

AERODROME CHART

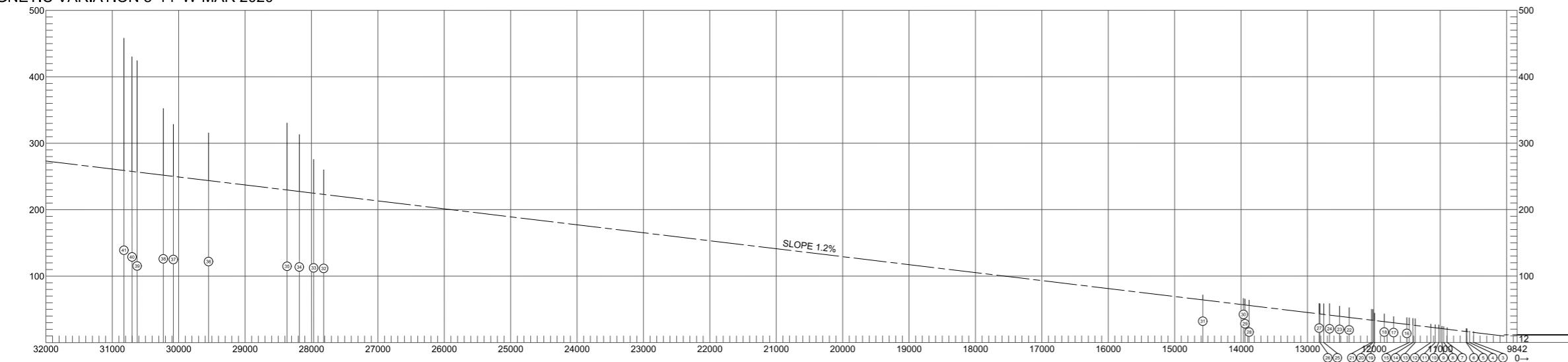




AERODROME OBSTACLE CHART-ICAO
TYPE A (OPERATING LIMITATIONS)

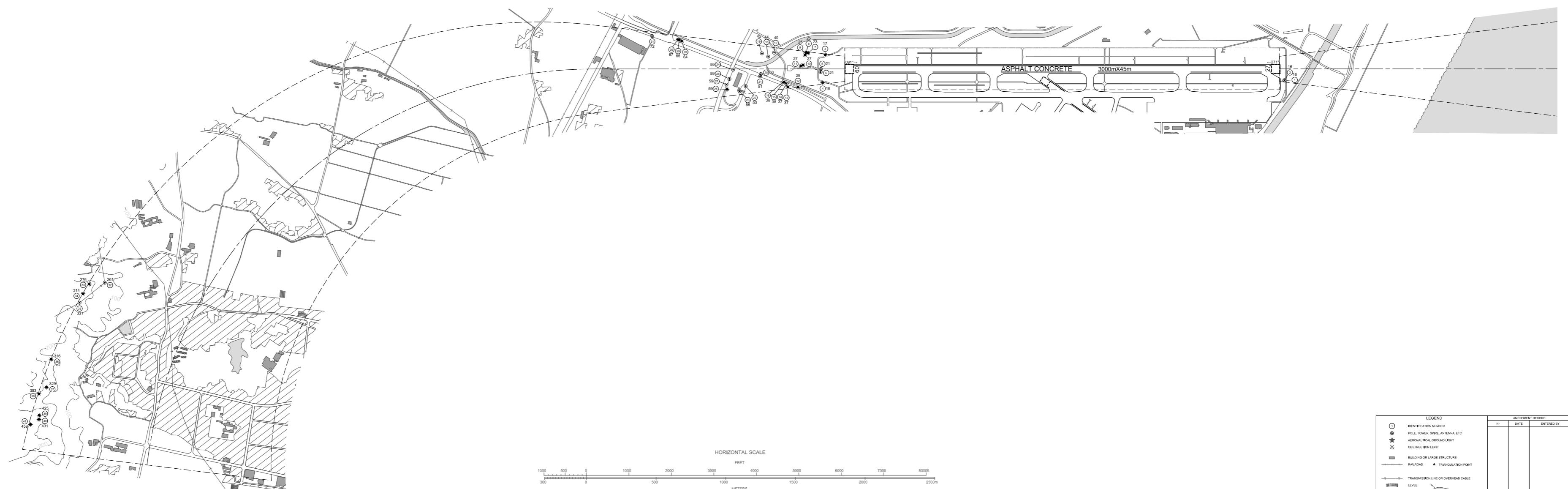
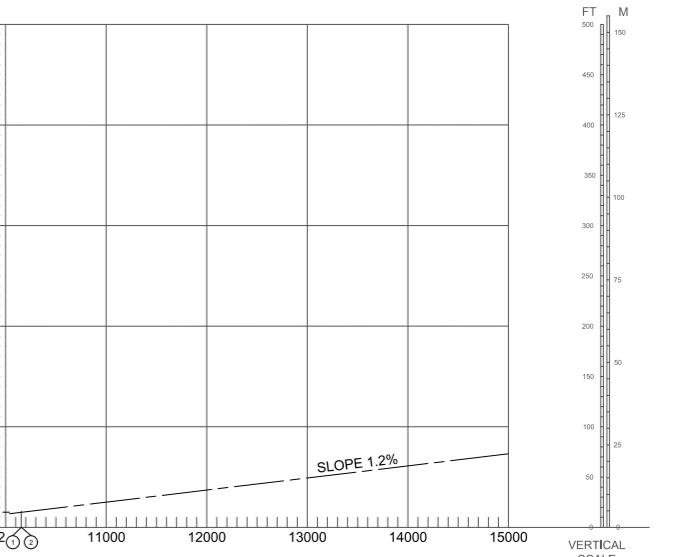
DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

MAGNETIC VARIATION 8°14' W-MAR 2020



SENDAI AIRPORT
RWY : 09/27

| DECLARED DISTANCES | |
|--|--------|
| RWY 09 | RWY 27 |
| 3000m TAKE OFF RUN AVAILABLE | 3000m |
| 3000m TAKE OFF DISTANCE AVAILABLE | 3000m |
| 3000m ACCELERATE STOP DISTANCE AVAILABLE | 3000m |
| 3000m LANDING DISTANCE AVAILABLE | 3000m |



AERODROME OBSTACLE CHART-ICAO

TYPE B

DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC



CHANGE:Update

STANDARD DEPARTURE CHART-INSTRUMENT

RJSS / SENDAI

SID

IWAKI EIGHT DEPARTURE

RWY 09 : Climb RWY HDG to SDE 3.4DME (2.8NM FM DER), turn right to intercept and proceed...

RWY 12 : Climb ...

RWY 27 : Climb RWY HDG to 500FT, turn left HDG 090° to intercept and proceed...

RWY 30 : Climb RWY HDG to 500FT, turn left HDG 090° to intercept and proceed...
...via SDE R120, via IXE R024 to IXE VOR/DME.

Cross IXE R024/46.7DME at or above 11000FT, cross IXE R024/28.0DME at or above FL150, cross IXE VOR/DME at assigned altitude.

Note RWY 09 : 5.0% climb gradient required up to 500FT.

OBST ALT 62FT located at 0.2NM 102° FM end of RWY09.

