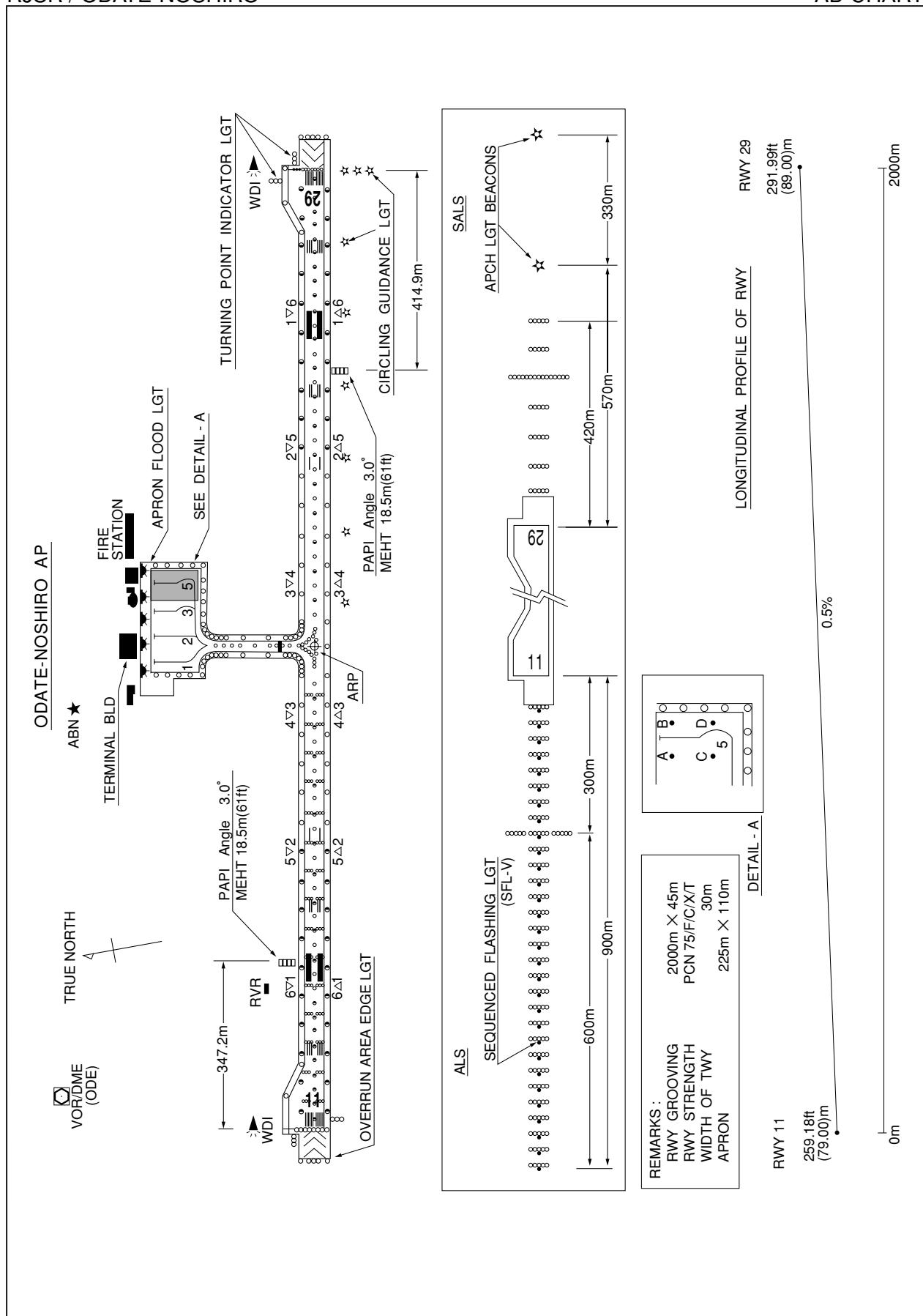


RJSR / ODATE-NOSHIRO

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.

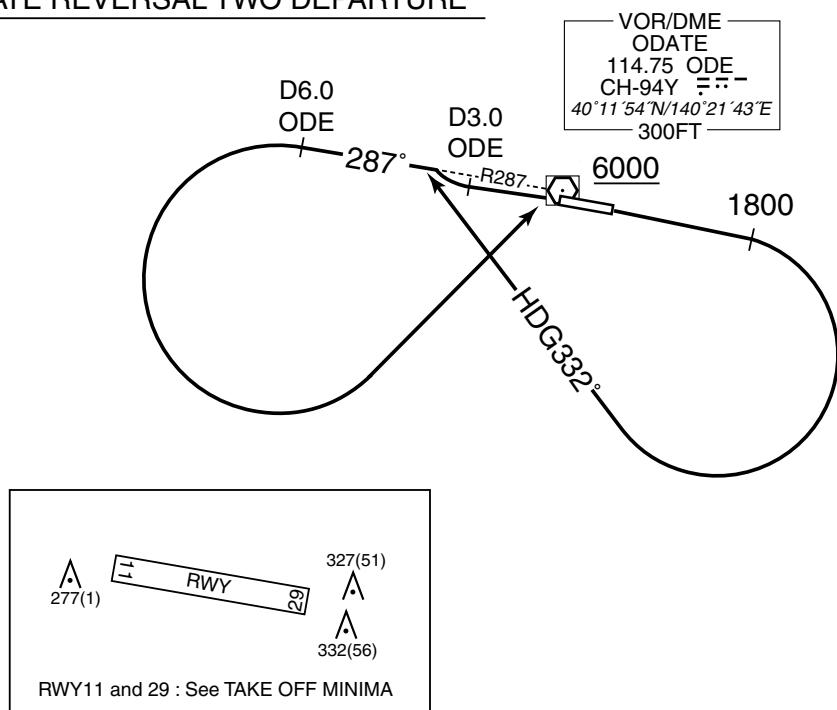
OBST ALT 1313FT located at 4.3NM 093° FM end of RWY11.

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.

