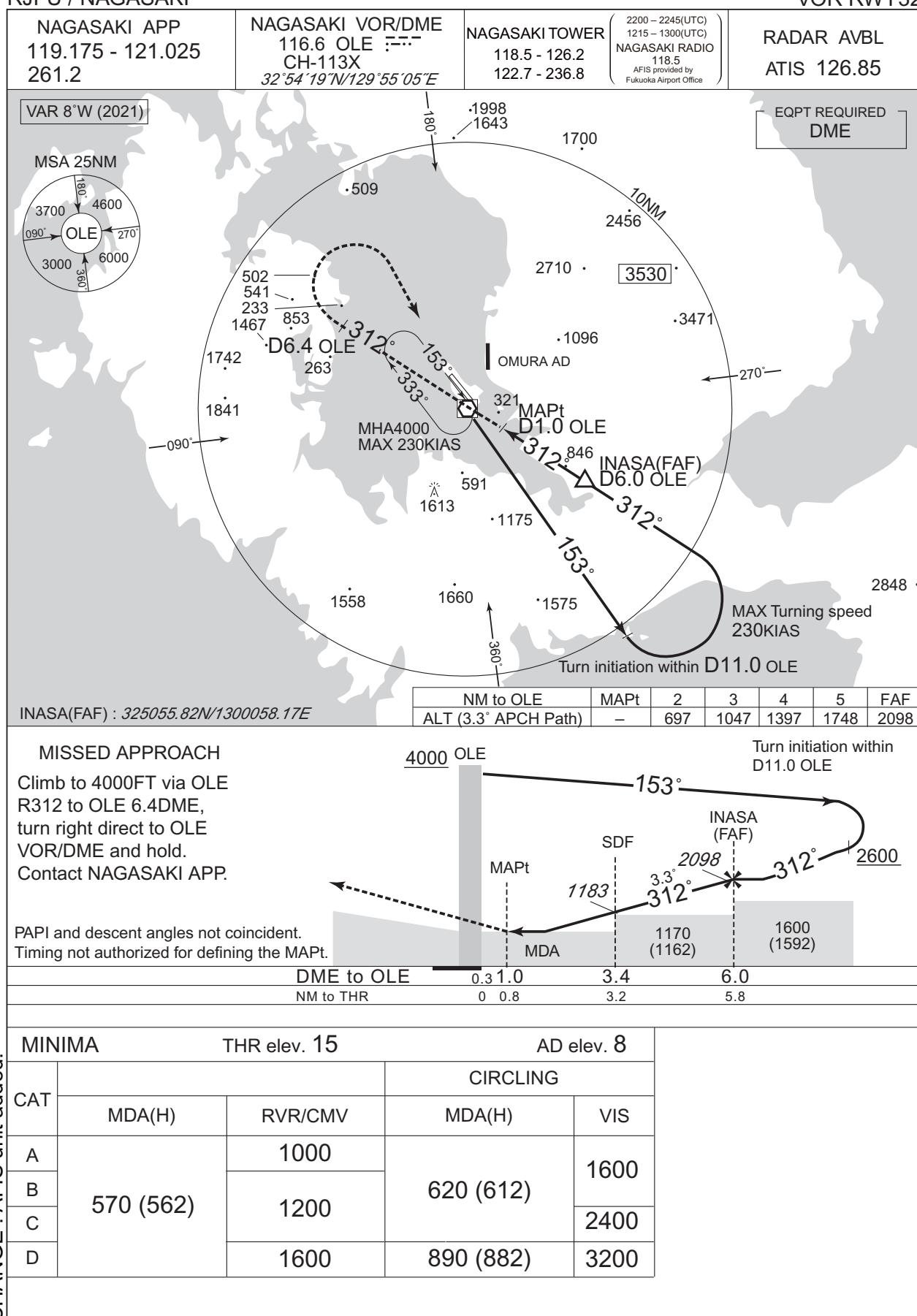


INSTRUMENT APPROACH CHART

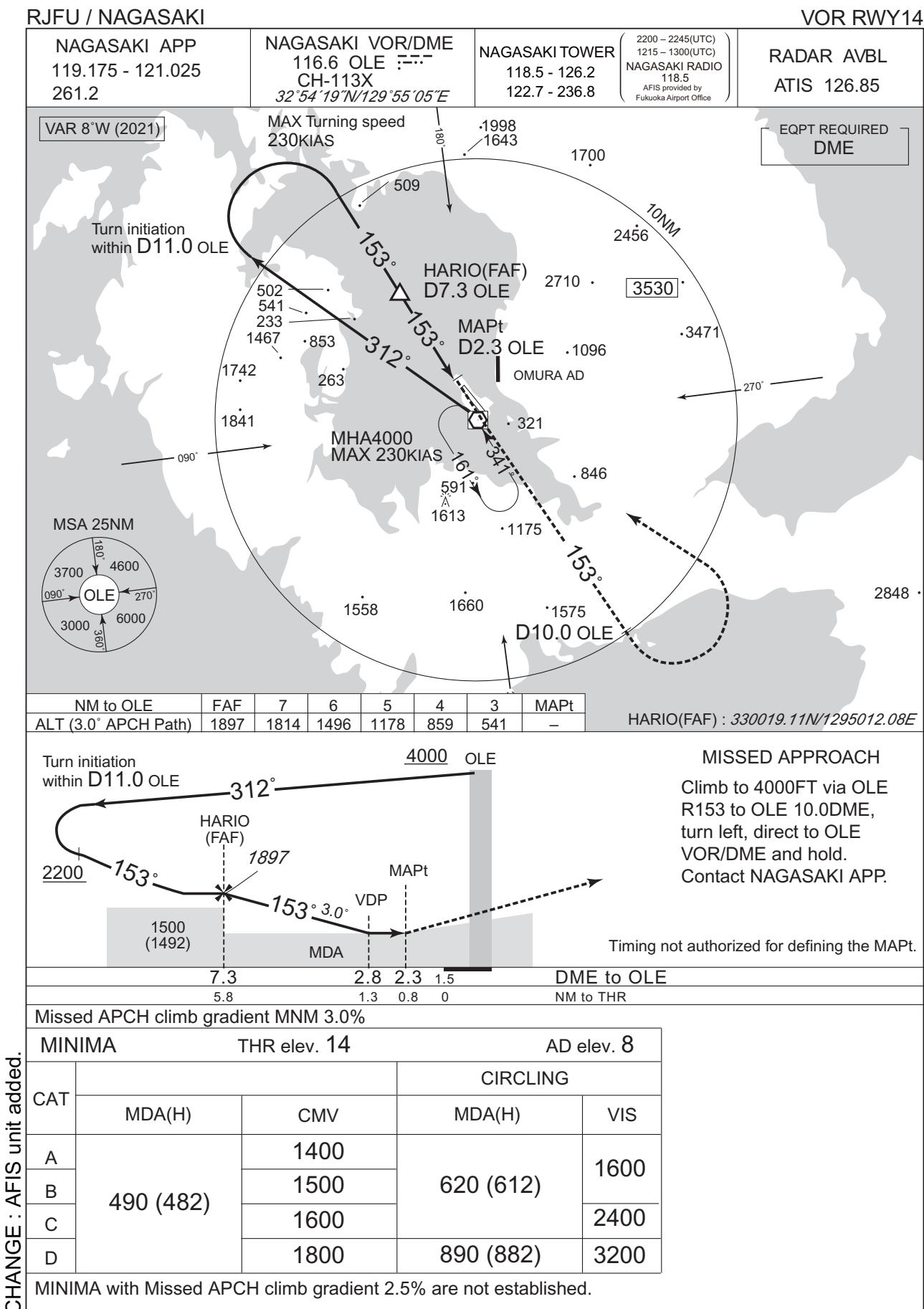


INSTRUMENT APPROACH CHART

RJFU / NAGASAKI



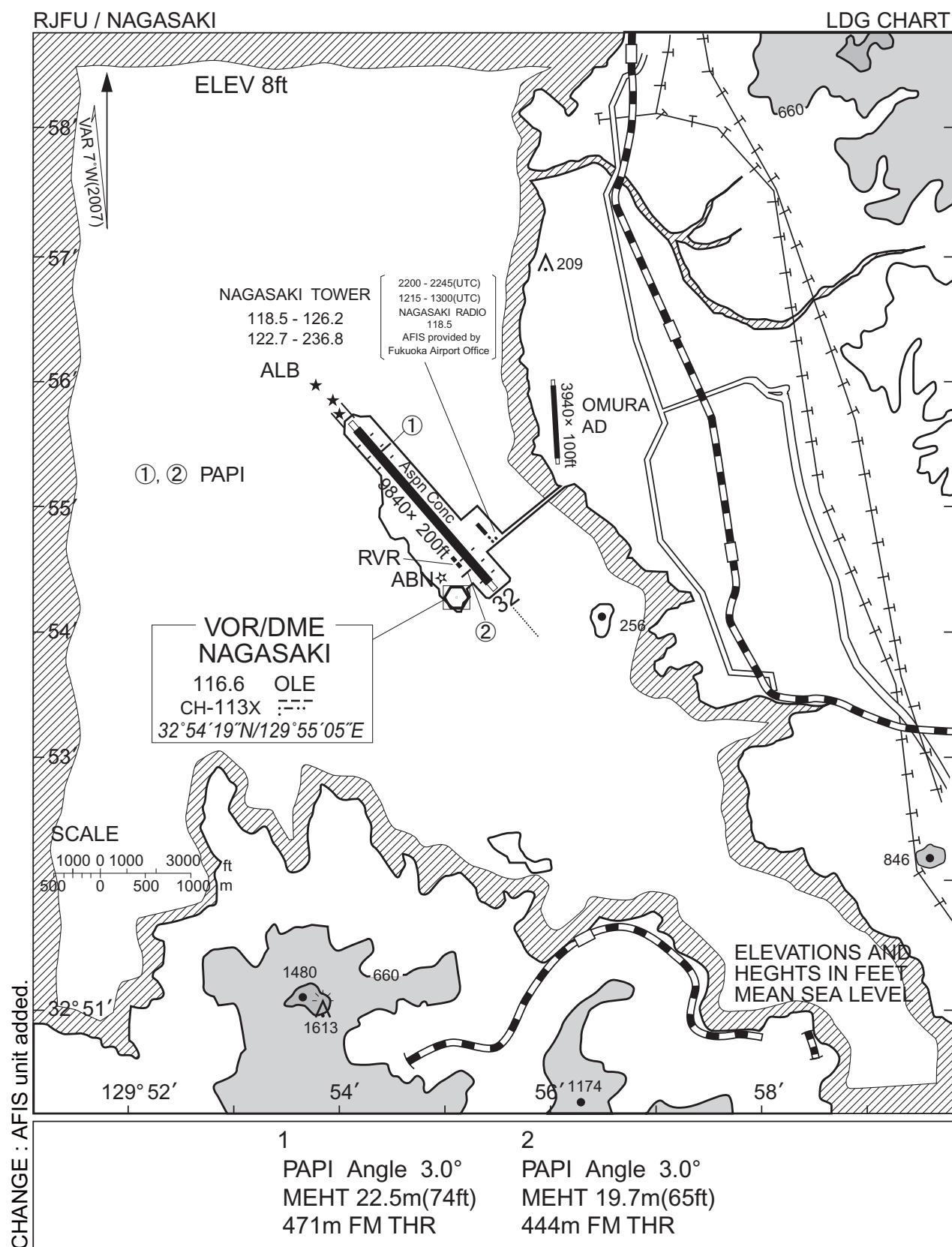
