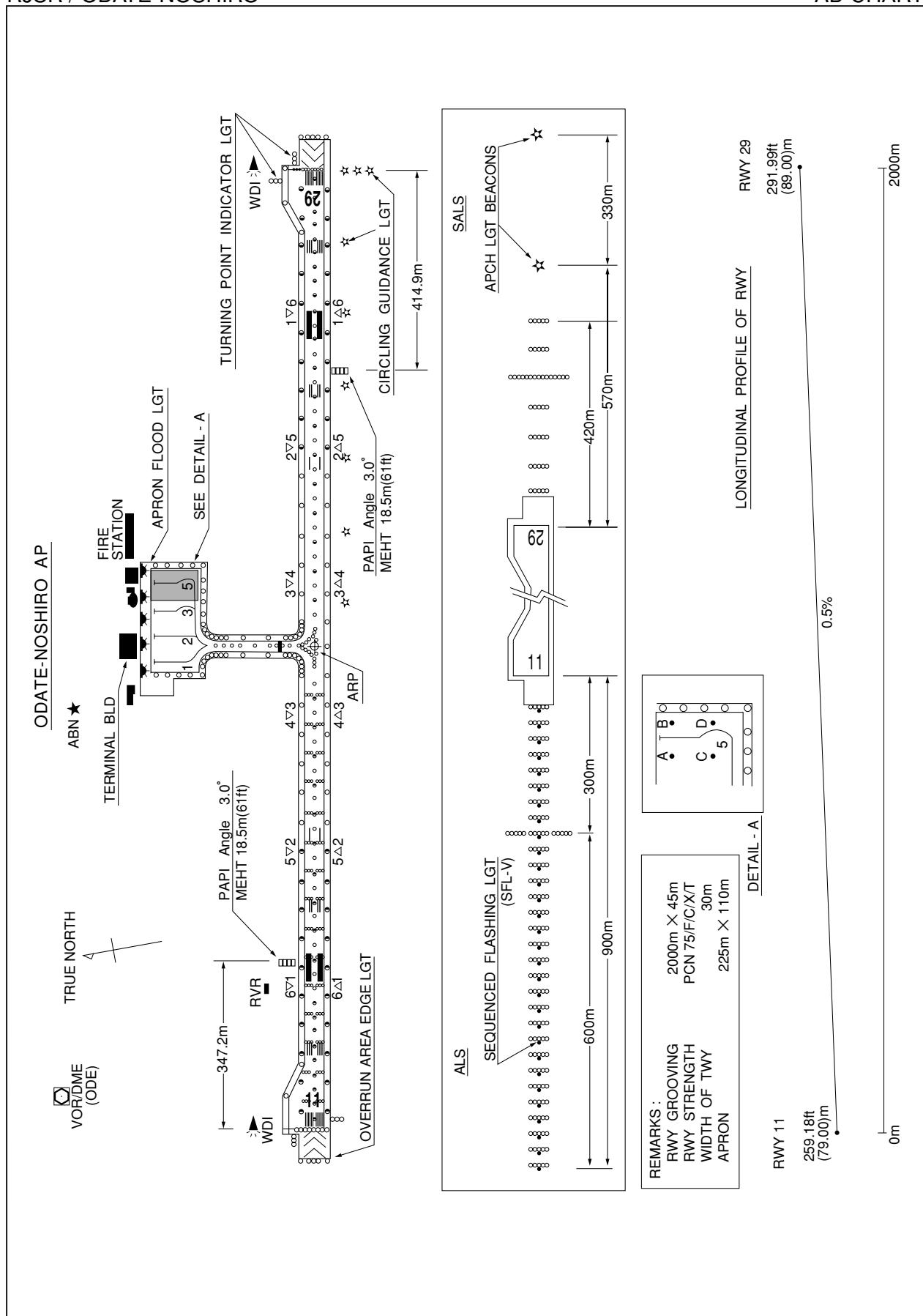


RJSR / ODATE-NOSHIRO

## 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.

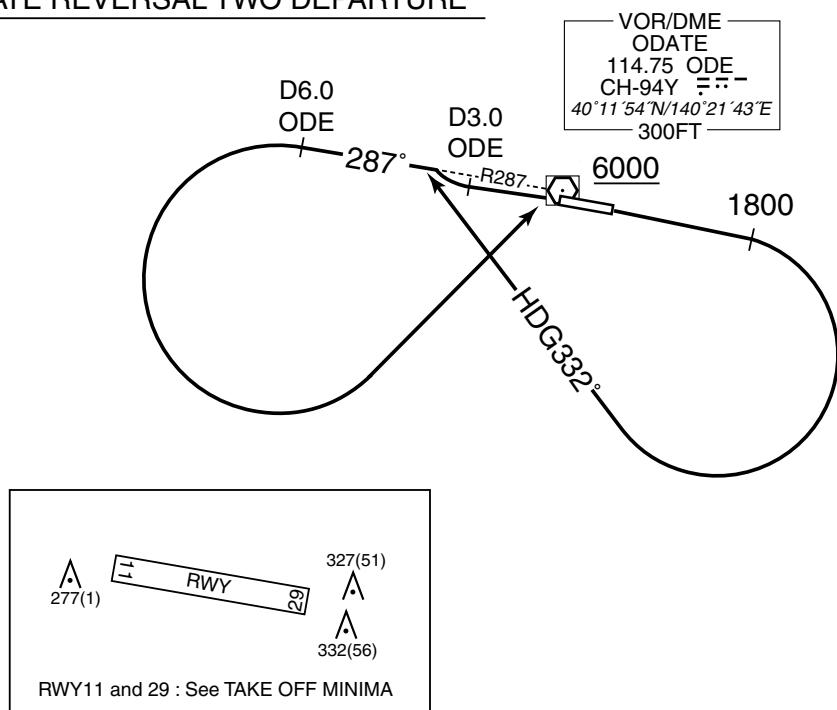
OBST ALT 1313FT located at 4.3NM 093° FM end of RWY11.

