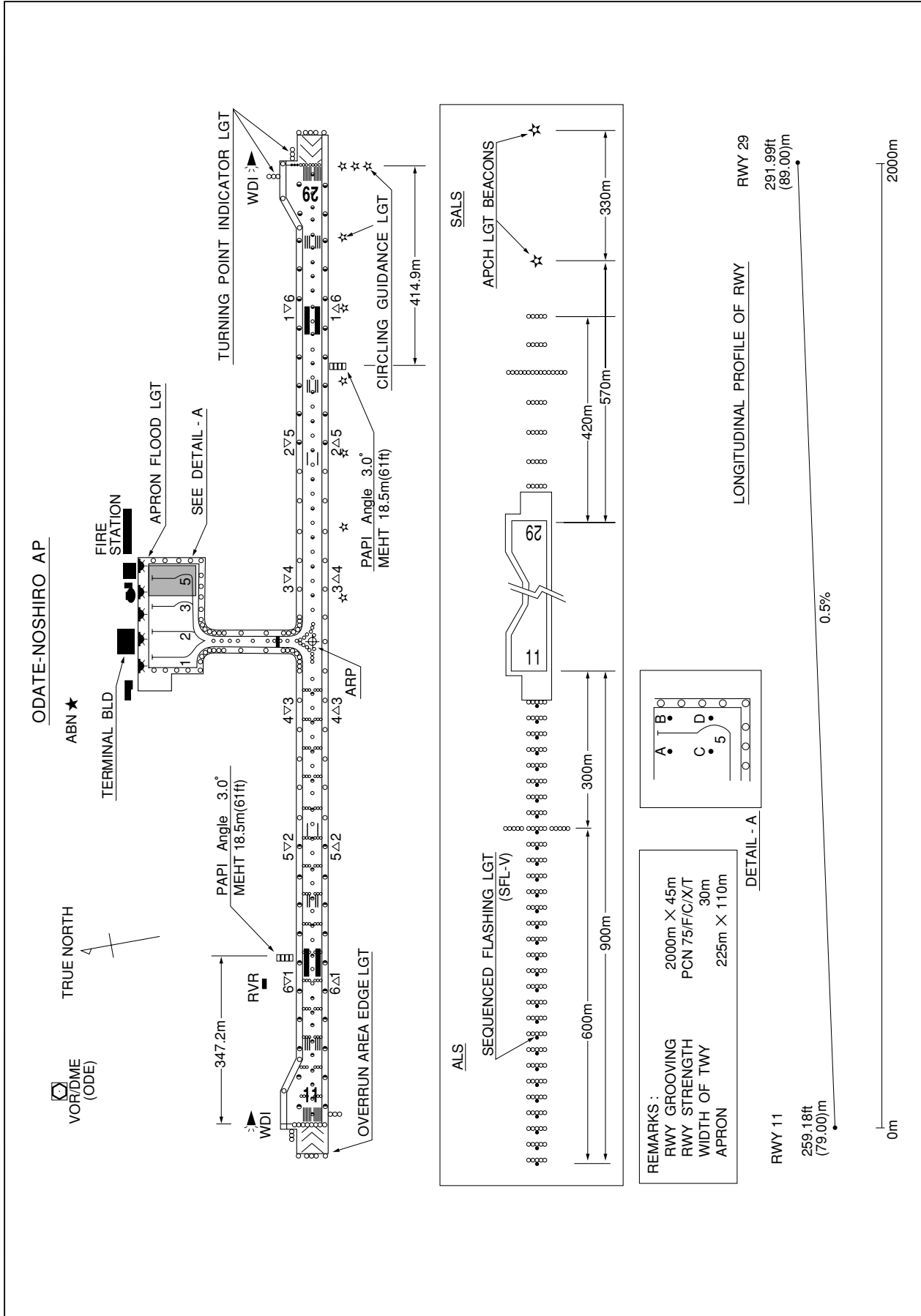


RJSR / ODATE-NOSHIRO

AD CHART



STANDARD DEPARTURE CHART -INSTRUMENT

RJSR / ODATE-NOSHIRO

SID

ODATE REVERSAL TWO DEPARTURE

RWY11 : Climb RWY HDG to 1800FT, turn right HDG332° to intercept and proceed...