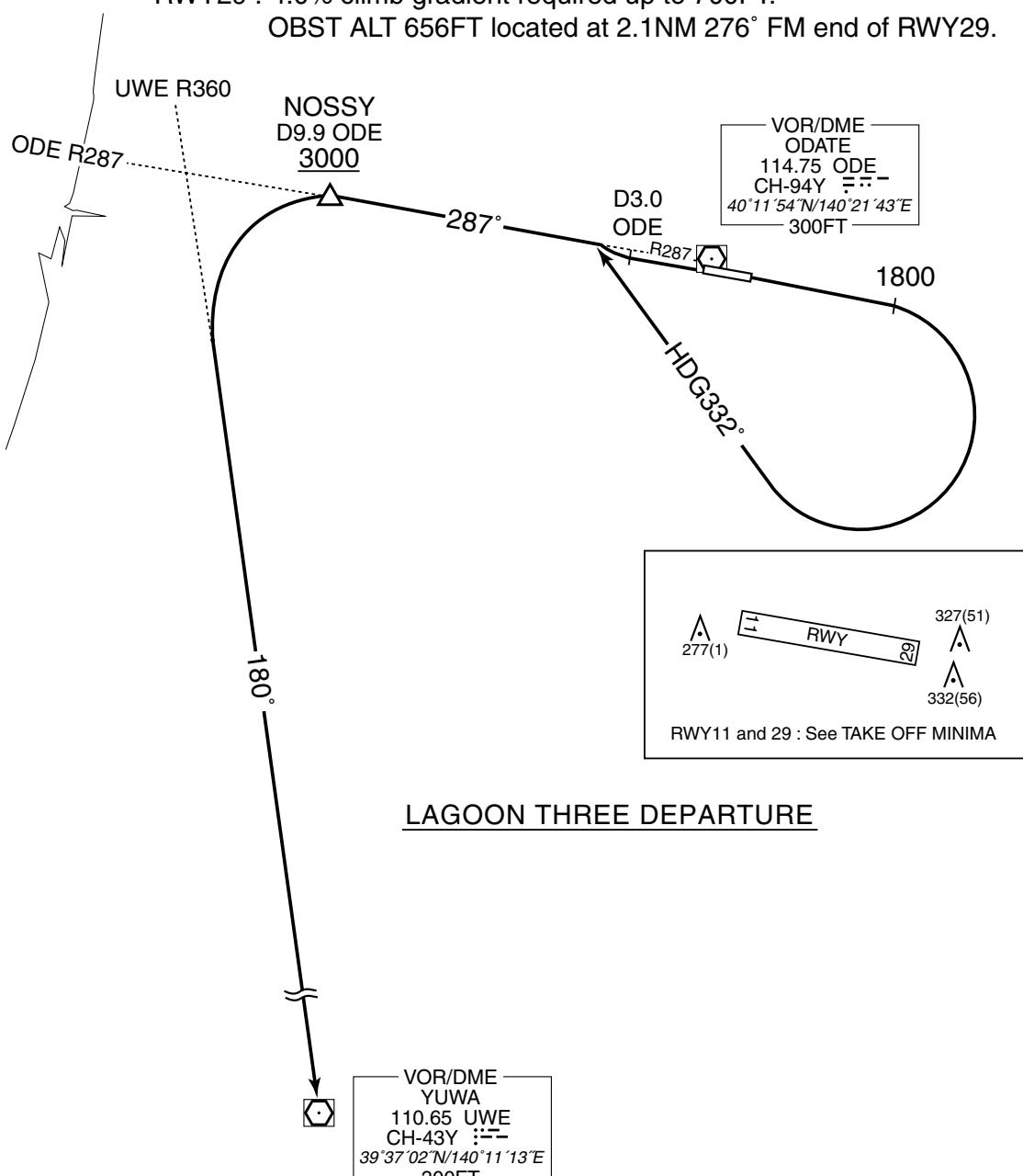
Note RWY11 : 5.0% climb gradient required up to 1800FT.

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.

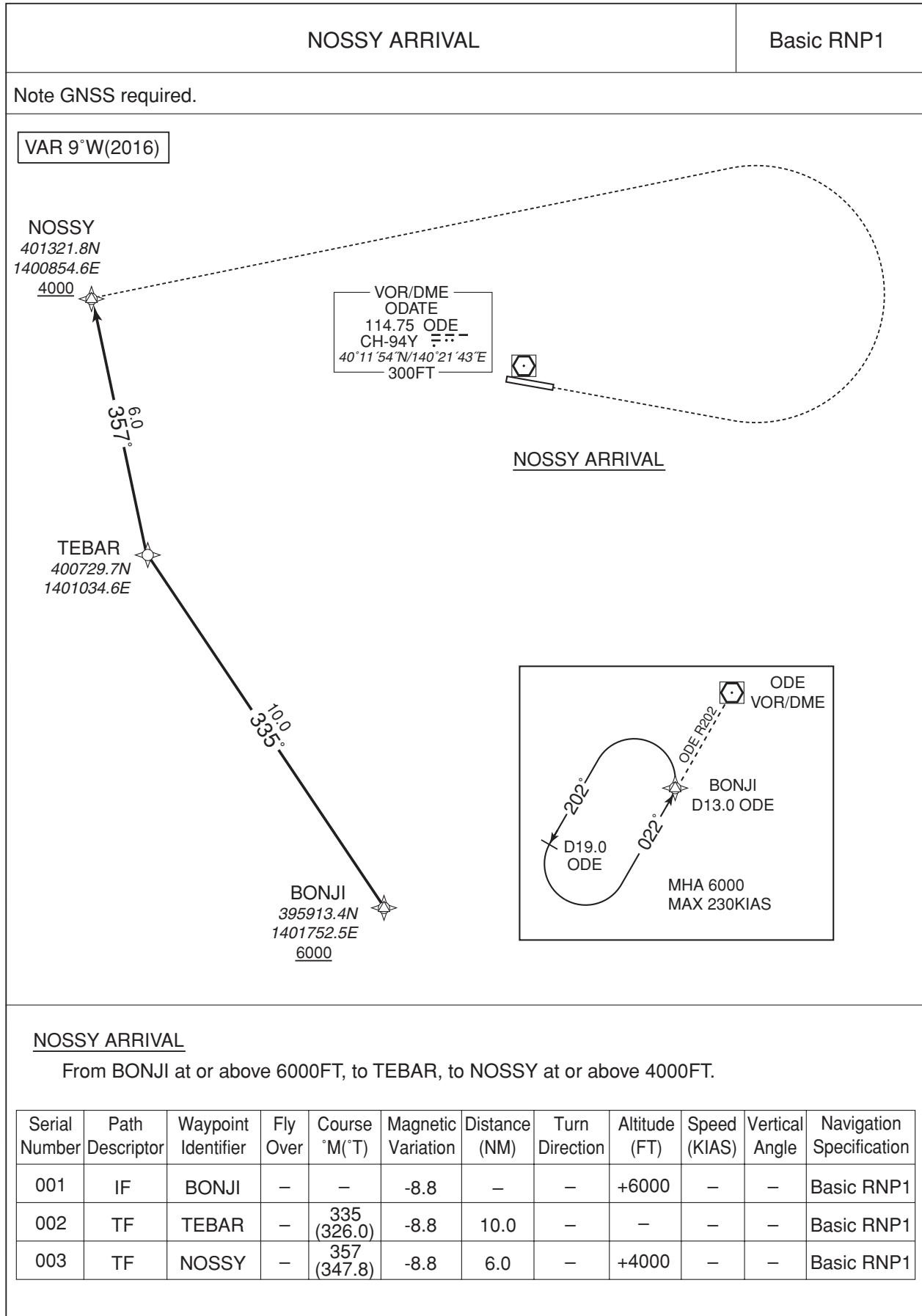
OBST ALT 656FT located at 2.1NM 276° FM end of RWY29.