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.

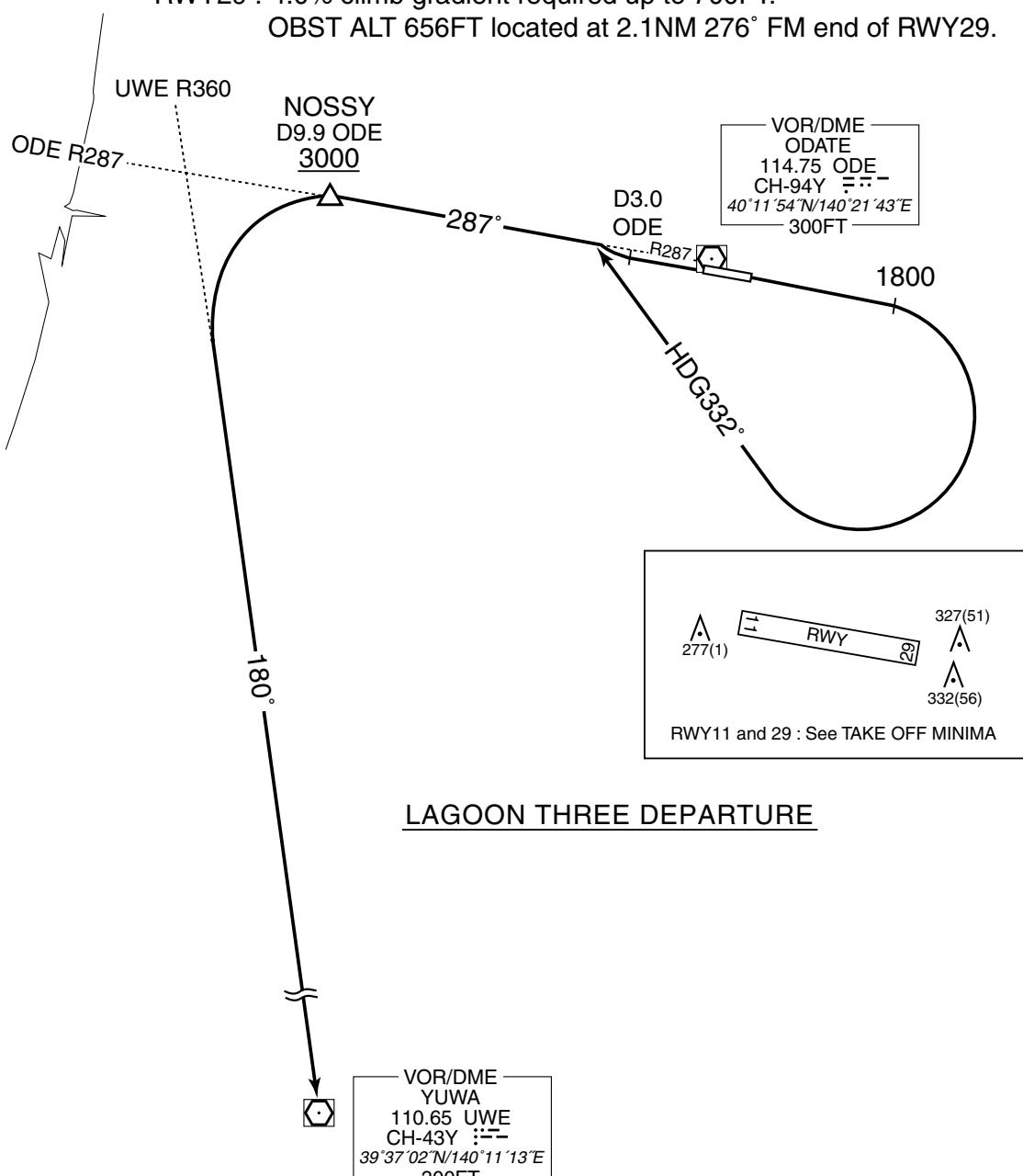
Note RWY11 : 5.0% climb gradient required up to 1800FT.

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.