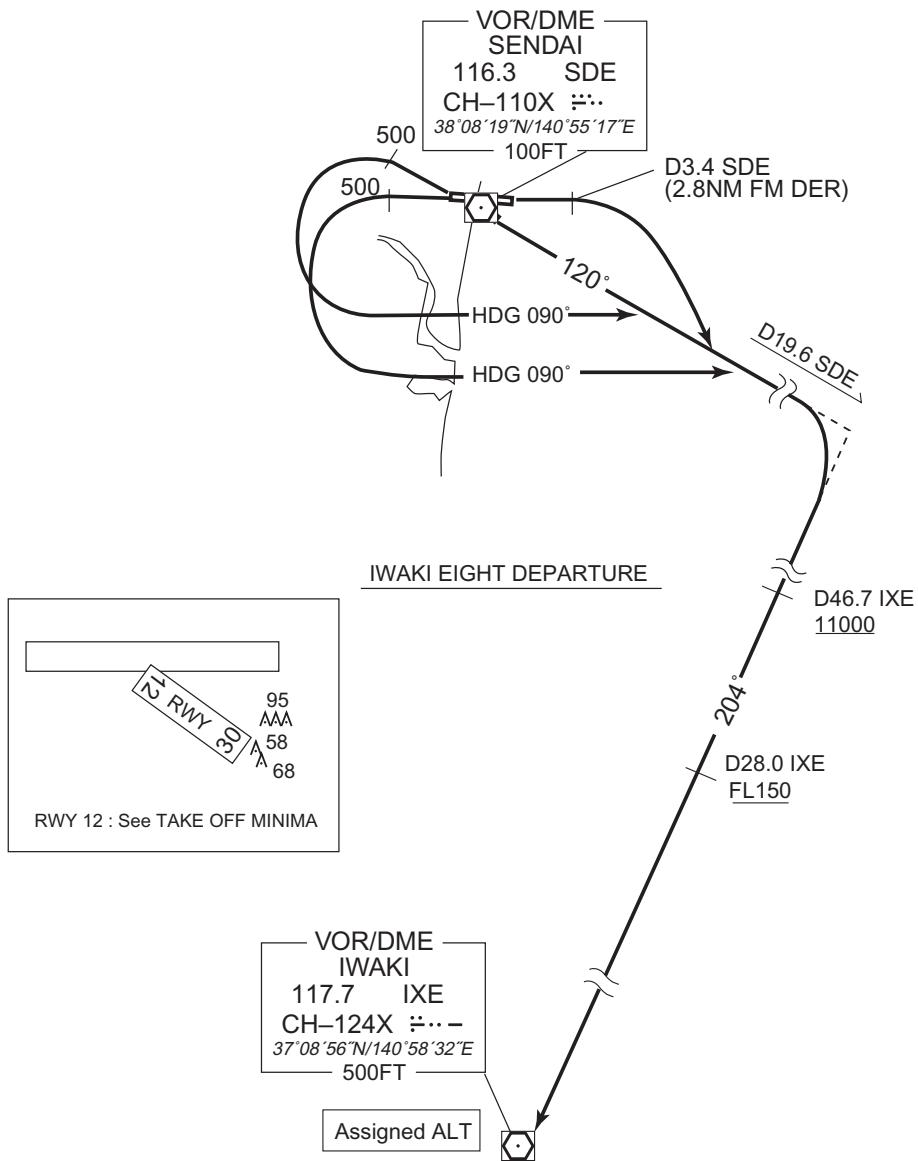
RWY 27 : 5.0% climb gradient required up to 1000FT.

OBST ALT 919FT located at 4.1NM 269° FM end of RWY27.

RWY 30 : 5.0% climb gradient required up to 1200FT.

OBST ALT 1181FT located at 5.3NM 283° FM end of RWY30.

CHANGE : PROC renamed.Restriction added (IXE R024/46.7 DME).



STANDARD DEPARTURE CHART-INSTRUMENT

RJSS / SENDAI

SID

SENDAI REVERSAL SIX DEPARTURE

RWY 09 : Climb RWY HDG to SDE 3.4DME (2.8NM fm DER), turn right to intercept and proceed...

RWY 12 : Climb ...

RWY 27 : Climb RWY HDG to 500FT, turn left HDG 090° to intercept and proceed...

RWY 30 : Climb RWY HDG to 500FT, turn left HDG 090° to intercept and proceed...
...via SDE R120 to 10.0DME, turn right, direct to SDE VOR/DME.

Cross SDE VOR/DME at or above 7000FT(*) .

* In case of proceeding to IXE VOR/DME : Cross SDE VOR/DME at or above 5000FT.

In case of proceeding to FKE VOR/DME : Cross SDE VOR/DME at or above 6000FT.

Note RWY 09 : 5.0% climb gradient required up to 500FT.

OBST ALT 62FT located at 0.2NM 102° FM end of RWY09.

RWY 27 : 5.0% climb gradient required up to 1000FT.

OBST ALT 919FT located at 4.1NM 269° FM end of RWY27.

RWY 30 : 5.0% climb gradient required up to 1200FT.

OBST ALT 1181FT located at 5.3NM 283° FM end of RWY30.

SENDAI REVERSAL SIX DEPARTURE

| |
|---------------------|
| 7000 |
| 5000 (For IXE only) |
| 6000 (For FKE only) |



STANDARD DEPARTURE CHART - INSTRUMENT



CHANGE : VAR. SID renamed. YAMAGATA TRANSITION, RIKYU NORTH TRANSITION, SASAP TRANSITION established. Navigation specification. Sensor for RNAV. SID course. ALT restriction at DERBY.

STANDARD DEPARTURE CHART - INSTRUMENT

RJSS / SENDAI

RNAV SID and TRANSITION

DERBY FOUR DEPARTURE

RWY09

| 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 | — | — | 091 (082.5) | -8.3 | — | — | +500 | — | — | Basic RNP1 |
| 002 | DF | SS901 | Y | — | -8.3 | — | — | — | — | — | Basic RNP1 |
| 003 | DF | ANEMO | — | — | -8.3 | — | R | — | — | — | Basic RNP1 |
| 004 | TF | EBOSI | — | 285 (276.4) | -8.3 | 17.6 | — | — | — | — | Basic RNP1 |
| 005 | TF | DERBY | — | 276 (268.1) | -8.3 | 7.7 | — | +9000 | — | — | Basic RNP1 |

RWY27

| 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 | — | — | 271 (262.5) | -8.3 | — | — | +500 | — | — | Basic RNP1 |
| 002 | DF | SS701 | Y | — | -8.3 | — | — | — | — | — | Basic RNP1 |
| 003 | DF | EBOSI | — | — | -8.3 | — | L | — | — | — | Basic RNP1 |
| 004 | TF | DERBY | — | 276 (268.1) | -8.3 | 7.7 | — | +9000 | — | — | Basic RNP1 |

CHANGE : VAR, SID renamed. SID course. ALT restriction at DERBY. Navigation specification. NIIGATA TRANSITION deleted.

STANDARD DEPARTURE CHART - INSTRUMENT

RJSS / SENDAI

RNAV SID and TRANSITION

YAMAGATA 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 | DERBY | — | — | -8.3 | — | — | +9000 | — | — | Basic RNP1 |
| 002 | TF | YTE | — | 356 (347.9) | -8.3 | 23.7 | — | — | — | — | Basic RNP1 |

NIIGATA 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 | DERBY | — | — | -8.3 | — | — | +9000 | — | — | Basic RNP1 |
| 002 | TF | GTC | — | 276 (268.0) | -8.3 | 63.9 | — | — | — | — | Basic RNP1 |

RIKYU 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 | DERBY | — | — | -8.3 | — | — | +9000 | — | — | Basic RNP1 |
| 002 | TF | RIKYU | — | 189 (180.5) | -8.3 | 26.8 | — | — | — | — | Basic RNP1 |

SASAP 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 | DERBY | — | — | -8.3 | — | — | +9000 | — | — | Basic RNP1 |
| 002 | TF | SASAP | — | 188 (179.4) | -8.3 | 49.3 | — | — | — | — | Basic RNP1 |

CHANGE : YAMAGATA TRANSITION, NIIGATA TRANSITION, SASAP TRANSITION, RIKYU NORTH TRANSITION, RIKYU TRANSITION, SASAP TRANSITION added.

STANDARD DEPARTURE CHART - INSTRUMENT

RJSS / SENDAI

RNAV SID and TRANSITION

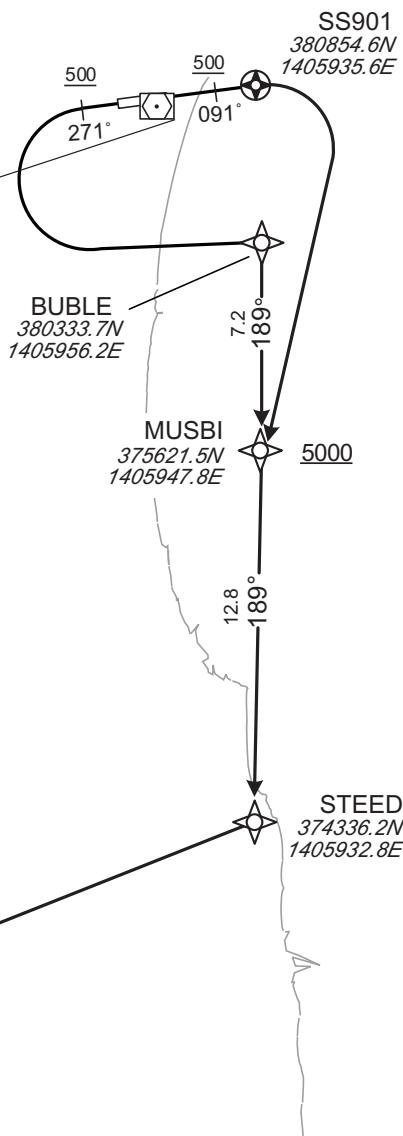
STEED FOUR DEPARTURE / RIKYU TRANSITION

Basic RNP1

Note GNSS required.

VAR 8°W(2020)

VOR/DME
SENDAI
116.3 SDE
CH-110X 38°08'19"N 140°55'17"E
100FT

STEED FOUR DEPARTURERIKYU TRANSITION

RIKYU
373327.8N
1402731.8E

STEED FOUR DEPARTURE

RWY09 : Climb on HDG091° at or above 500FT, direct to SS901, turn right direct to MUSBI at or above 5000FT, to STEED.

RWY27 : Climb on HDG271° at or above 500FT, turn left direct to BUBLE, to MUSBI at or above 5000FT, to STEED.