LAGOON THREE DEPARTURE

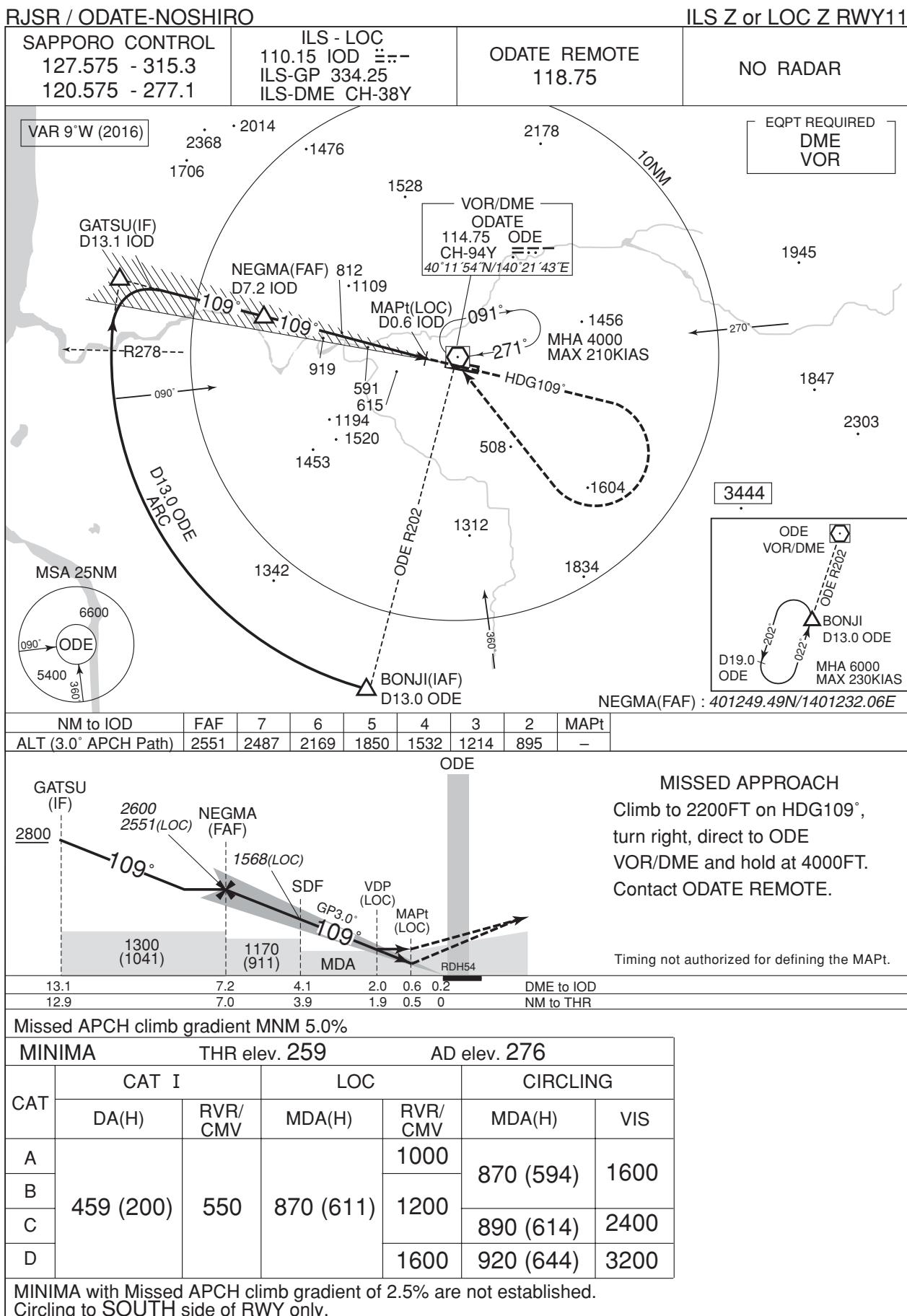
STANDARD ARRIVAL CHART - INSTRUMENT

RJSR / ODATE-NOSHIRO

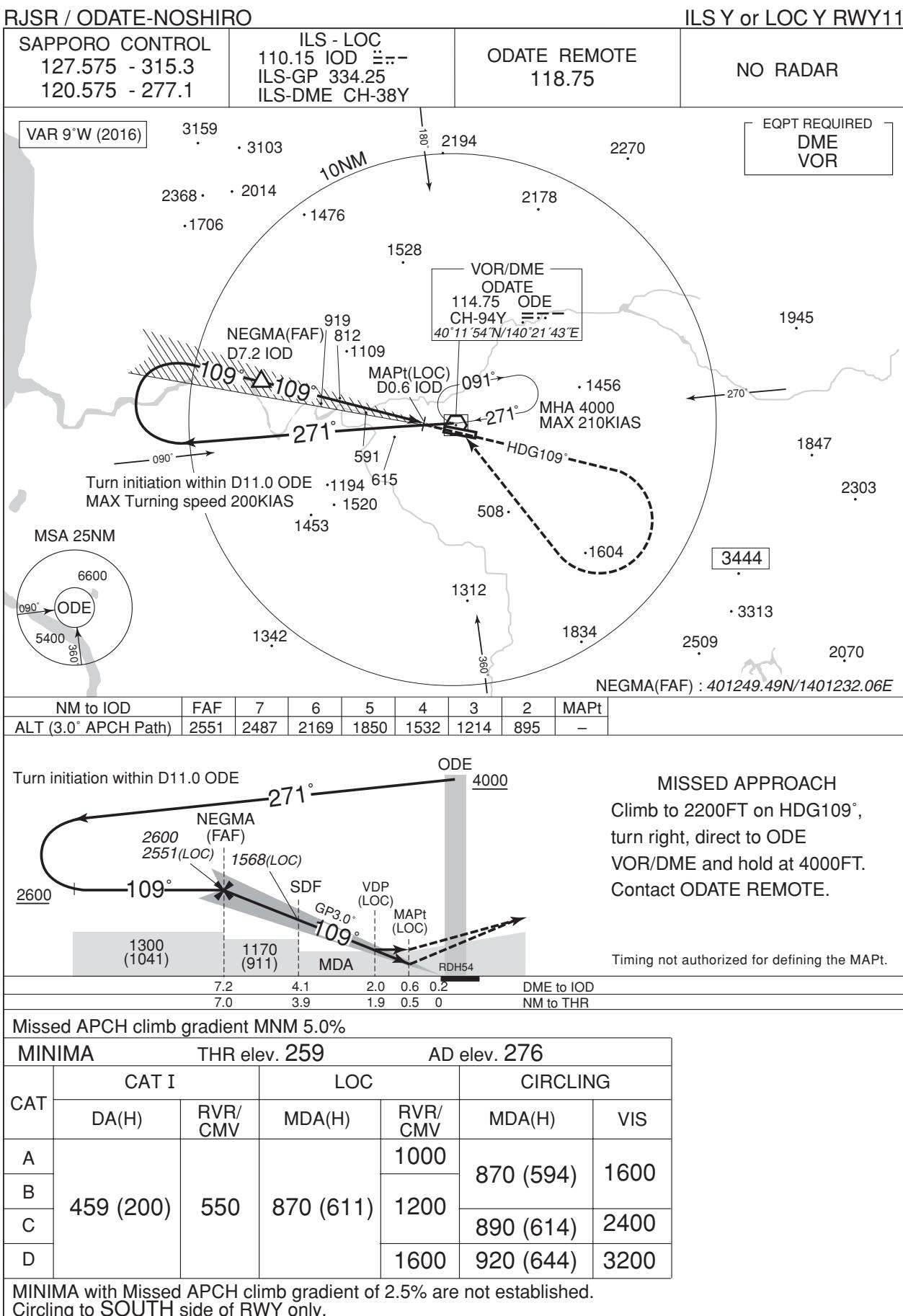