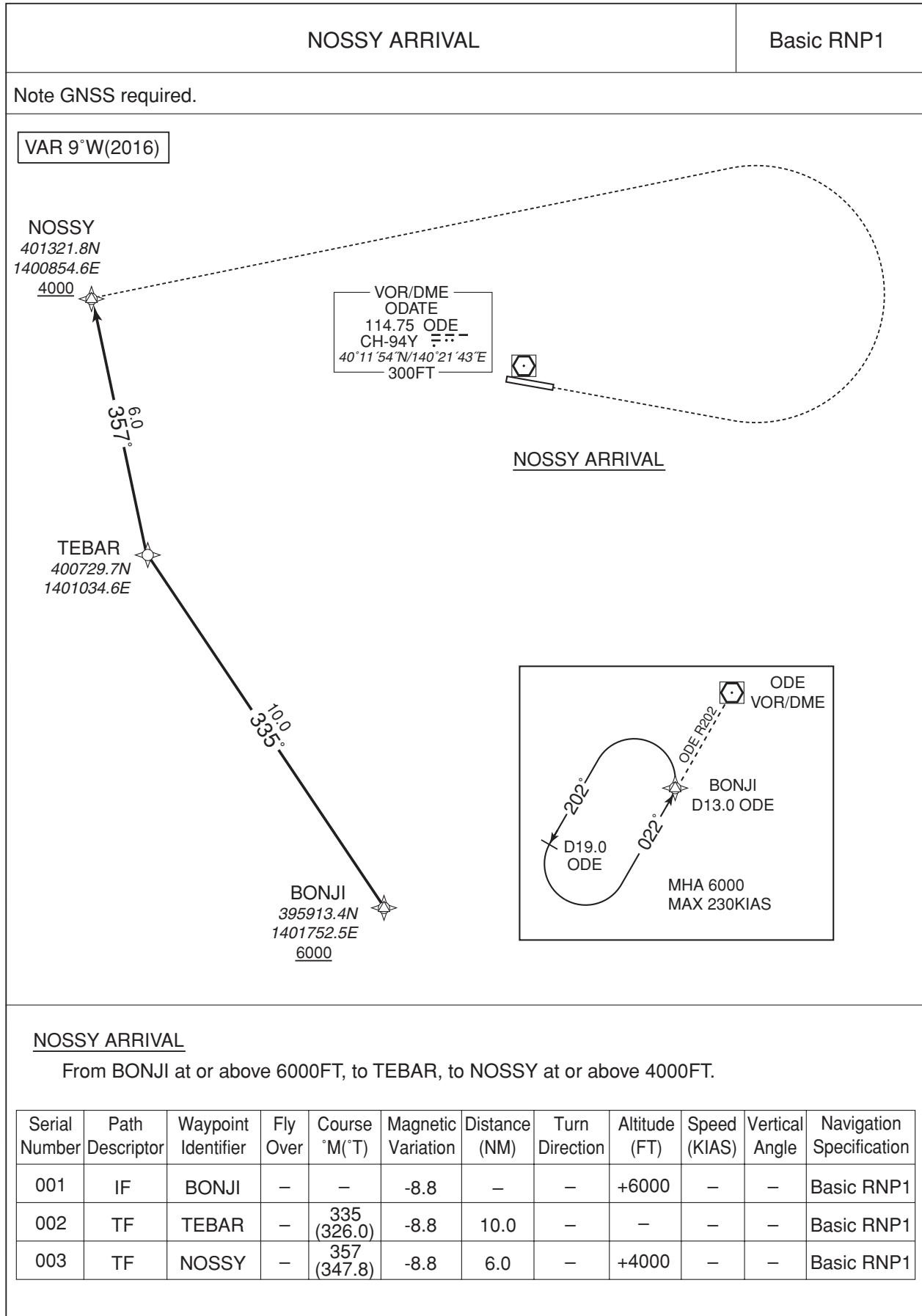
OBST ALT 656FT located at 2.1NM 276° FM end of RWY29.