NOTE RWY09: 5.0% climb gradient required up to 500FT.

OBST ALT 62FT located at 0.2NM 103° FM end of RWY09.

RWY27: 5.0% climb gradient required up to 1000FT.

OBST ALT 919FT located at 4.1NM 269° FM end of RWY27.

RIKYU TRANSITION

From STEED, to RIKYU.

CHANGE : VAR, SID renamed. Navigation specification. Sensor for RNAV. PROC course. MUSBI established.

STANDARD DEPARTURE CHART - INSTRUMENT

RJSS / SENDAI

RNAV SID and TRANSITION

STEED FOUR DEPARTURE

RWY09

| 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 | — | — | 091 (082.5) | -8.3 | — | — | +500 | — | — | Basic RNP1 |
| 002 | DF | SS901 | Y | — | -8.3 | — | — | — | — | — | Basic RNP1 |
| 003 | DF | MUSBI | — | — | -8.3 | — | R | +5000 | — | — | Basic RNP1 |
| 004 | TF | STEED | — | 189 (180.9) | -8.3 | 12.8 | — | — | — | — | Basic RNP1 |

RWY27

| 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 | — | — | 271 (262.5) | -8.3 | — | — | +500 | — | — | Basic RNP1 |
| 002 | DF | BUBLE | — | — | -8.3 | — | L | — | — | — | Basic RNP1 |
| 003 | TF | MUSBI | — | 189 (180.9) | -8.3 | 7.2 | — | +5000 | — | — | Basic RNP1 |
| 004 | TF | STEED | — | 189 (180.9) | -8.3 | 12.8 | — | — | — | — | Basic RNP1 |

RIKYU 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 | STEED | — | — | -8.3 | — | — | — | — | — | Basic RNP1 |
| 002 | TF | RIKYU | — | 257 (248.4) | -8.3 | 27.3 | — | — | — | — | Basic RNP1 |

CHANGE : VAR. SID renamed. Navigation specification. PROC course. MUSBI established.

STANDARD DEPARTURE CHART - INSTRUMENT

| RJSS / SENDAI | RNAV SID and TRANSITION |
|--|-------------------------|
| CUBIC FOUR DEPARTURE / TOHOKU TRANSITION | Basic RNP1 |
| Note GNSS required. | |
| VAR 8°W(2020) | |
| | |
| CUBIC FOUR DEPARTURE RWY09 : Climb on HDG091° at or above 500FT, direct to SS901, to HAGNO at or above 11000FT, to CUBIC at or above FL150. RWY27 : Climb on HDG271° at or above 500FT, turn left direct to BUBLE, to MONAK at or above 11000FT, to CUBIC at or above FL150. NOTE RWY09: 5.0% climb gradient required up to 500FT. OBST ALT 62FT located at 0.2NM 103° FM end of RWY09. RWY27: 5.0% climb gradient required up to 1000FT. OBST ALT 919FT located at 4.1NM 269° FM end of RWY27. | |
| TOHOKU TRANSITION From CUBIC at or above FL150, to SERRY, to SAITI, to SAMBO. | |

CHANGE VAR, SID renamed. Navigation specification. Sensor for RNAV. PROC course. HAGNO, MONAK, SERRY established. RIDER abolished. TOHOKU TRANSITION added.

STANDARD DEPARTURE CHART - INSTRUMENT

RJSS / SENDAI

RNAV SID and TRANSITION

CUBIC FOUR DEPARTURE

RWY09

| 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 | — | — | 091 (082.5) | -8.3 | — | — | +500 | — | — | Basic RNP1 |
| 002 | DF | SS901 | Y | — | -8.3 | — | — | — | — | — | Basic RNP1 |
| 003 | TF | HAGNO | — | 124 (115.8) | -8.3 | 22.0 | — | +11000 | — | — | Basic RNP1 |
| 004 | TF | CUBIC | — | 124 (116.1) | -8.3 | 9.1 | — | +FL150 | — | — | Basic RNP1 |

RWY27

| 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 | — | — | 271 (262.5) | -8.3 | — | — | +500 | — | — | Basic RNP1 |
| 002 | DF | BUBLE | — | — | -8.3 | — | L | — | — | — | Basic RNP1 |
| 003 | TF | MONAK | — | 115 (106.4) | -8.3 | 19.5 | — | +11000 | — | — | Basic RNP1 |
| 004 | TF | CUBIC | — | 115 (106.7) | -8.3 | 9.4 | — | +FL150 | — | — | Basic RNP1 |

TOHOKU 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 | CUBIC | — | — | -8.3 | — | — | +FL150 | — | — | Basic RNP1 |
| 002 | TF | SERRY | — | 018 (009.5) | -8.3 | 36.4 | — | — | — | — | Basic RNP1 |
| 003 | TF | SAITI | — | 347 (338.8) | -8.3 | 58.9 | — | — | — | — | Basic RNP1 |
| 004 | TF | SAMBO | — | 351 (343.0) | -8.3 | 47.4 | — | — | — | — | Basic RNP1 |

CHANGE : VAR, SID renamed. Navigation specification. PROC course. HAGNO, MONAK, SERRY established. RIDER abolished. TOHOKU TRANSITION added.