RNAV STAR RWY29



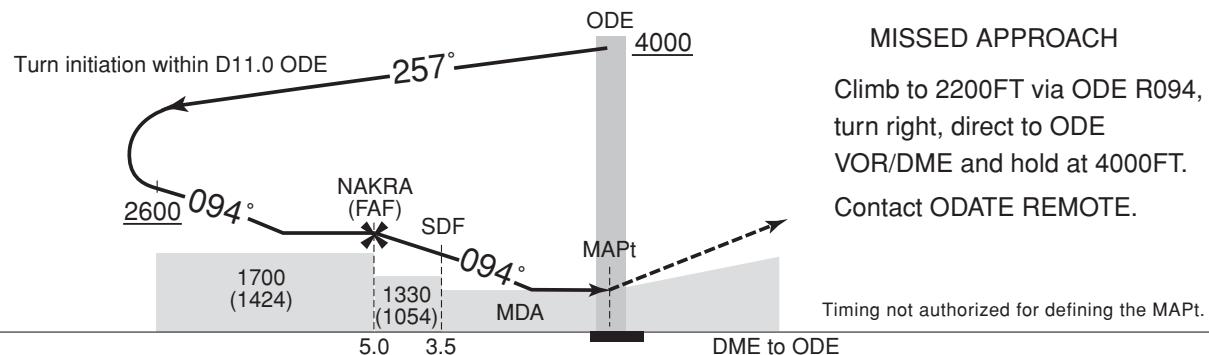
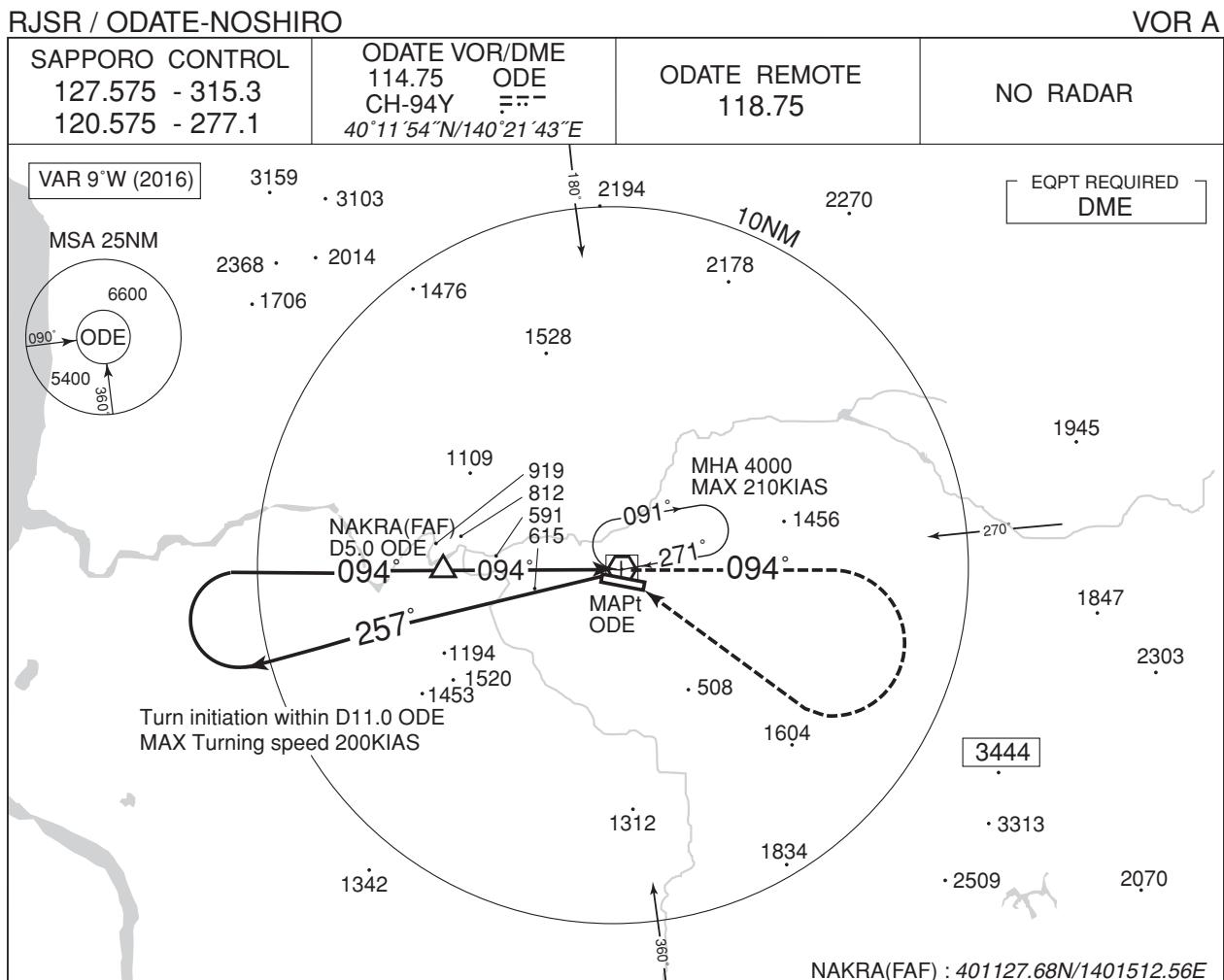
INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