RWY29 : Climb RWY HDG to ODE 3.0DME,...

...via ODE R287 to 6.0DME, turn left, direct to ODE VOR/DME.

Cross ODE VOR/DME at or above 6000FT.

Note RWY11 : 5.0% climb gradient required up to 1800FT.

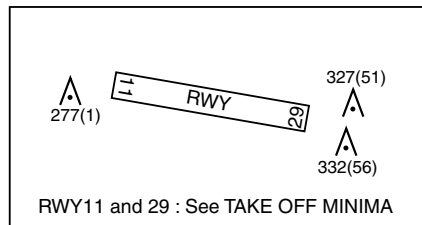
OBST ALT 1313FT located at 4.3NM 093° FM end of RWY11.

OBST ALT 2100FT located at 9.5NM 137° FM end of RWY11.

RWY29 : 4.0% climb gradient required up to 700FT.

OBST ALT 656FT located at 2.1NM 276° FM end of RWY29.

ODATE REVERSAL TWO DEPARTURE



## STANDARD DEPARTURE CHART -INSTRUMENT

RJSR / ODATE-NOSHIRO

SID

LAGOON THREE DEPARTURE

RWY11 : Climb RWY HDG to 1800FT, turn right HDG332° to intercept and proceed...

RWY29 : Climb RWY HDG to ODE 3.0DME,...

...via ODE R287 to NOSSY, turn left, via UWE R360 to UWE VOR/DME.

Cross NOSSY at or above 3000FT.

Note RWY11 : 5.0% climb gradient required up to 1800FT.

OBST ALT 1313FT located at 4.3NM 093° FM end of RWY11.

OBST ALT 2100FT located at 9.5NM 137° FM end of RWY11.

RWY29 : 4.0% climb gradient required up to 700FT.

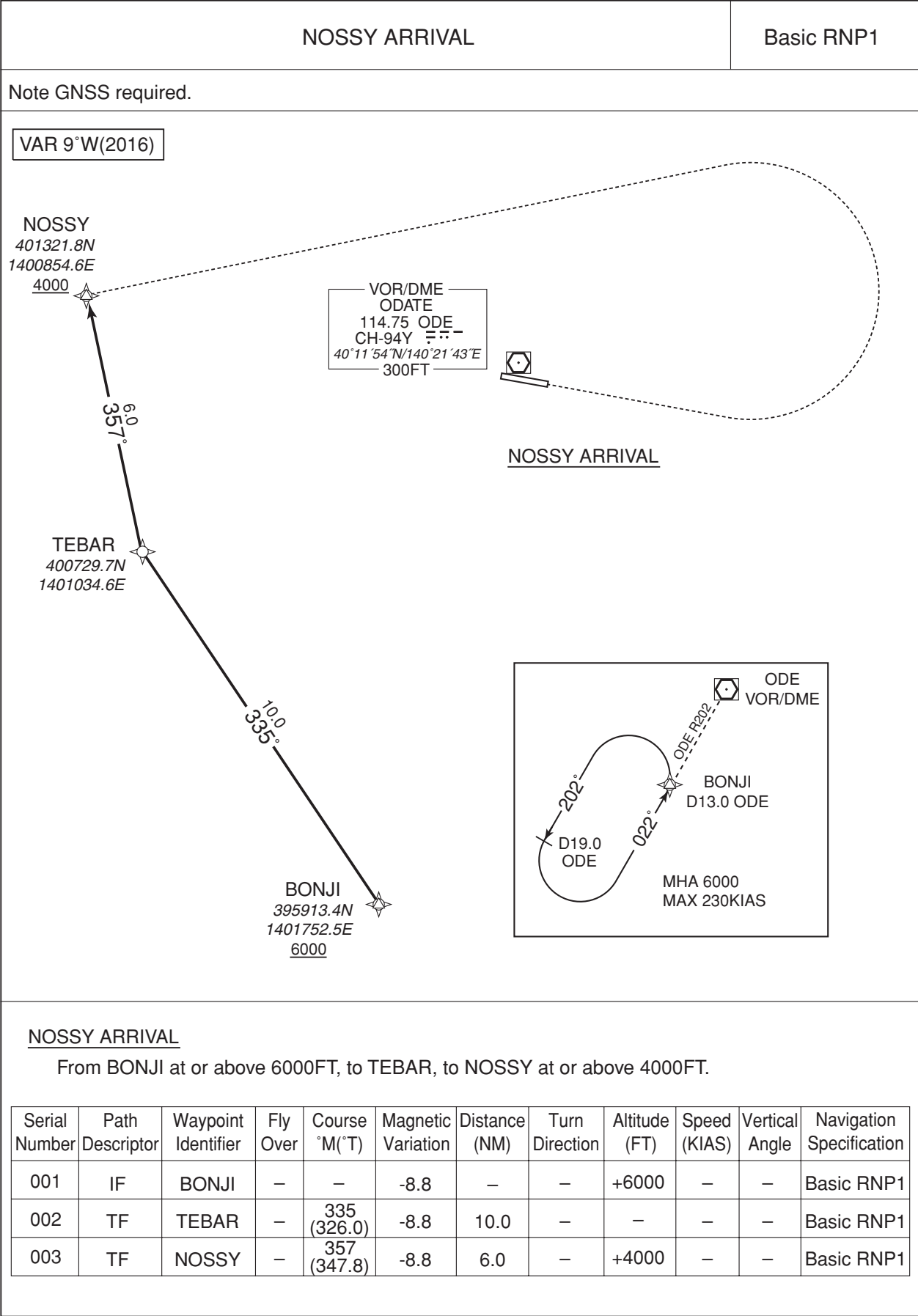
OBST ALT 656FT located at 2.1NM 276° FM end of RWY29.