STANDARD ARRIVAL CHART-INSTRUMENT

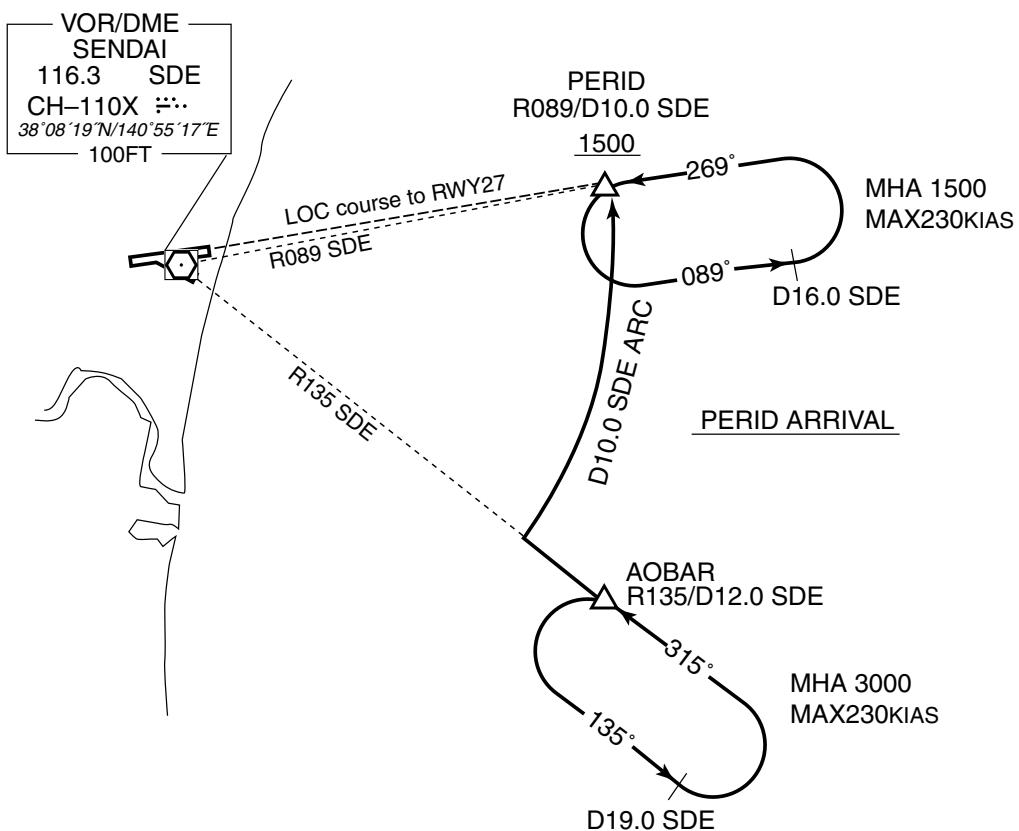
RJSS / SENDAI

STAR

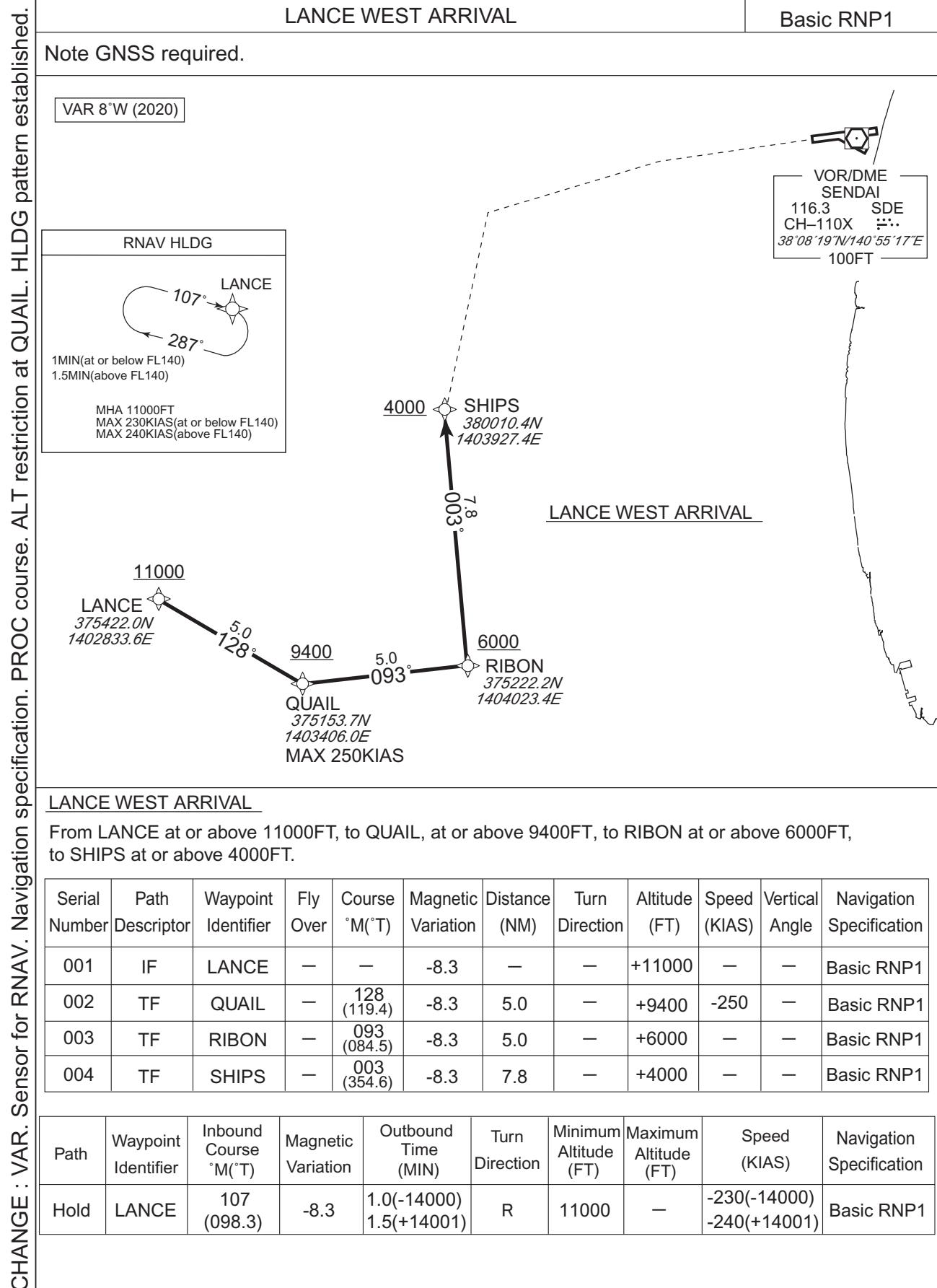
PERID ARRIVAL

From over AOBAR, via SDE R135 to intercept and proceed via SDE 10.0DME counterclockwise ARC to PERID.

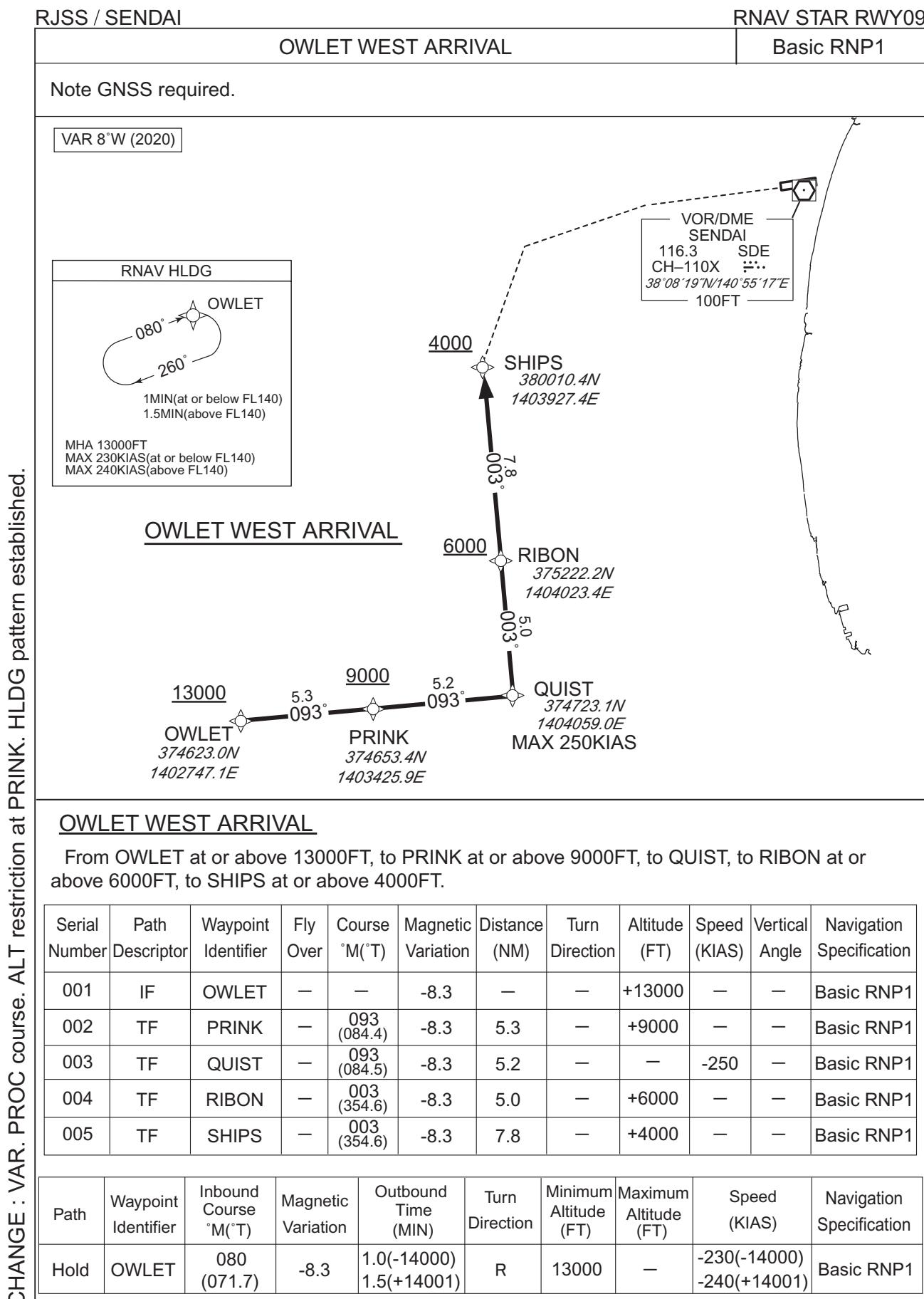
Cross PERID at or above 1500FT.



STANDARD ARRIVAL CHART - INSTRUMENT



STANDARD ARRIVAL CHART-INSTRUMENT



CHANGE : VAR. PROC course. ALT restriction at PRINK. HLDG pattern established.

STANDARD ARRIVAL CHART-INSTRUMENT

CHANGE : VAR, Navigation specification. Sensor for RNAV. Course FM FUBOU to SNOOK. Course FM TOPAZ to PERID. ALT restriction at FUBOU. HLDG pattern established.