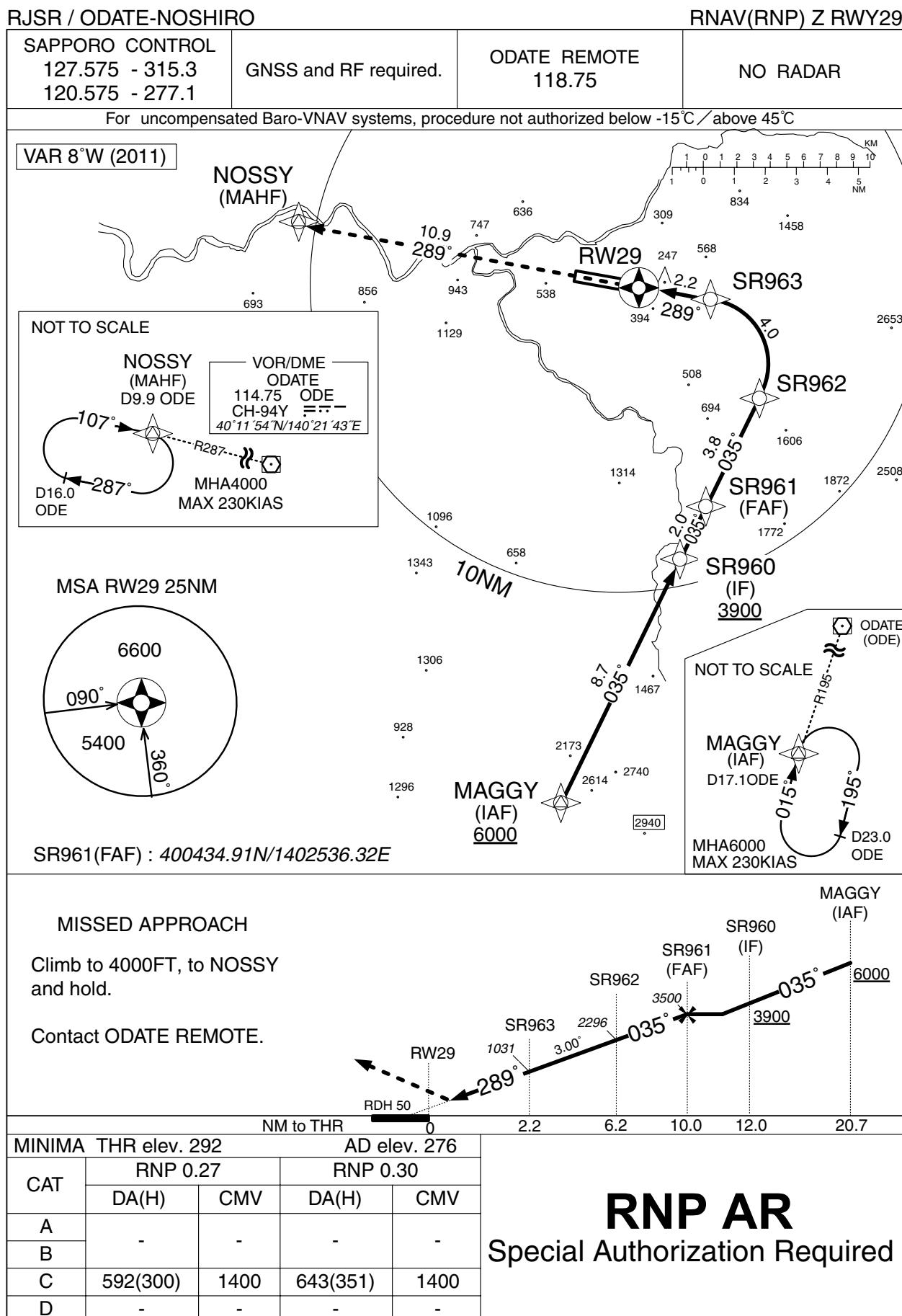


Missed APCH climb gradient MNM 4.0%

MINIMA		AD elev. 276
CAT	CIRCLING	
	MDA(H)	VIS
A	870 (594)	1600
B	890 (614)	2400
C	920 (644)	3200

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

INSTRUMENT APPROACH CHART



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

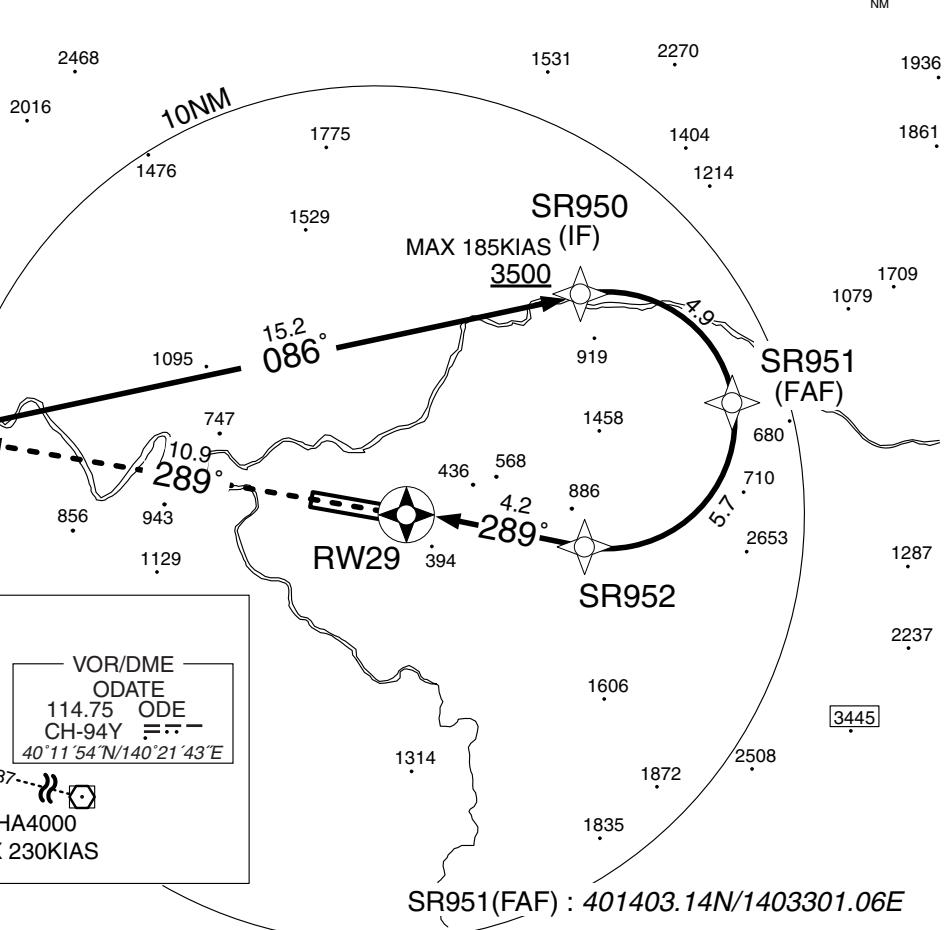
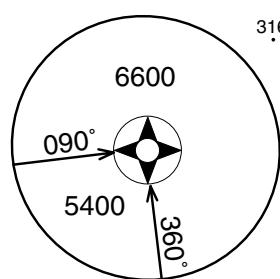
RNAV(RNP) Y RWY29

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			

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

VAR 8°W (2011)

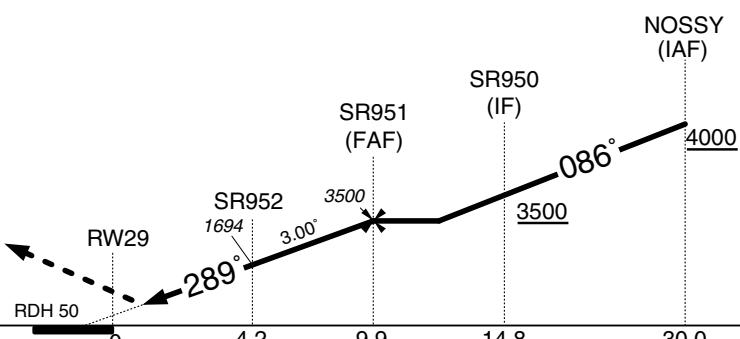
MSA RW29 25NM



MISSED APPROACH

Climb to 4000FT, to NOSSY and hold.

Contact ODATE REMOTE.



MINIMA		THR elev. 292		AD elev. 276	
CAT	RNP 0.27		RNP 0.30		
	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) Y RWY29