LAGOON THREE DEPARTURE

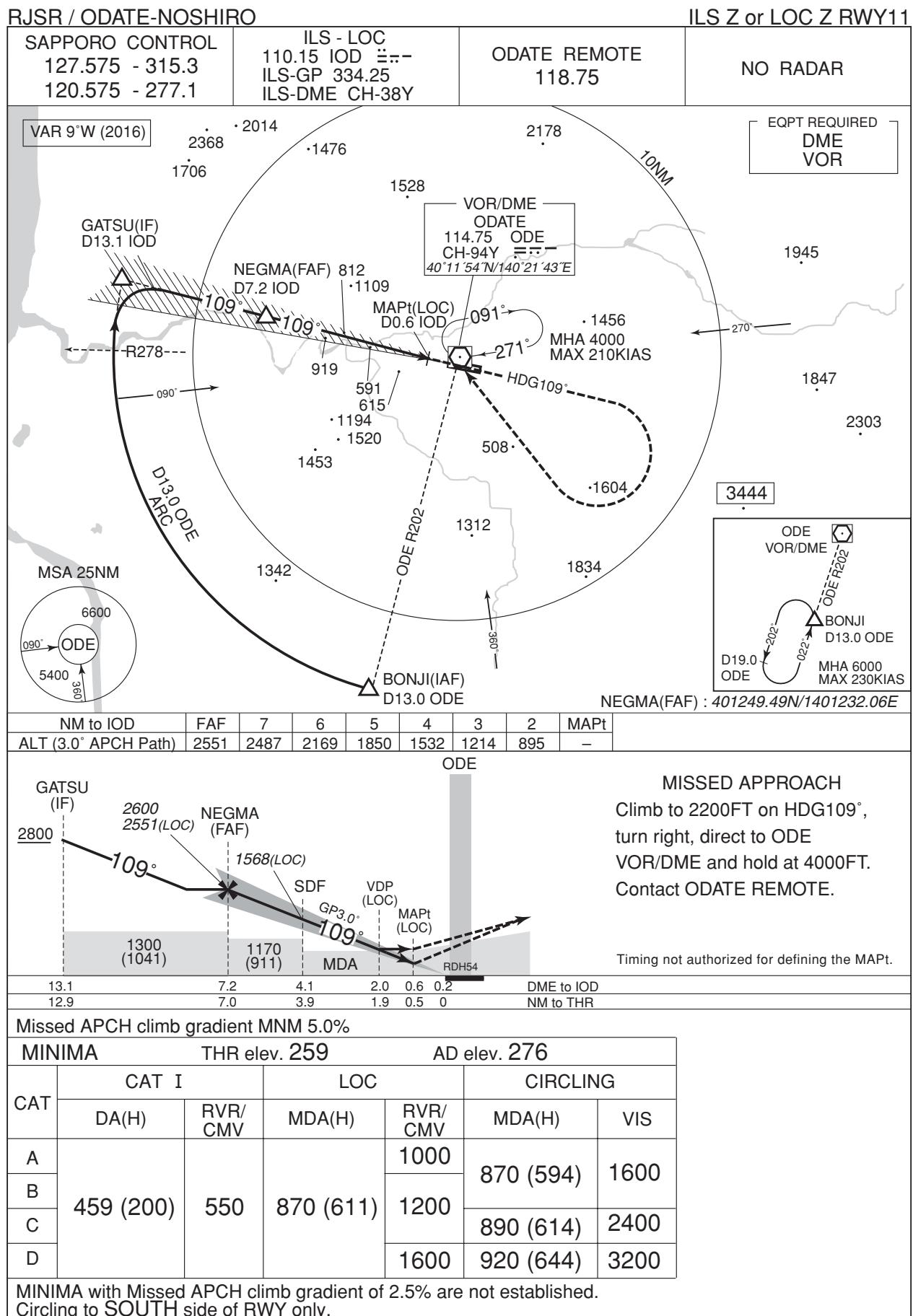
STANDARD ARRIVAL CHART - INSTRUMENT

RJSR / ODATE-NOSHIRO

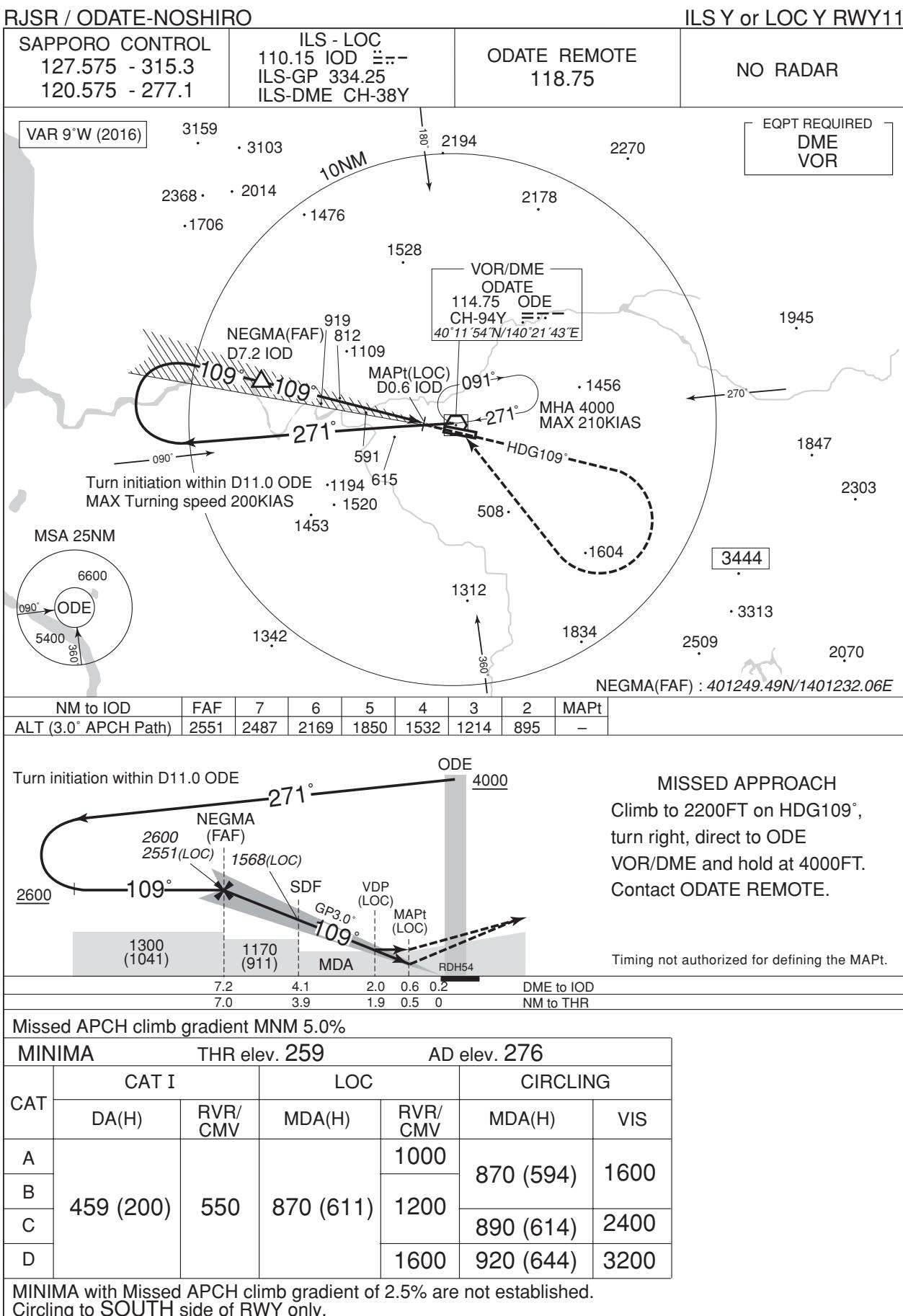
RNAV STAR RWY29



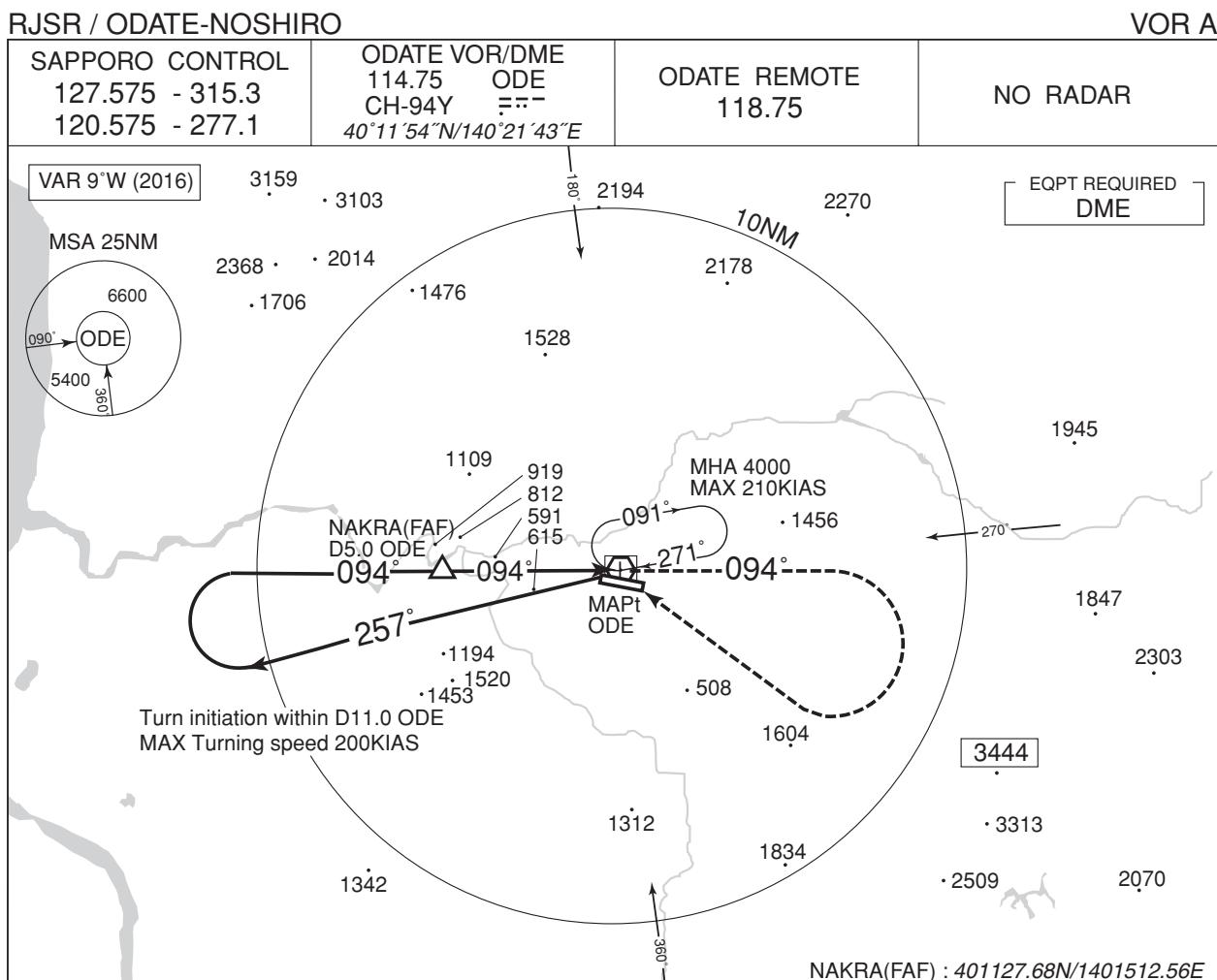
INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART



Turn initiation within D11.0 ODE

MISSED APPROACH

Climb to 2200FT via ODE R094,  
turn right, direct to ODE  
VOR/DME and hold at 4000FT.  
Contact ODATE REMOTE

Timing not authorized for defining the MAPt.