STANDARD ARRIVAL CHART-INSTRUMENT

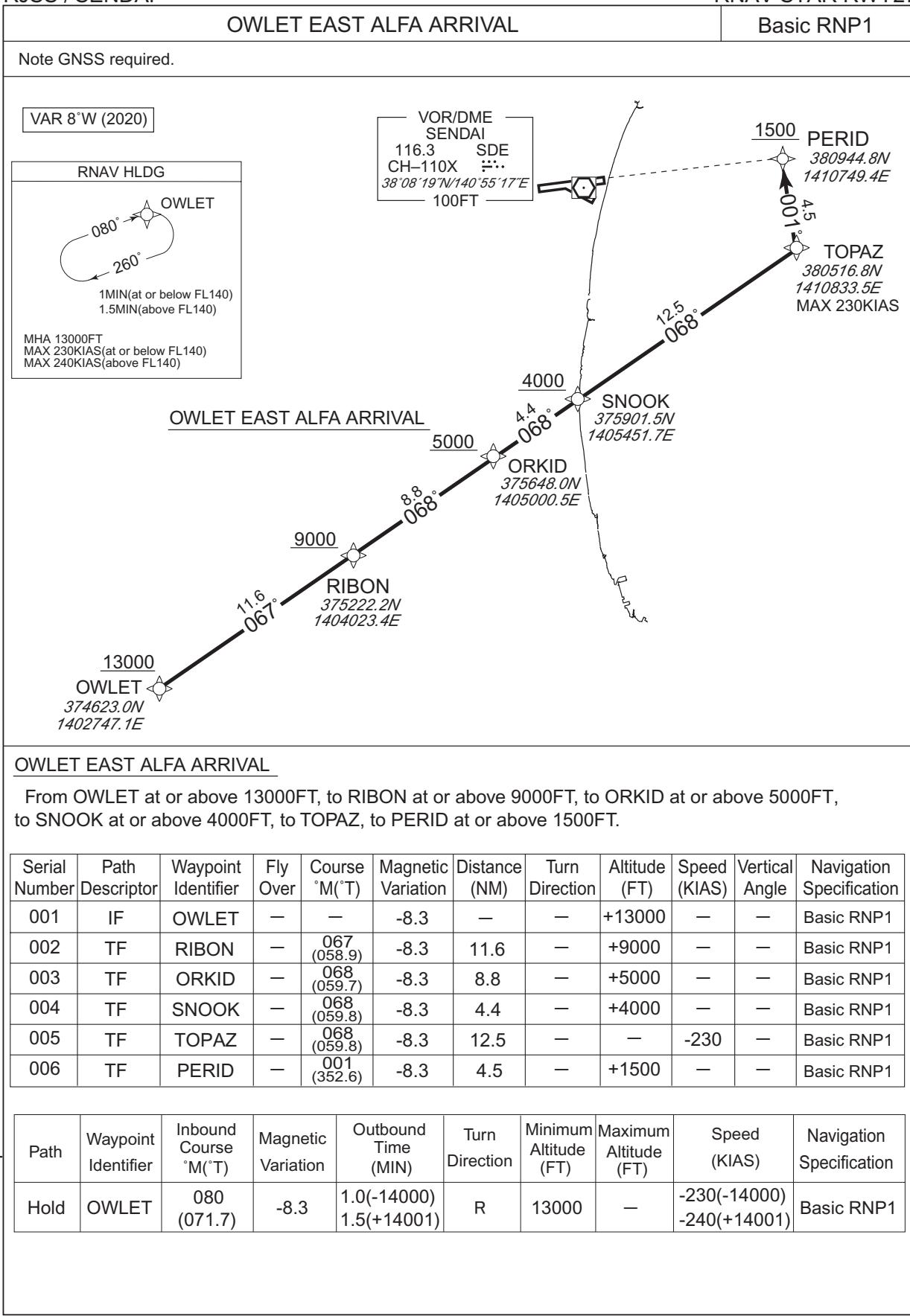
| RJSS / SENDAI | RNAV STAR RWY27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------------|--------------------|----------------------------|--------------------|-----------------------|-----------------------|------------------------------|--------------------------|----------------|--------------------------|----------------|--------------------------|-----|----|-------|---|---|------|---|---|--------|---|---|------------|-----|----|-------|---|----------------|------|-----|---|-------|---|---|------------|-----|----|-------|---|----------------|------|------|---|-------|---|---|------------|------|---------------------|----------------------|--------------------|---------------------|----------------|-----------------------|-----------------------|--------------|--------------------------|------|-------|----------------|------|----------------------------|---|-------|---|------------------------------|------------|
| LANCE EAST BRAVO ARRIVAL | Basic RNP1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Note GNSS required. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VAR 8°W (2020) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>RNAV HLDG</p> <p>1MIN(at or below FL140) 1.5MIN(above FL140)</p> <p>MHA 11000FT MAX 230KIAS(at or below FL140) MAX 240KIAS(above FL140)</p> | <p>VOR/DME SENDAI 116.3 SDE CH-110X ::: 38°08'19"N/140°55'17"E 100FT</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>LANCE EAST BRAVO ARRIVAL</p> <p>From LANCE at or above 11000FT, to FUBOU at or above 9000FT, to SNOOK at or above 4000FT.</p> <table border="1"> <thead> <tr> <th>Serial Number</th> <th>Path Descriptor</th> <th>Waypoint Identifier</th> <th>Fly Over</th> <th>Course °M(T)</th> <th>Magnetic Variation</th> <th>Distance (NM)</th> <th>Turn Direction</th> <th>Altitude (FT)</th> <th>Speed (KIAS)</th> <th>Vertical Angle</th> <th>Navigation Specification</th> </tr> </thead> <tbody> <tr> <td>001</td> <td>IF</td> <td>LANCE</td> <td>—</td> <td>—</td> <td>-8.3</td> <td>—</td> <td>—</td> <td>+11000</td> <td>—</td> <td>—</td> <td>Basic RNP1</td> </tr> <tr> <td>002</td> <td>TF</td> <td>FUBOU</td> <td>—</td> <td>085 (077.2)</td> <td>-8.3</td> <td>5.9</td> <td>—</td> <td>+9000</td> <td>—</td> <td>—</td> <td>Basic RNP1</td> </tr> <tr> <td>003</td> <td>TF</td> <td>SNOOK</td> <td>—</td> <td>086 (077.3)</td> <td>-8.3</td> <td>15.4</td> <td>—</td> <td>+4000</td> <td>—</td> <td>—</td> <td>Basic RNP1</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Path</th> <th>Waypoint Identifier</th> <th>Inbound Course °M(T)</th> <th>Magnetic Variation</th> <th>Outbound Time (MIN)</th> <th>Turn Direction</th> <th>Minimum Altitude (FT)</th> <th>Maximum Altitude (FT)</th> <th>Speed (KIAS)</th> <th>Navigation Specification</th> </tr> </thead> <tbody> <tr> <td>Hold</td> <td>LANCE</td> <td>107 (098.3)</td> <td>-8.3</td> <td>1.0(-14000) 1.5(+14001)</td> <td>R</td> <td>11000</td> <td>—</td> <td>-230(-14000) -240(+14001)</td> <td>Basic RNP1</td> </tr> </tbody> </table> | | 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 | LANCE | — | — | -8.3 | — | — | +11000 | — | — | Basic RNP1 | 002 | TF | FUBOU | — | 085 (077.2) | -8.3 | 5.9 | — | +9000 | — | — | Basic RNP1 | 003 | TF | SNOOK | — | 086 (077.3) | -8.3 | 15.4 | — | +4000 | — | — | 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 | LANCE | 107 (098.3) | -8.3 | 1.0(-14000) 1.5(+14001) | R | 11000 | — | -230(-14000) -240(+14001) | Basic RNP1 |
| 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 | LANCE | — | — | -8.3 | — | — | +11000 | — | — | Basic RNP1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 002 | TF | FUBOU | — | 085 (077.2) | -8.3 | 5.9 | — | +9000 | — | — | Basic RNP1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 003 | TF | SNOOK | — | 086 (077.3) | -8.3 | 15.4 | — | +4000 | — | — | 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 | LANCE | 107 (098.3) | -8.3 | 1.0(-14000) 1.5(+14001) | R | 11000 | — | -230(-14000) -240(+14001) | Basic RNP1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

CHANGE : VAR. Course FM FUBOU to SNOOK. ALT restriction at FUBOU. HLDG pattern established.