RNAV(RNP) Y RWY29

Coding Table

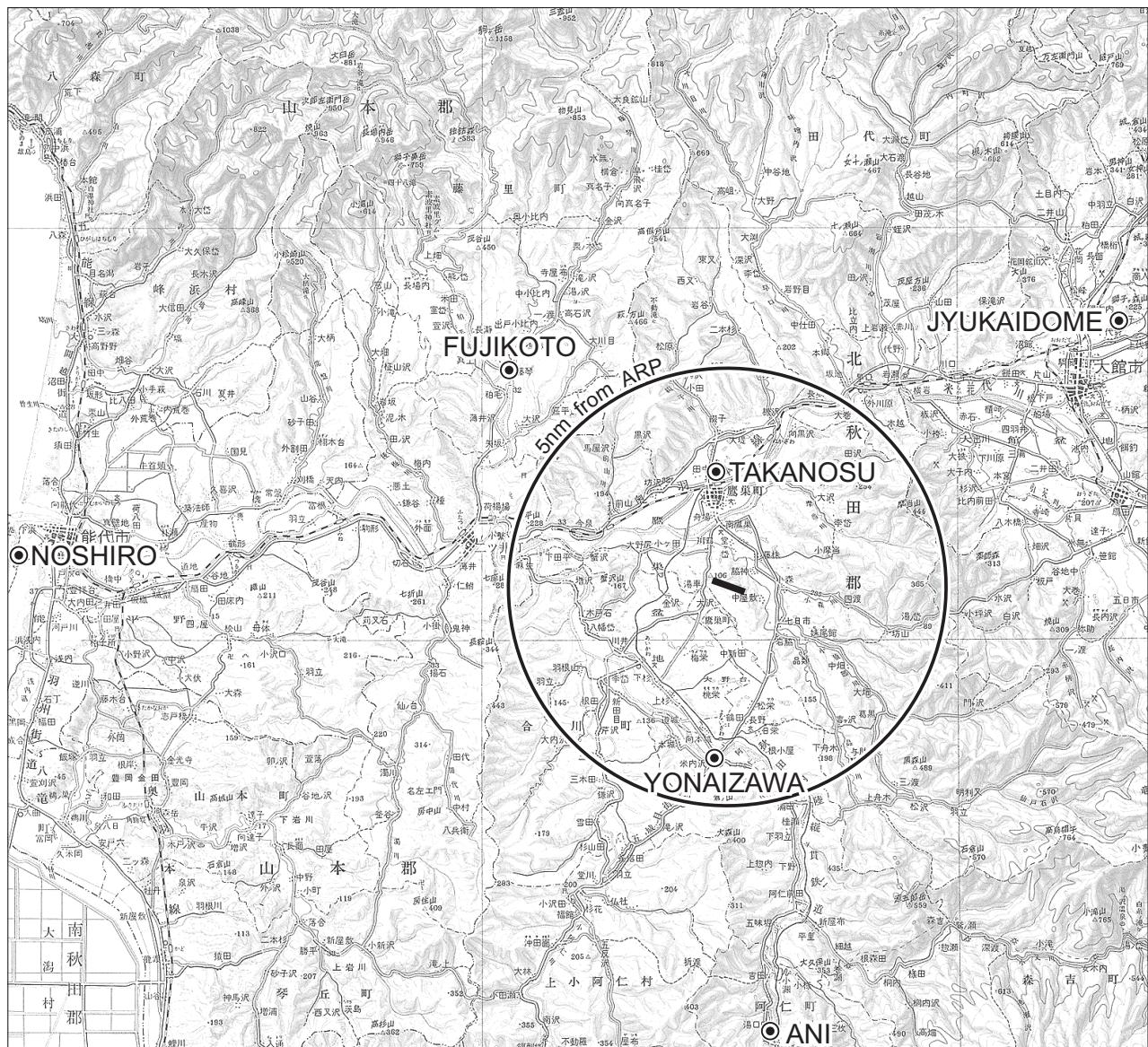
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course [°M(°T)]	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	VPA/RDH (°/FT)	RNP Value
001	IF	NOSSY	—	—	-8.5	—	—	+4000	—	—	—
002	TF	SR950	—	086 (077.7)	-8.5	15.2	—	+3500	-185	—	1.0
003	RF Center: SRRF2 r=3.00NM	SR951	—	—	-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