LAGOON THREE DEPARTURE

STANDARD ARRIVAL CHART - INSTRUMENT

RJSR / ODATE-NOSHIRO

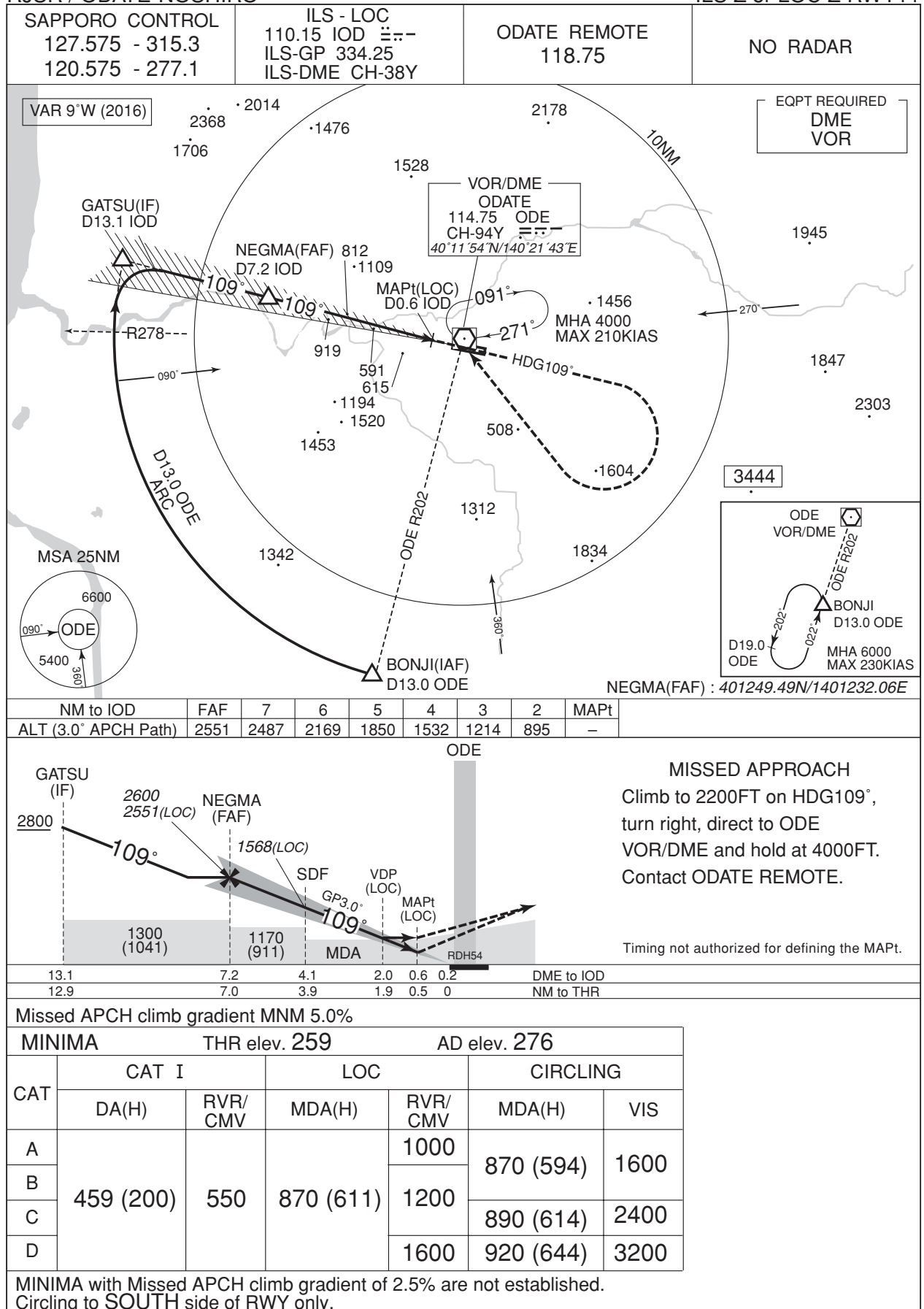
RNAV STAR RWY29



INSTRUMENT APPROACH CHART

RJSR / ODATE-NOSHIRO

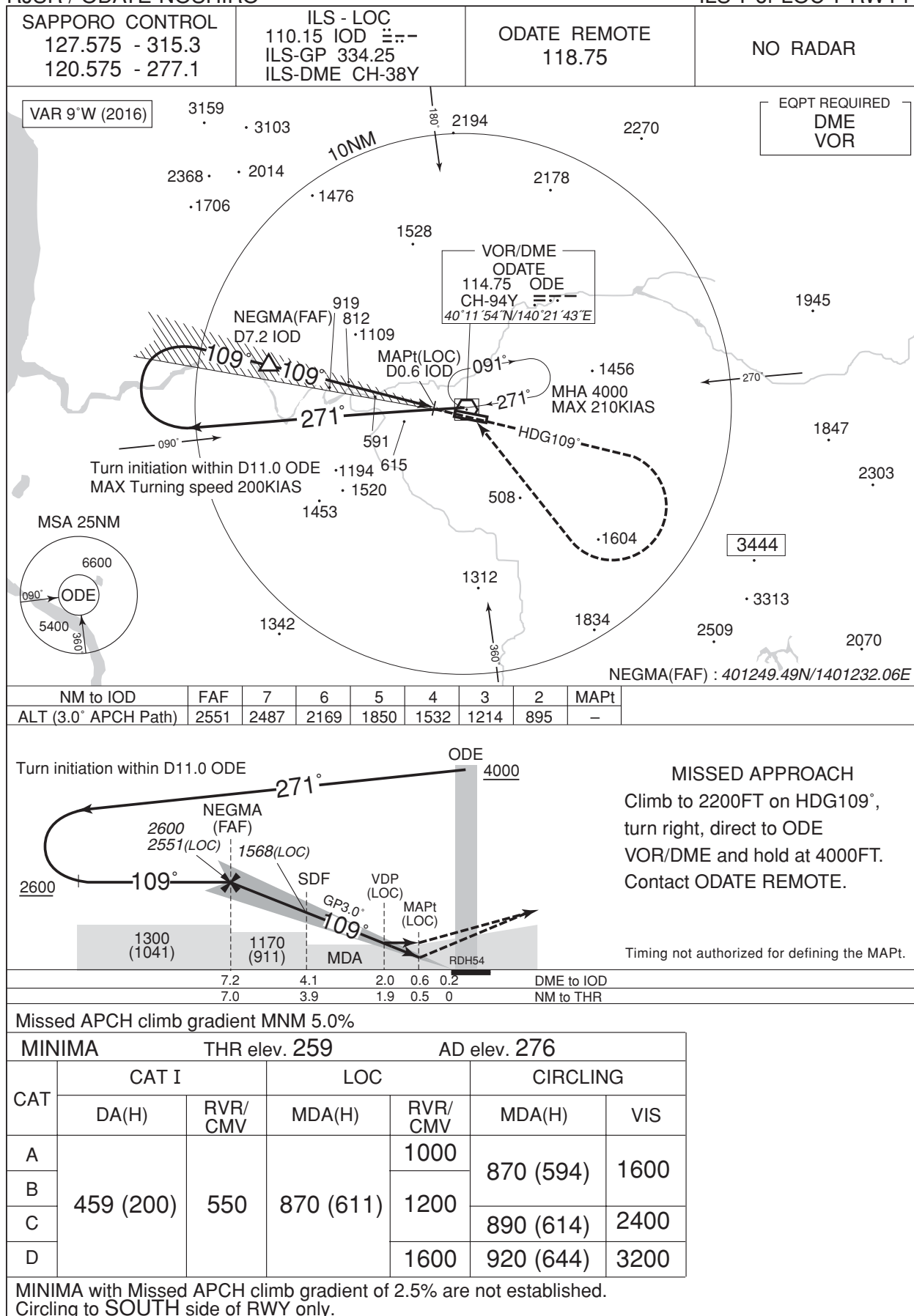
ILS Z or LOC Z RWY11