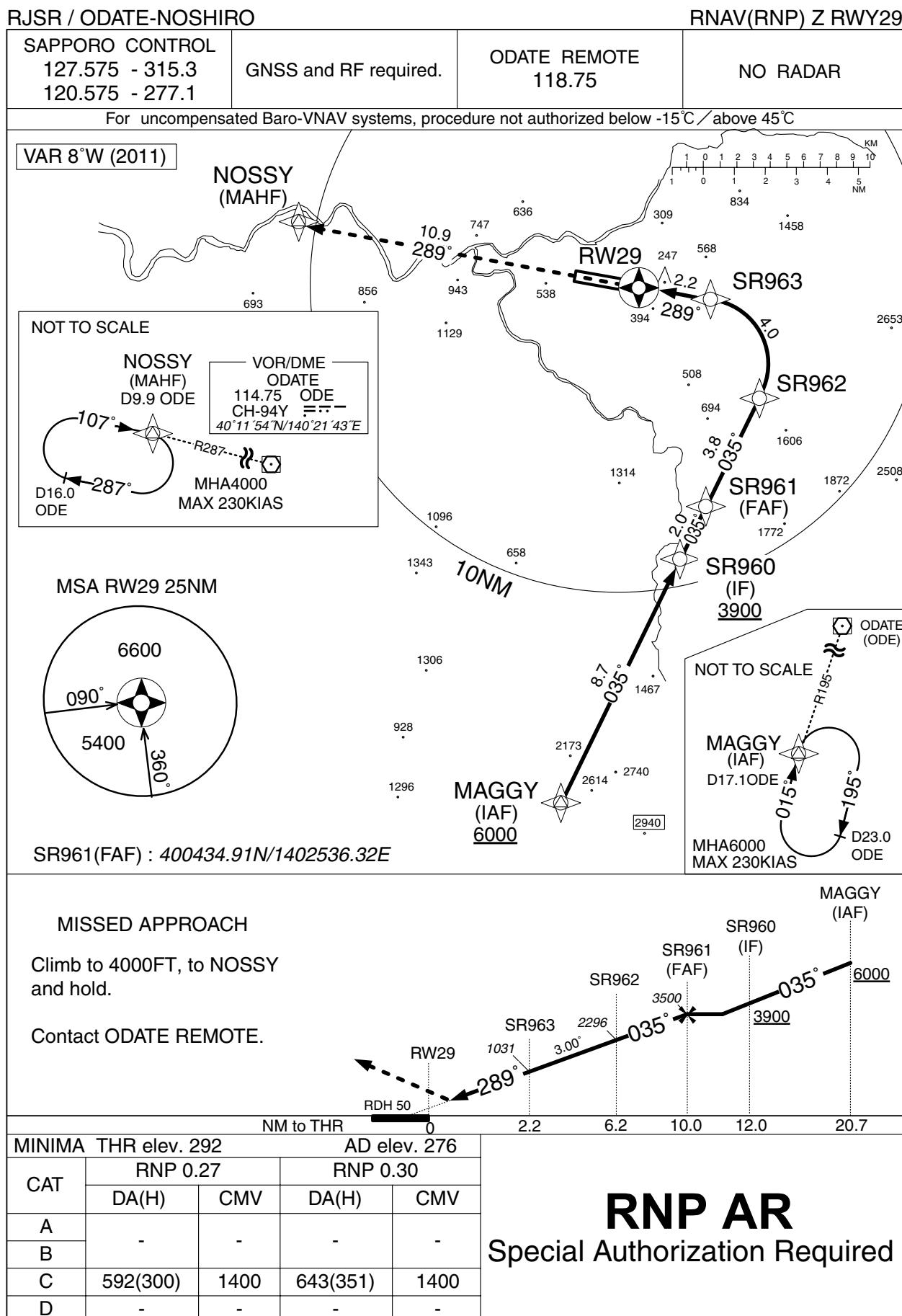
Missed ARCH climb gradient MNM 4.0%

AD day 276

| MINIMA |           | AD elev. 276 |
|--------|-----------|--------------|
| CAT    | CIRCLING  |              |
|        | MDA(H)    | VIS          |
| A      | 870 (594) | 1600         |
| B      |           |              |
| C      | 890 (614) | 2400         |
| D      | 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

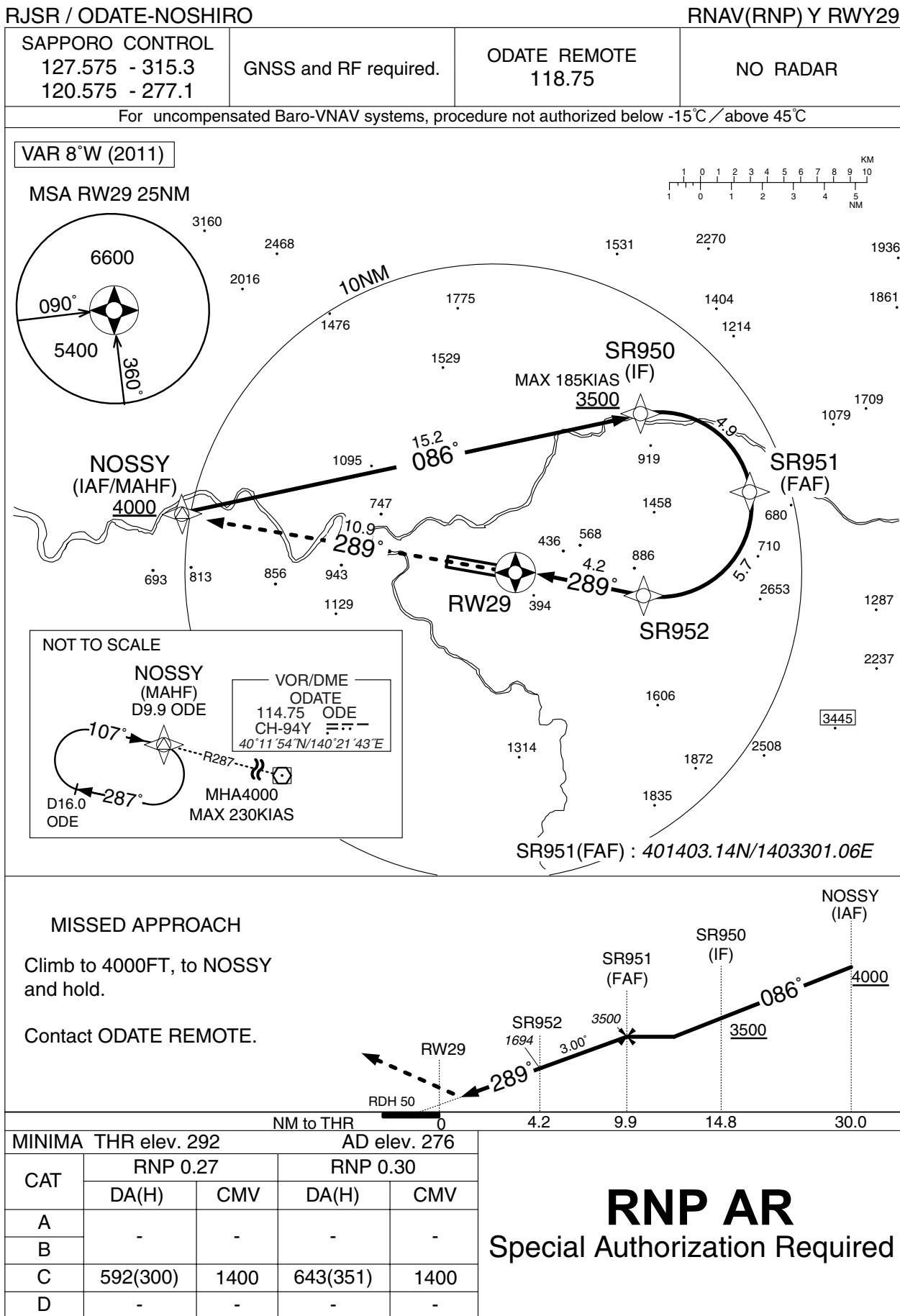
Coding Table

| 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<br>0.30 |
| 005           | RF Center:<br>SRRF1<br>r=2.15NM | SR963               | —        | —               | -8.5               | 4.0           | L              | 1031          | —            | -3.00          | 0.27<br>0.30 |
| 006           | TF                              | RW29                | Y        | 289 (280.1)     | -8.5               | 2.2           | —              | 342           | —            | -3.00/50       | 0.27<br>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