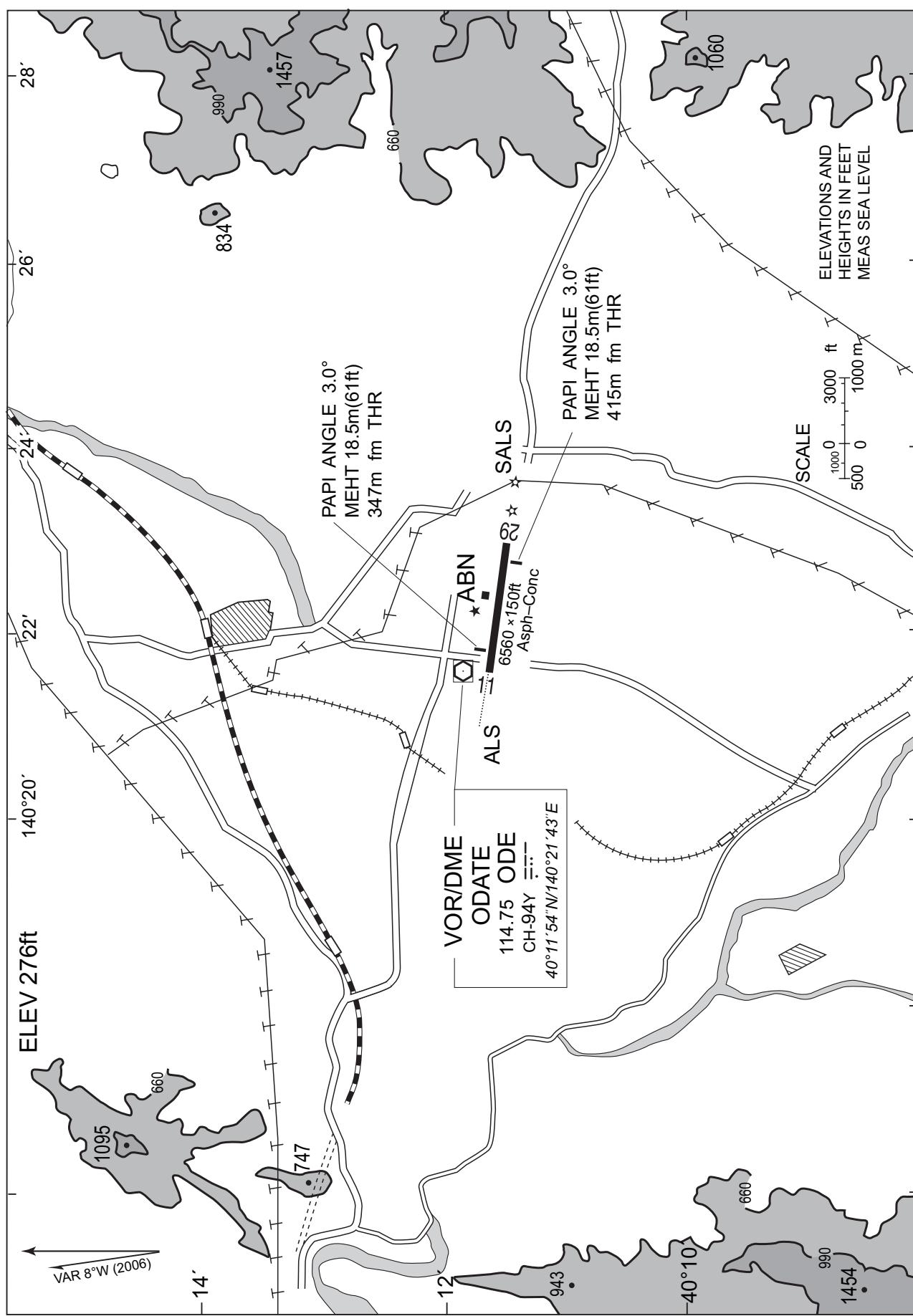
Visual REP



Call sign	BRG / DIST from ARP	Remarks
鷹巣 Takanosu	356°/ 3.0NM	JR駅北側 North of JR Station
藤琴 Fujikoto	316°/ 7.0NM	粕毛川・藤琴川交点 Intersection Kasuge and Fujikoto River
樹海ドーム JyukaiDome	058°/11.9NM	大館市白色ドーム White Dome Odate City