STANDARD ARRIVAL CHART-INSTRUMENT

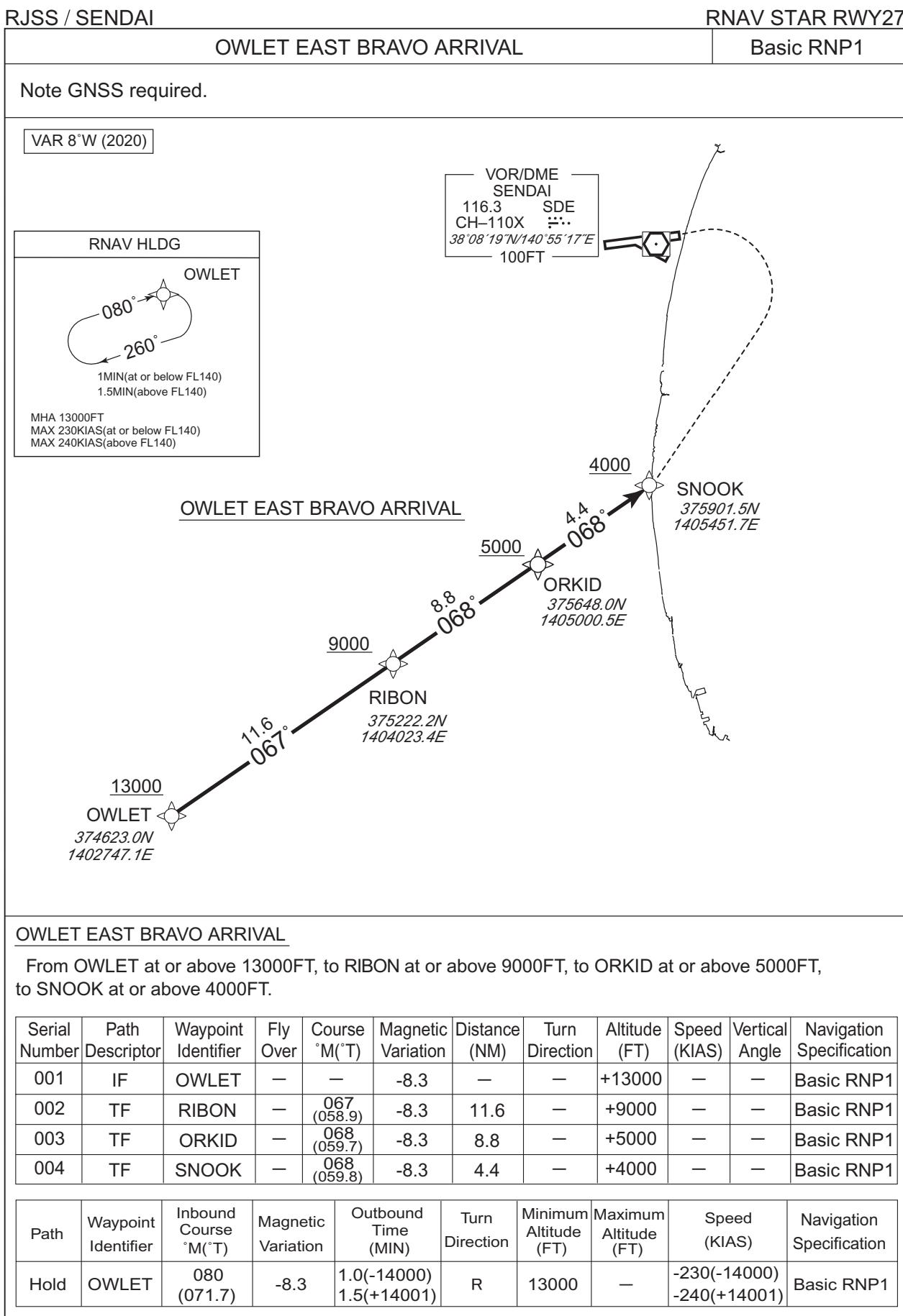
RJSS / SENDAI

RNAV STAR RWY27


 CHANGE : VAR. Navigation specification. Sensor for RNAV. ORKID established. DATTE abolished. PROC course. ALT restriction at RIBON.
HLDG pattern established.

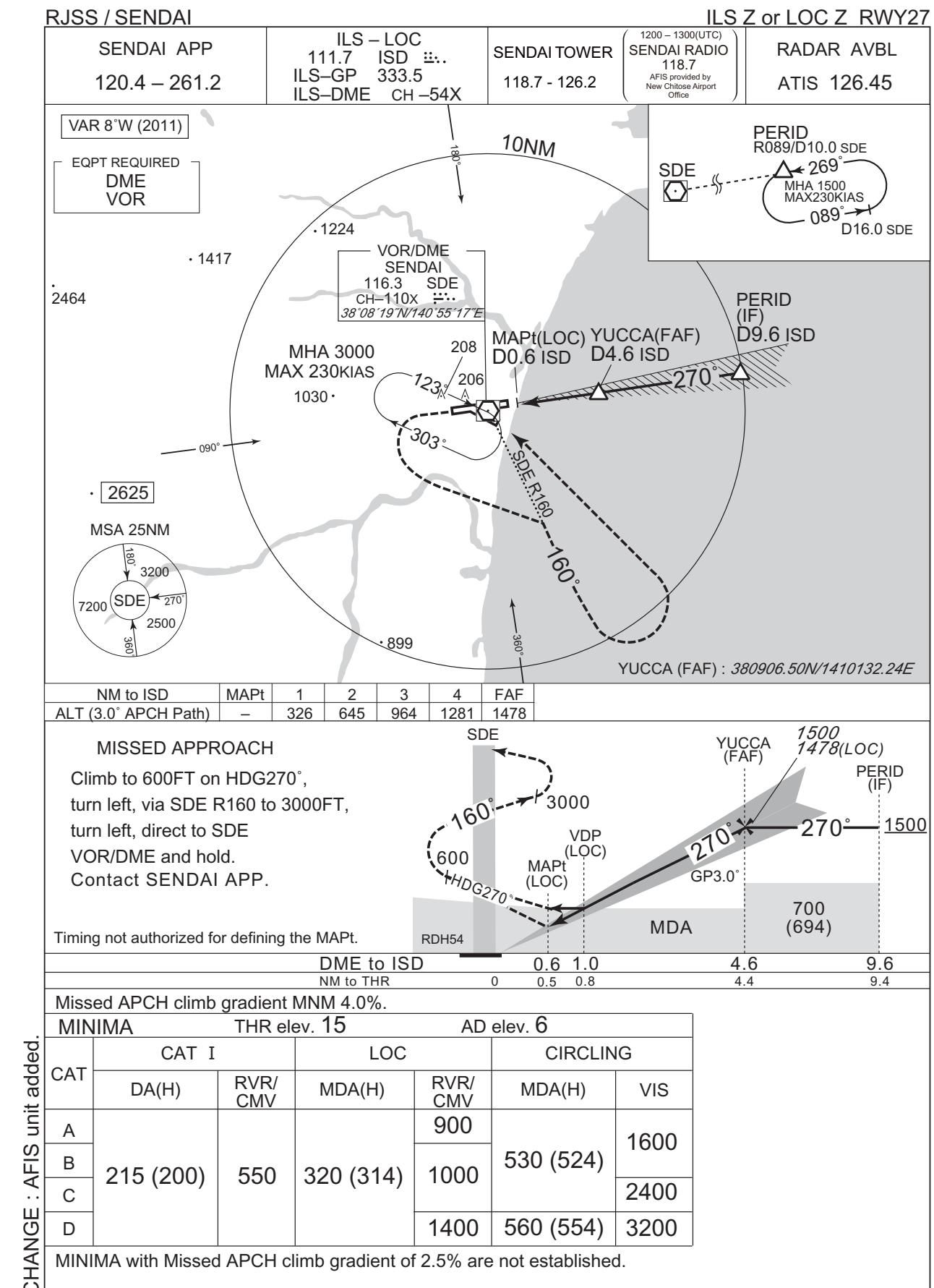
STANDARD ARRIVAL CHART-INSTRUMENT

CHANGE : VAR. ORKID established. Course FM RIBON to SNOOK. ALT restriction at RIBON. HLDG pattern established.