## INSTRUMENT APPROACH CHART

RJSR / ODATE-NOSHIRO

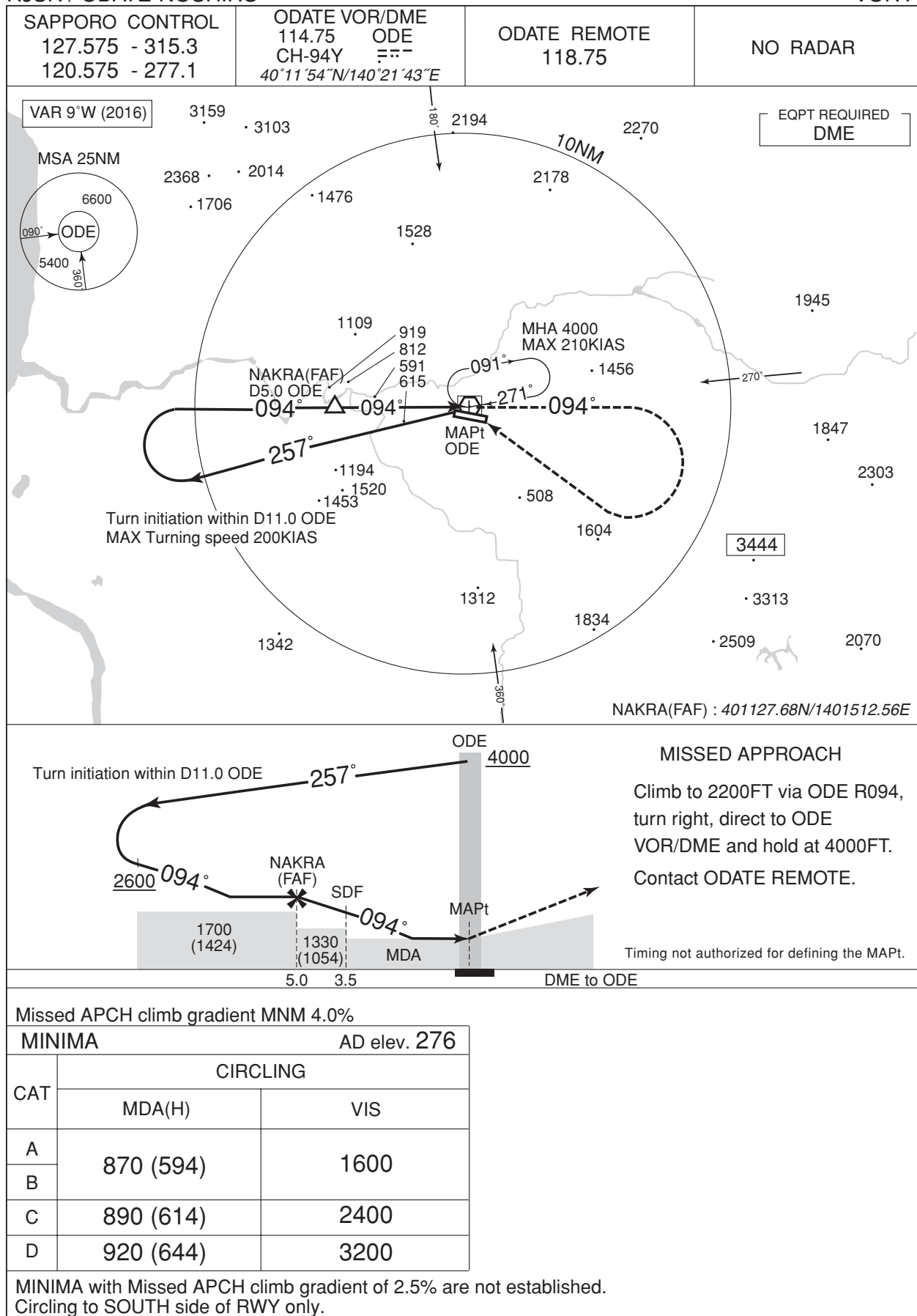
ILS Y or LOC Y RWY11



INSTRUMENT APPROACH CHART

RJSR / ODATE-NOSHIRO

VOR A



## INSTRUMENT APPROACH CHART

RJSR / ODATE-NOSHIRO

RNAV(RNP) Z RWY29

SAPPORO CONTROL  