INSTRUMENT APPROACH CHART

RJSR / ODATE-NOSHIRO

RNAV(RNP) Y RWY29

RNAV(RNP) Y RWY29

Coding Table

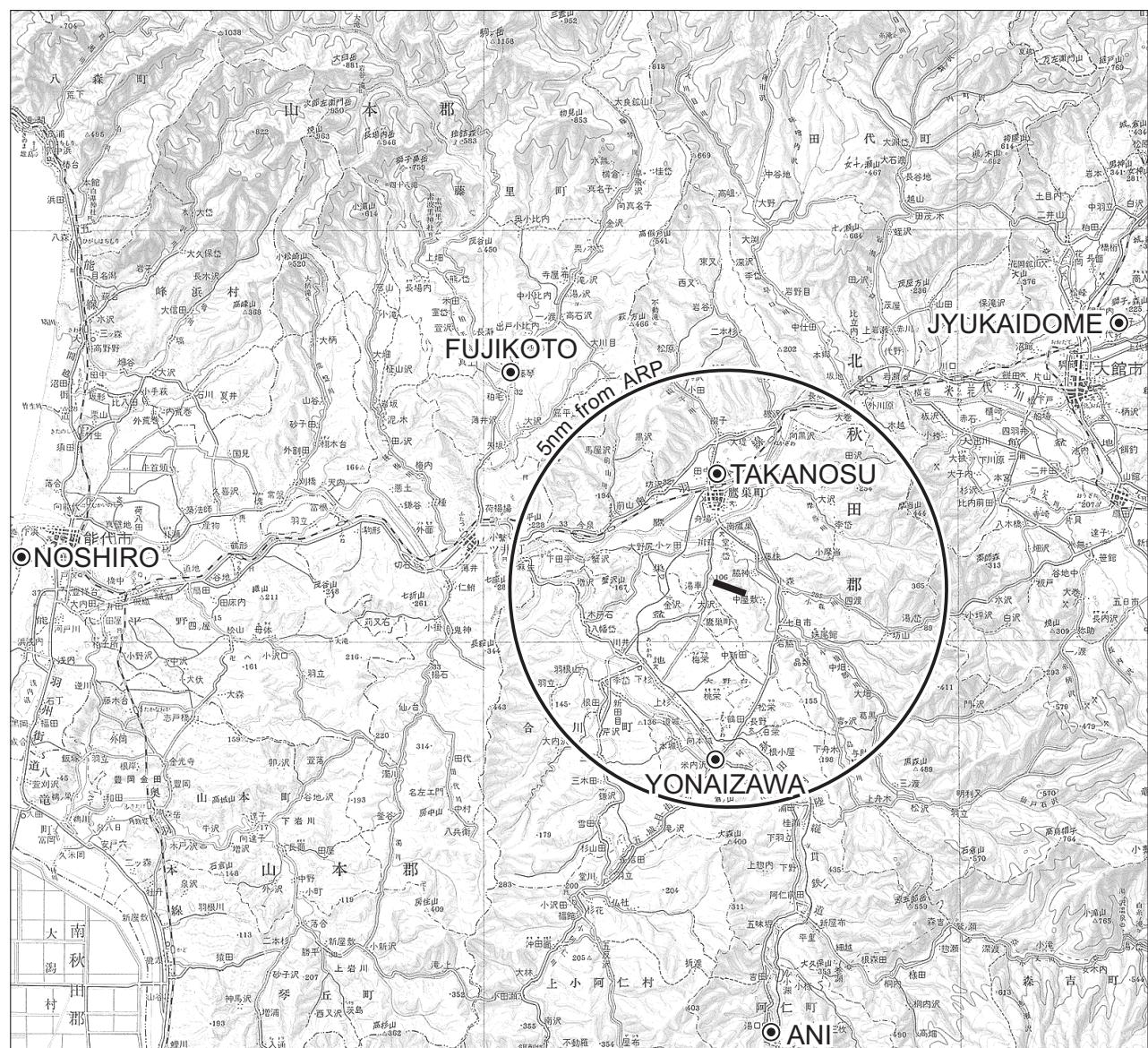
| Serial Number | Path Descriptor           | Waypoint Identifier | Fly Over | Course [°M(°T)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | VPA/RDH (°/FT) | RNP Value |
|---------------|---------------------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|-----------|
| 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 |                          |                          |

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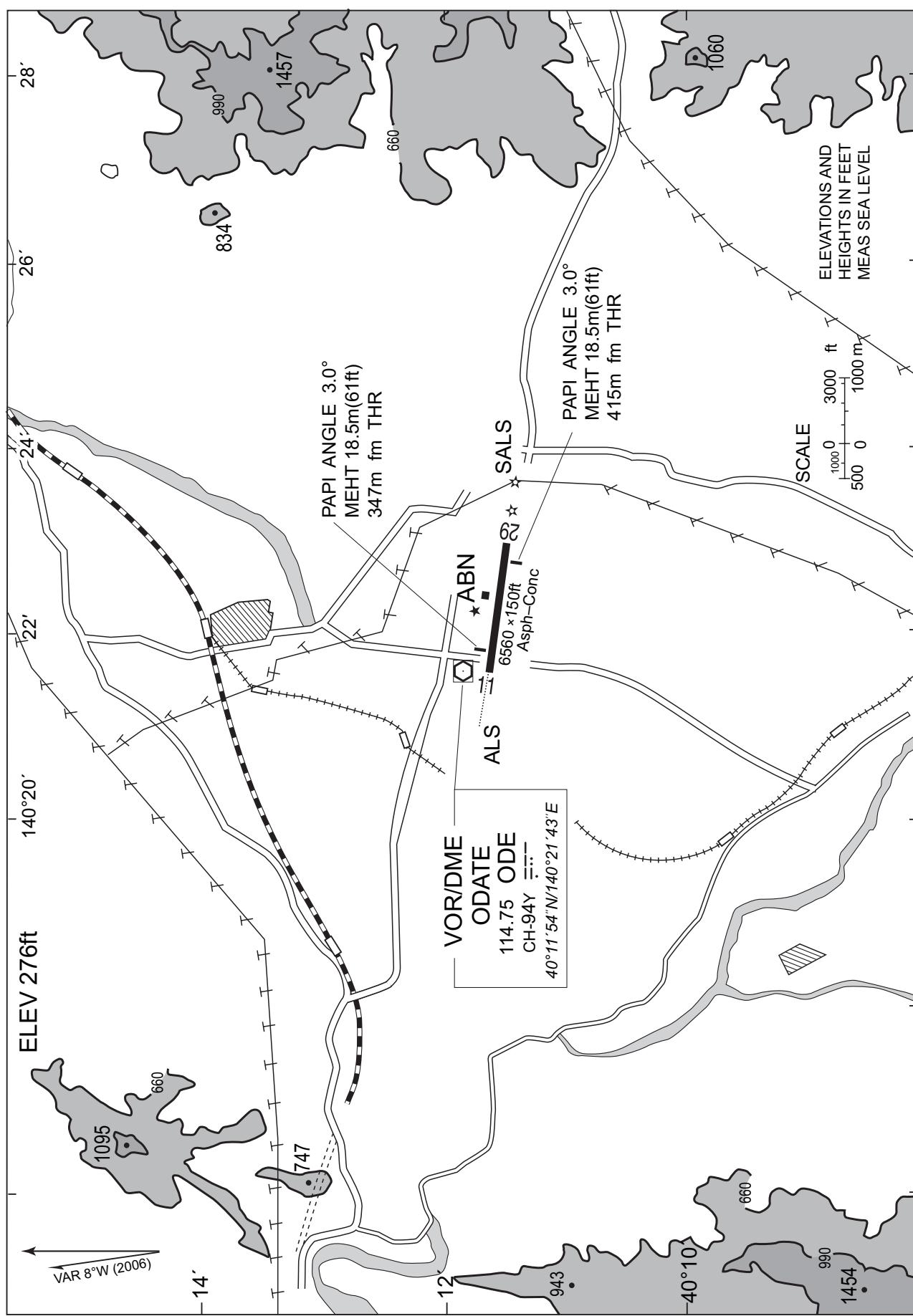
Visual REP