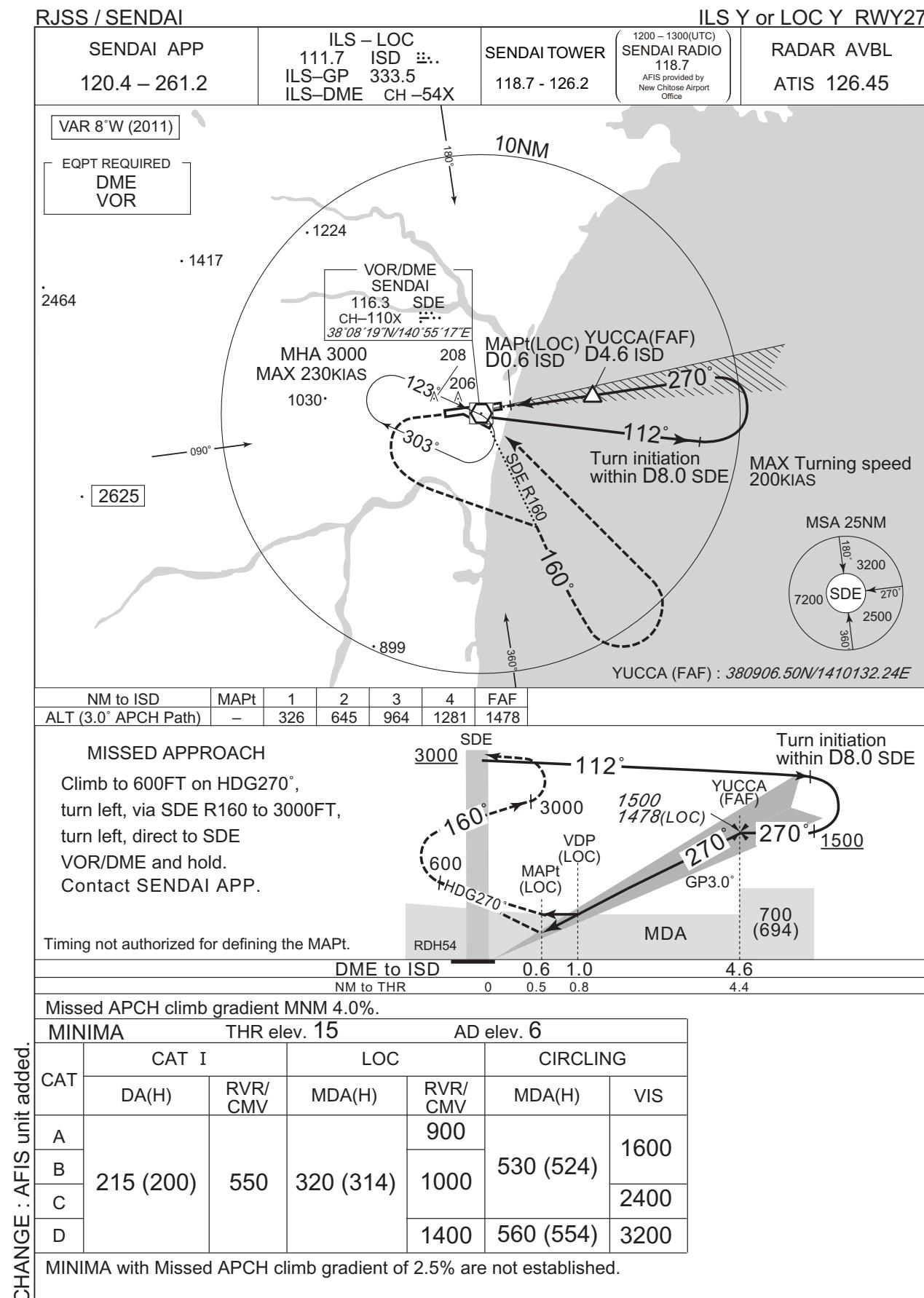


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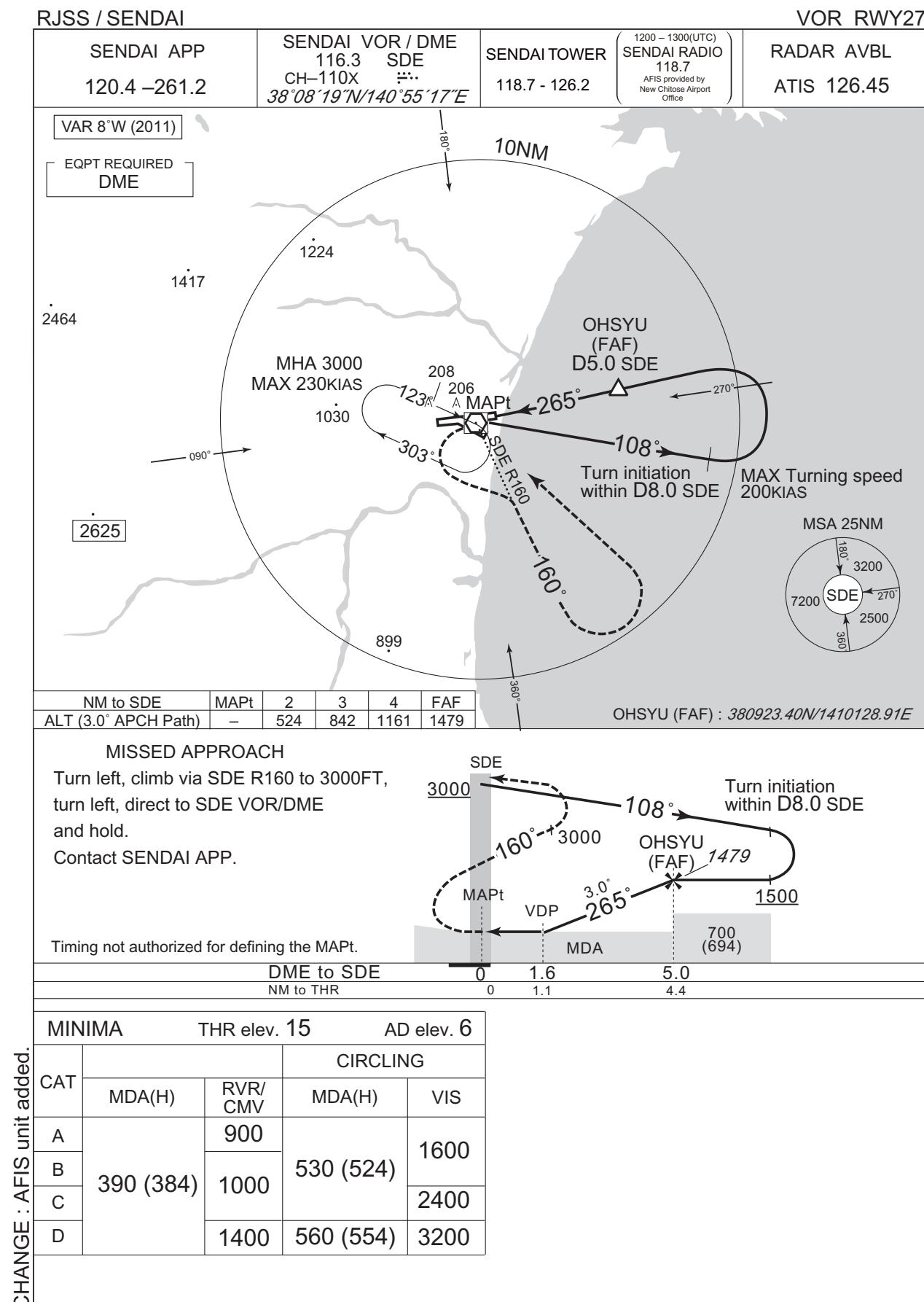
INSTRUMENT APPROACH CHART