127.575 - 315.3  
120.575 - 277.1

GNSS and RF required.

ODATE REMOTE  
118.75

NO RADAR

For uncompensated Baro-VNAV systems, procedure not authorized below -15°C / above 45°C

VAR 8°W (2011)

NOT TO SCALE

NOSSY  
(MAHF)

D9.9 ODE

VOR/DME

ODATE

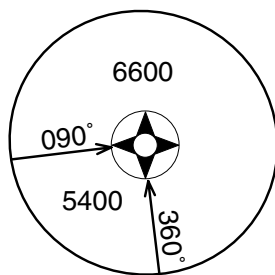
114.75 ODE

CH-94Y

40°11'54"N/140°21'43"E

MHA4000  
MAX 230KIAS

MSA RW29 25NM

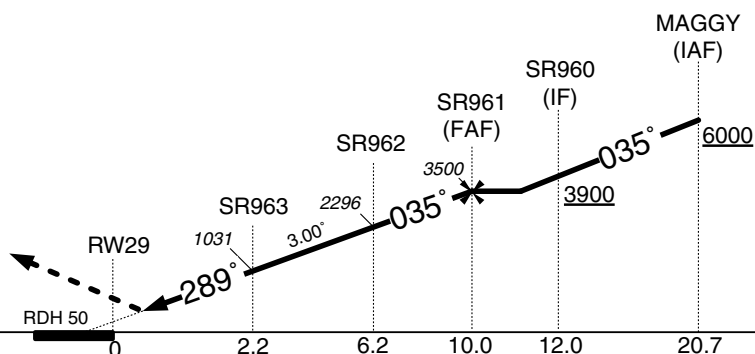


SR961(FAF) : 400434.91N/1402536.32E

## MISSED APPROACH

Climb to 4000FT, to NOSSY  
and hold.