米内沢 Yonaizawa	181°/ 4.2NM	内陸線米内沢駅南側米内沢橋 Bridge
能代 Noshiro	272°/17.4NM	能代港 Noshiro Harbor
阿仁 Ani	173°/11.8NM	内陸線阿仁合駅 Station

RJSR / ODATE-NOSHIRO

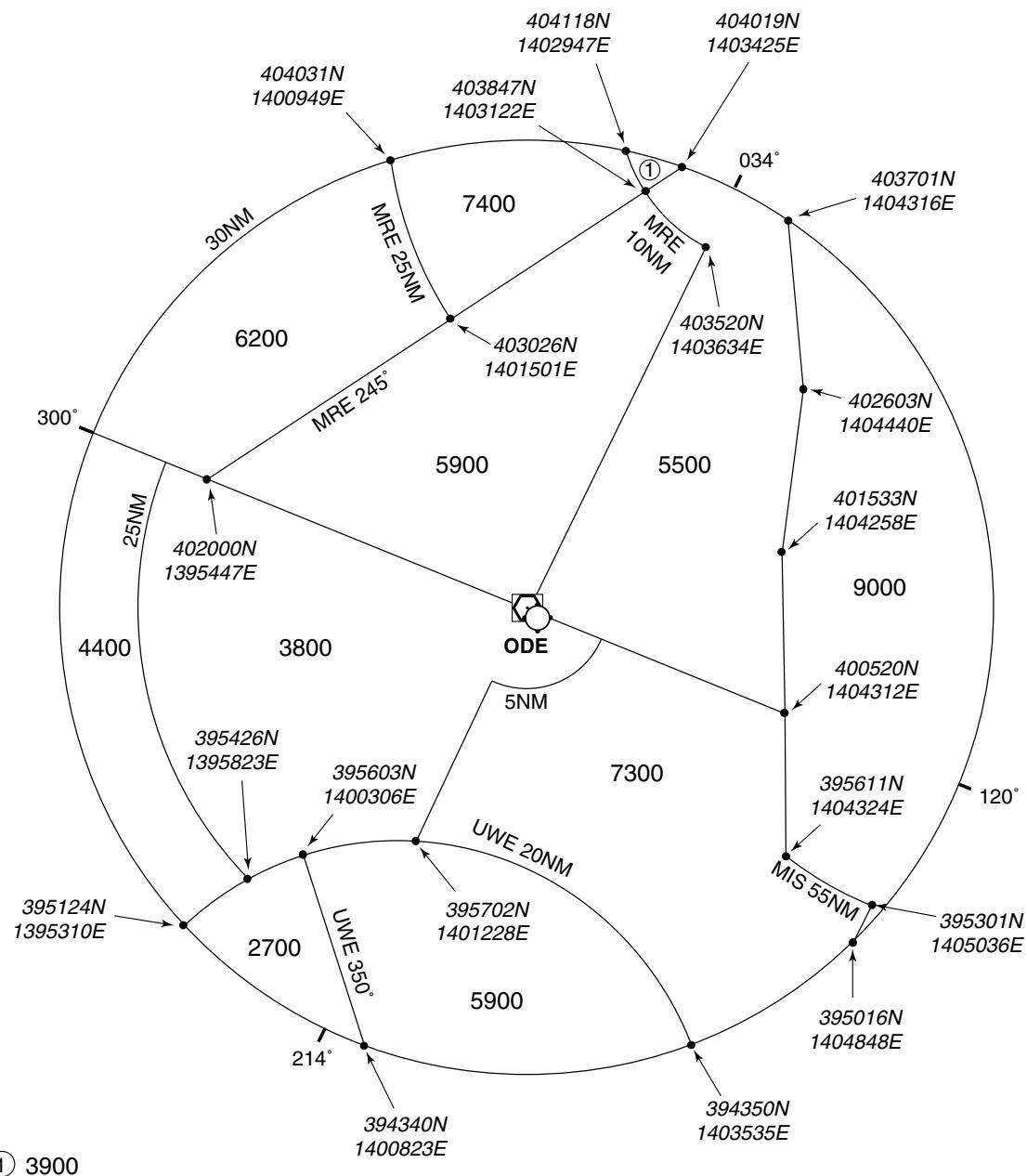
LDG CHART



RJSR / ODATE-NOSHIRO

Minimum Vectoring Altitude CHART

VAR 8°W (1998)



CENTER : 401154N/1402143E (ODE VOR/DME)