INSTRUMENT APPROACH CHART



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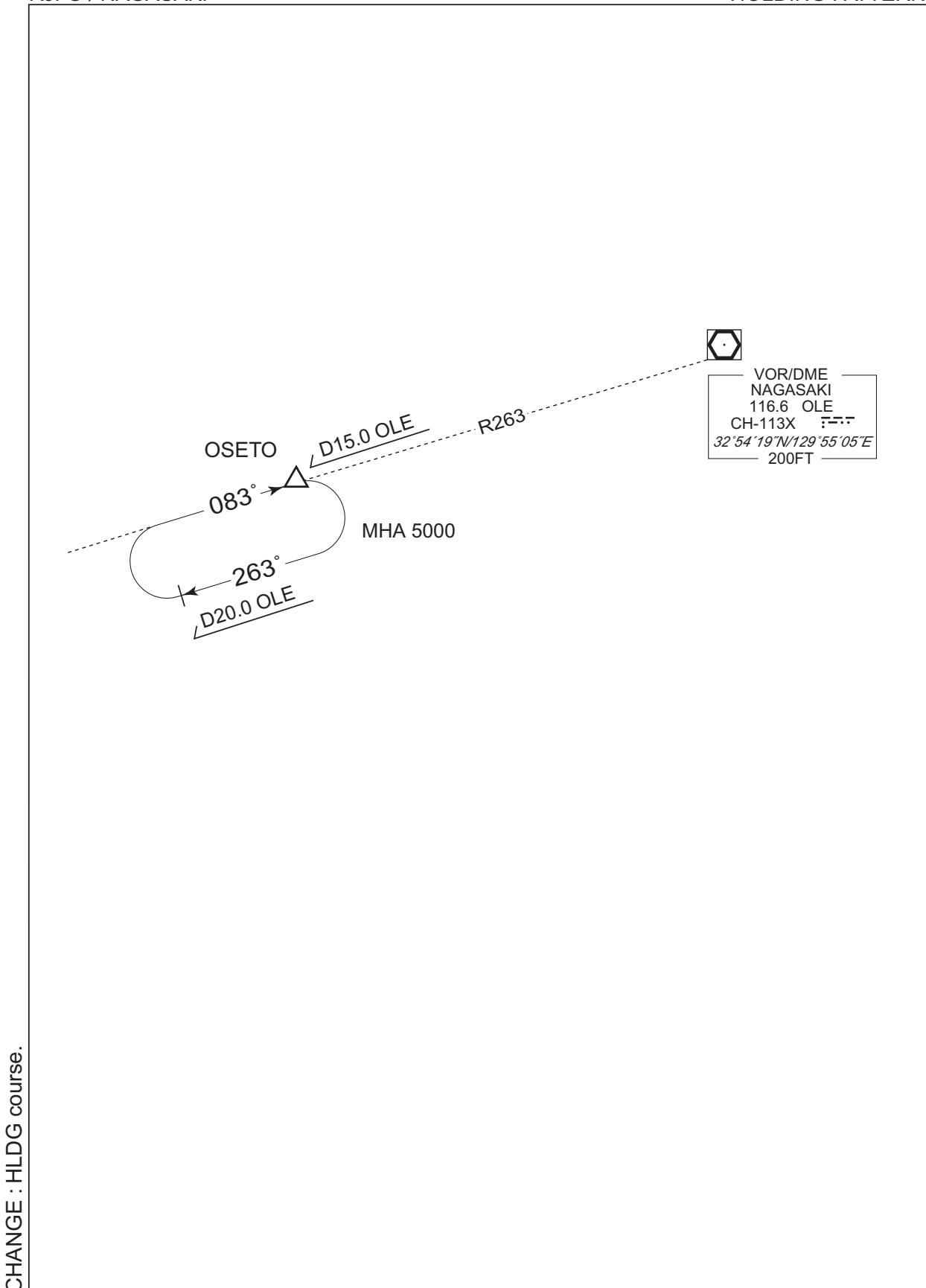


Call sign	BRG / DIST from ARP	Remarks
彼杵 Sonogi	005°/ 7.5NM	JR駅 JR Station
長田 Nagata	118°/ 9.4NM	不知火橋 Bridge
鈴田 Suzuta	120°/ 4.3NM	九州自動車道と国道34号線の交点 Intersection
時津 Tokitsu	219°/ 6.0NM	時津港 Harbor
堂崎 Dozaki	227°/ 2.7NM	堂崎鼻 A point of land
三重 Mie	240°/11.0NM	三重崎 A point of land
鷹島 Takashima	251°/ 5.4NM	鷹島 Island
二島 Futashima	252°/ 3.2NM	二島 Island
西彼 Seihi	307°/ 9.2NM	オランダ村 Windmill
川棚 Kawatana	350°/ 9.3NM	JR駅 JR Station