Contact ODATE REMOTE.



MINIMA THR elev. 292

AD elev. 276

RNP 0.27

RNP 0.30

CAT	DA(H)	CMV	DA(H)	CMV
A	-	-	-	-
B	-	-	-	-
C	592(300)	1400	643(351)	1400
D	-	-	-	-

# RNP AR

Special Authorization Required



## INSTRUMENT APPROACH CHART

RJSR / ODATE-NOSHIRO

RNAV(RNP) Z RWY29

RNAV(RNP) Z RWY29
Coding Table

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course [°M(°T)]	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	VPA/RDH (°/FT)	RNP Value
001	IF	MAGGY	—	—	-8.5	—	—	+6000	—	—	—
002	TF	SR960	—	035 (026.1)	-8.5	8.7	—	+3900	—	—	1.0
003	TF	SR961	—	035 (026.1)	-8.5	2.0	—	3500	—	—	1.0
004	TF	SR962	—	035 (026.1)	-8.5	3.8	—	2296	—	-3.00	0.27 0.30
005	RF Center: SRRF1 r=2.15NM	SR963	—	—	-8.5	4.0	L	1031	—	-3.00	0.27 0.30
006	TF	RW29	Y	289 (280.1)	-8.5	2.2	—	342	—	-3.00/50	0.27 0.30
007	TF	NOSSY	—	289 (280.3)	-8.5	10.9	—	4000	—	—	1.0

Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
MAGGY	395456.61N / 1401926.80E	SRRF1	400855.54N / 1402516.24E
SR960	400247.11N / 1402427.29E		
SR961	400434.91N / 1402536.32E		
SR962	400758.60N / 1402746.93E		
SR963	401102.48N / 1402545.54E		
RW29	401125.10N / 1402258.78E		
NOSSY	401321.82N / 1400854.64E		