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

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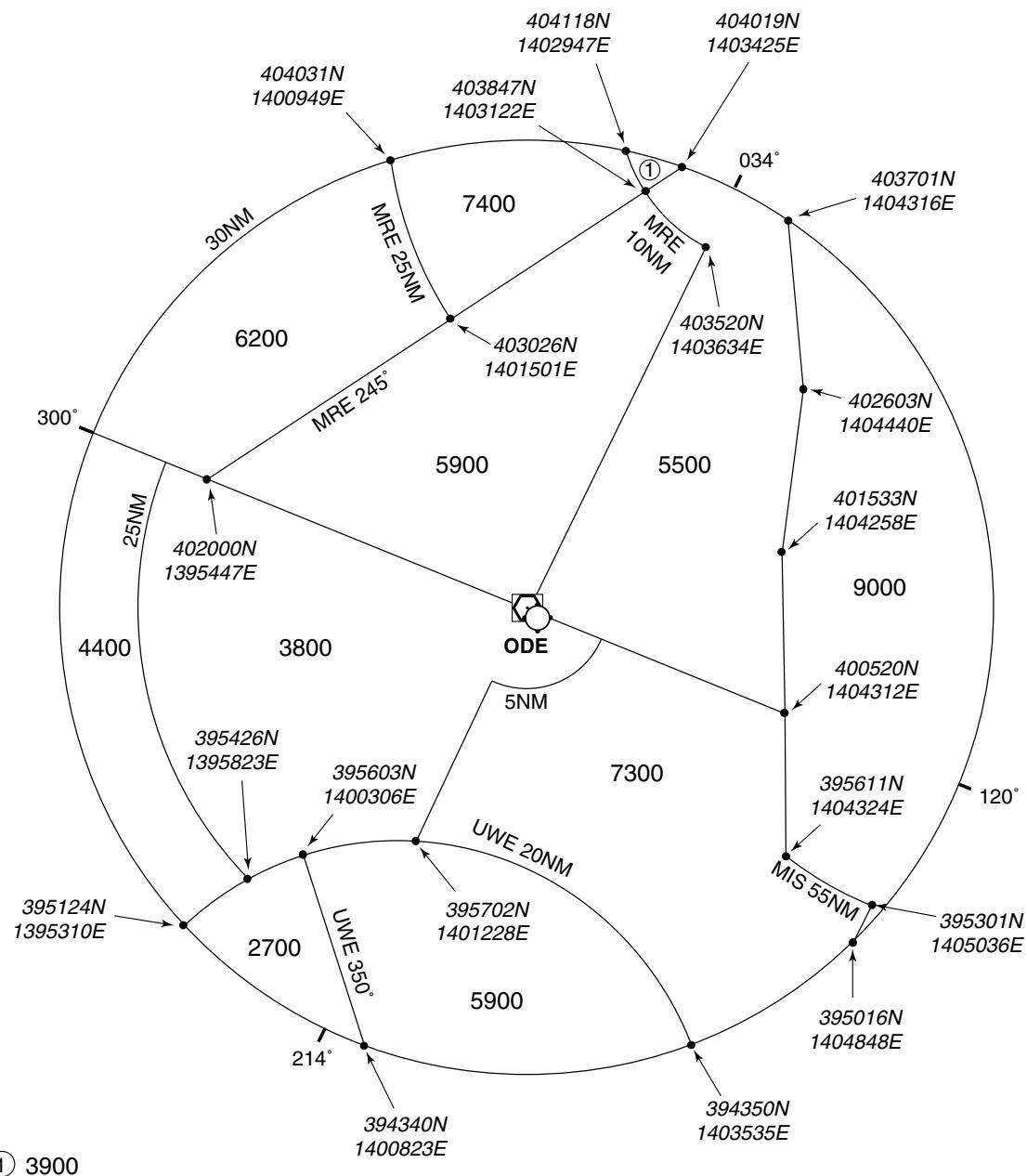
LDG CHART



RJSR / ODATE-NOSHIRO

Minimum Vectoring Altitude CHART

VAR 8°W (1998)



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