RJFU / NAGASAKI

HOLDING PATTERN

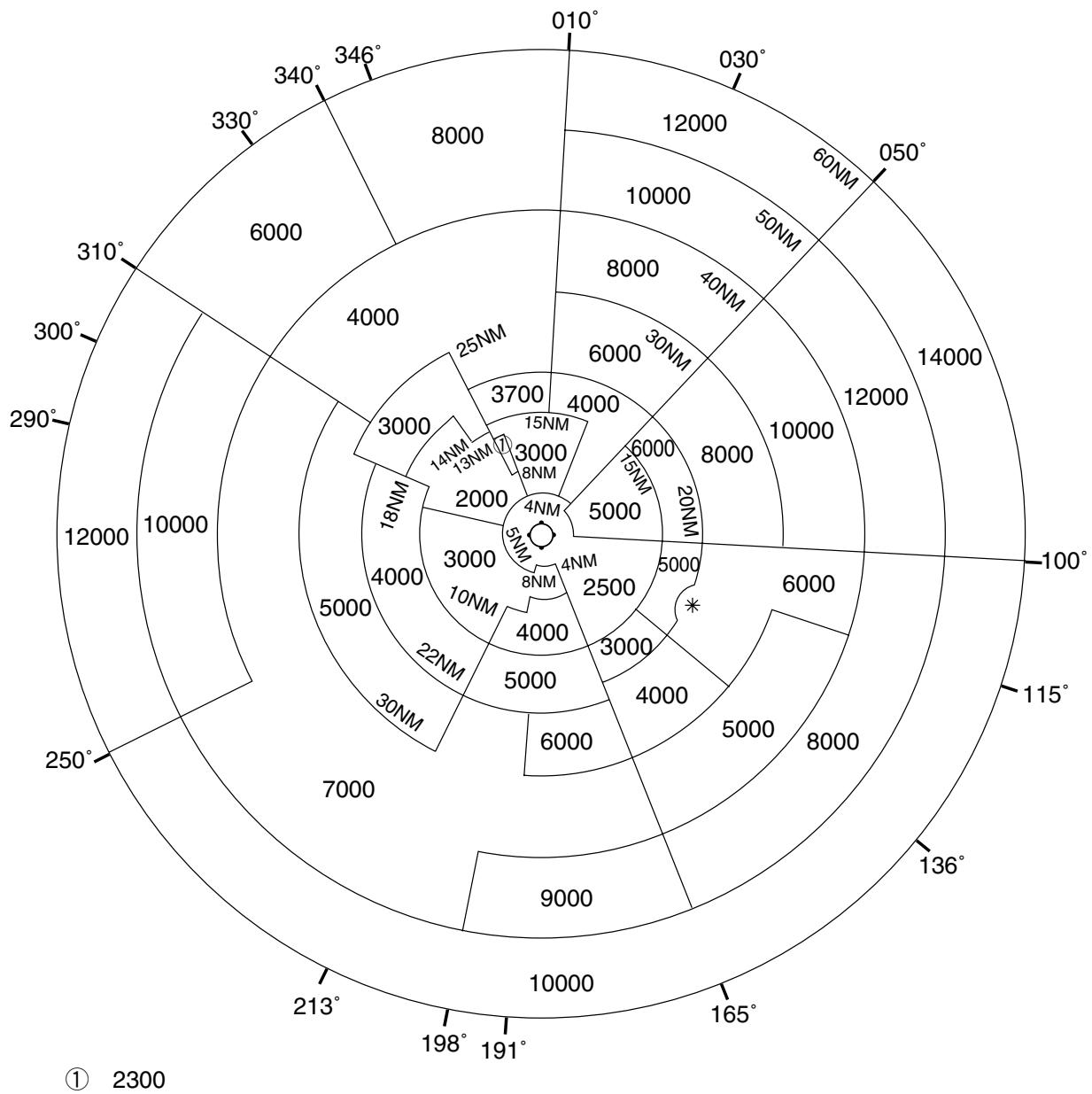


CHANGE : HLDG course.

RJFU / NAGASAKI

Minimum Vectoring Altitude CHART

VAR 7°W (2011)



CENTER : 325458N/1295428E (RADAR SITE)

* : 324540N/1301756E RADIUS : 3NM