INSTRUMENT APPROACH CHART

RJSR / ODATE-NOSHIRO

RNAV(RNP) Y RWY29

RNAV(RNP) Y RWY29

Coding Table

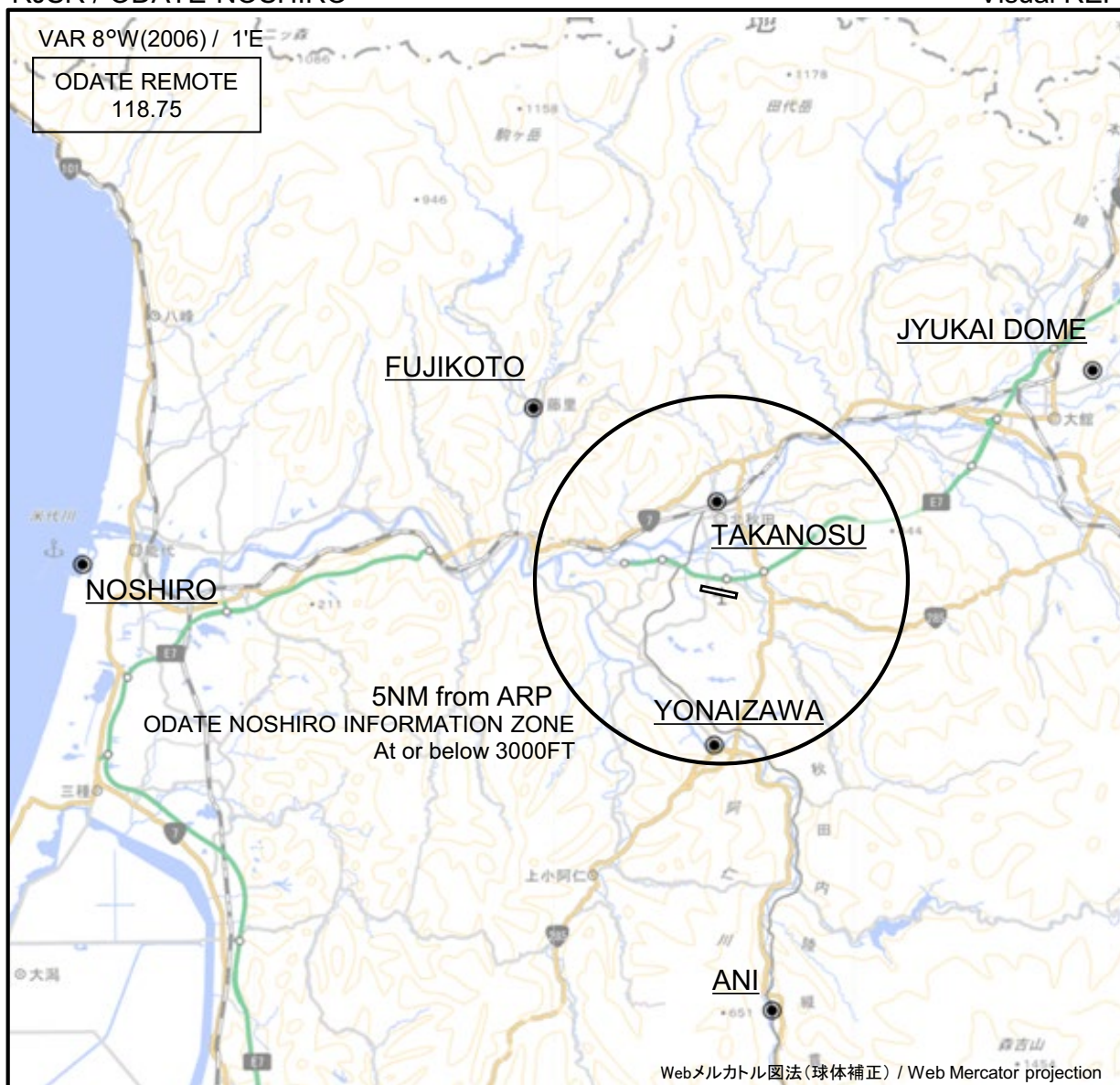
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course [°M(°T)]	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	VPA/RDH (°/FT)	RNP Value
001	IF	NOSSY	—	—	-8.5	—	—	+4000	—	—	—
002	TF	SR950	—	086 (077.7)	-8.5	15.2	—	+3500	-185	—	1.0
003	RF Center: SRRF2 r=3.00NM	SR951	—	—	-8.5	4.9	R	3500	—	—	1.0
004	RF Center: SRRF2 r=3.00NM	SR952	—	—	-8.5	5.7	R	1694	—	-3.00	0.27 0.30
005	TF	RW29	Y	289 (280.1)	-8.5	4.2	—	342	—	-3.00/50	0.27 0.30
006	TF	NOSSY	—	289 (280.3)	-8.5	10.9	—	4000	—	—	1.0

Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
SR950	401634.48N / 1402818.75E	SRRF2	401338.11N / 1402908.01E
SR951	401403.14N / 1403301.06E		
SR952	401040.53N / 1402826.85E		
RW29	401125.10N / 1402258.78E		
NOSSY	401321.82N / 1400854.64E		

RJSR / ODATE-NOSHIRO

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
樹海ドーム Jyukai Dome	058°T / 11.6NM	大館市白色ドーム White Dome Odate City
藤琴 Fujikoto	314°T / 7.2NM	粕毛川・藤琴川交点 Intersection Kasuge and Fujikoto River
鷹巣 Takanosu	357°T / 2.5NM	JR駅北側 North of JR Station
能代 Noshiro	272°T / 17.3NM	能代港 Noshiro Harbor
米内沢 Yonaizawa	183°T / 4.2NM	内陸線米内沢駅南側米内沢橋 Bridge
阿仁 Ani	173°T / 11.6NM	内陸線阿仁合駅 Station

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LDG CHART



RJSR / ODATE-NOSHIRO

Minimum Vectoring Altitude CHART