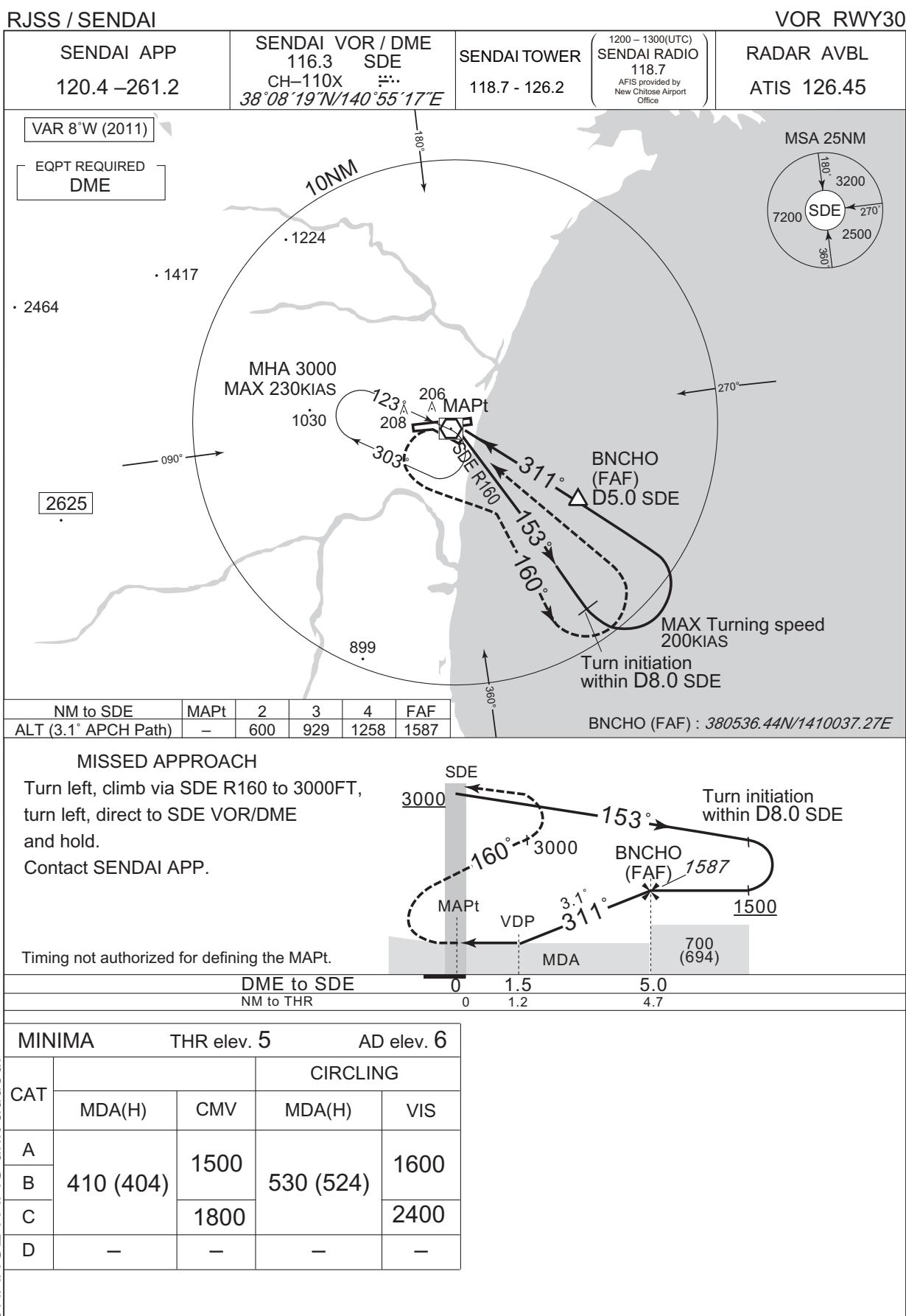
INSTRUMENT APPROACH CHART



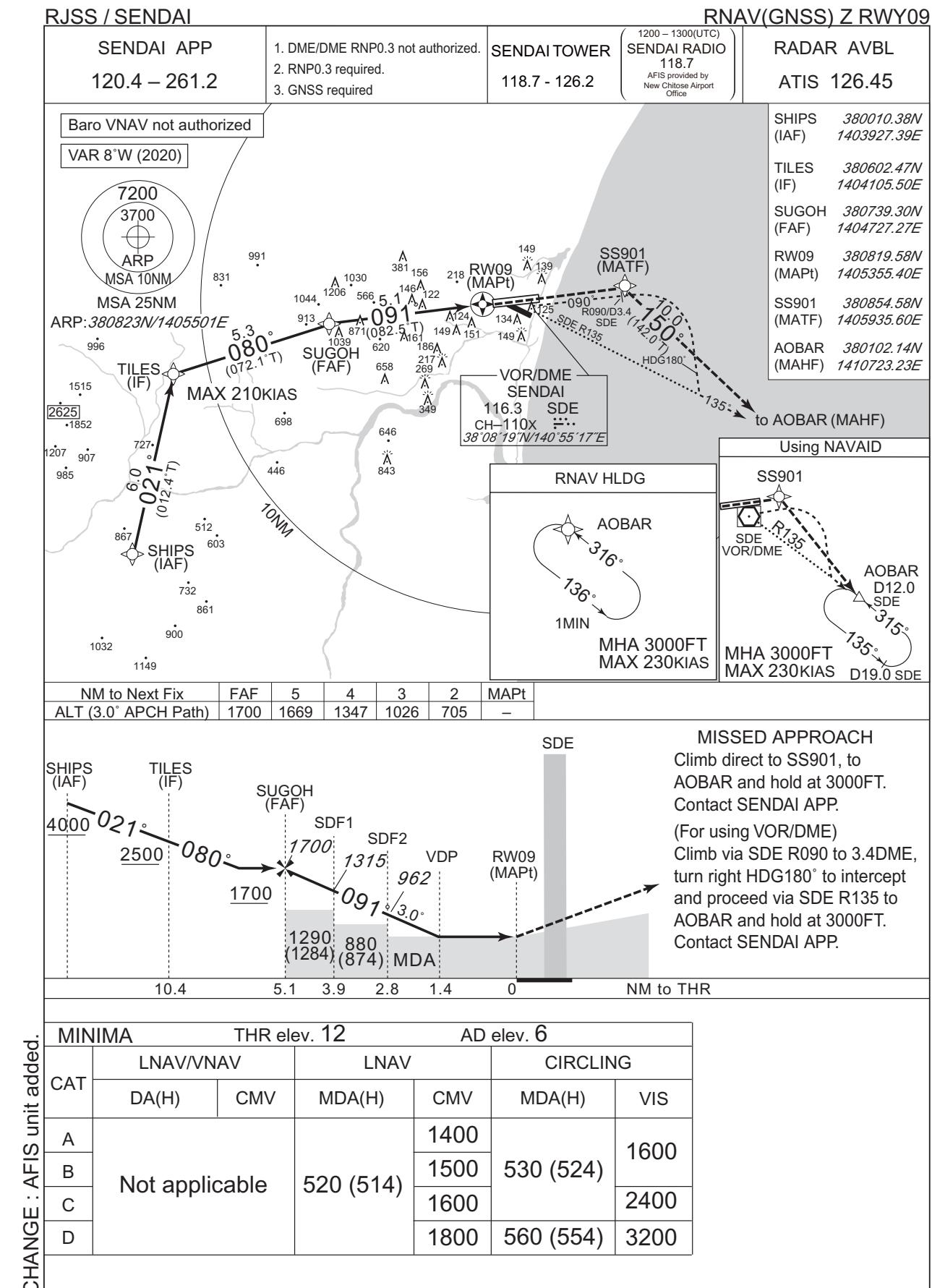
INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

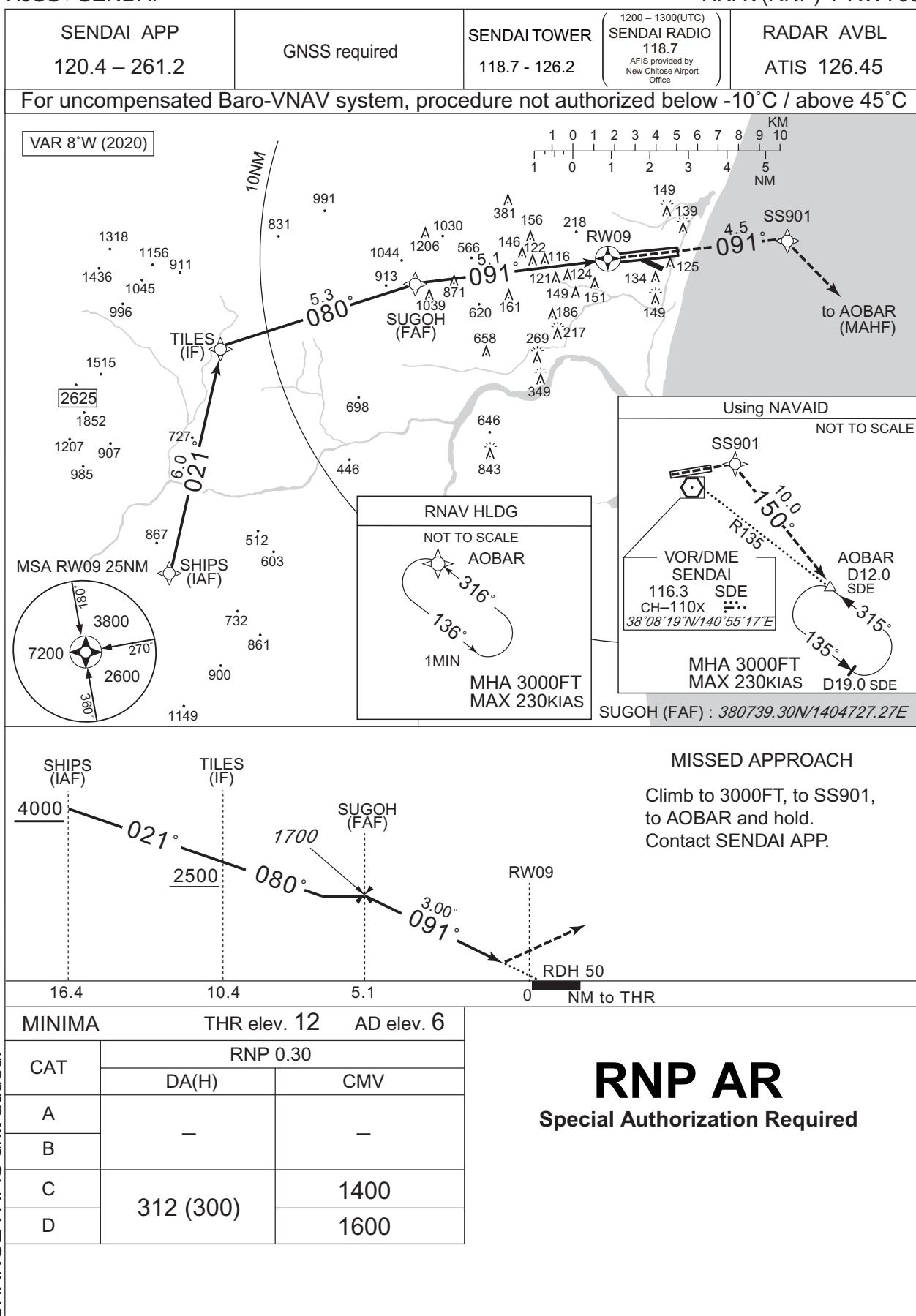


INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJSS / SENDAI



INSTRUMENT APPROACH CHART

RJSS / SENDAI

RNAV(RNP) Y RWY09

RNAV(RNP) Y RWY09Coding 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 | SHIPS | — | — | -8.3 | — | — | +4000 | — | — | — |
| 002 | TF | TILES | — | 021 (012.4) | -8.3 | 6.0 | — | +2500 | — | — | 1.0 |
| 003 | TF | SUGOH | — | 080 (072.1) | -8.3 | 5.3 | — | 1700 | — | — | 1.0 |
| 004 | TF | RW09 | Y | 091 (082.5) | -8.3 | 5.1 | — | 62 | — | -3.00/50 | 0.3 |
| 005 | TF | SS901 | — | 091 (082.5) | -8.3 | 4.5 | — | — | — | — | 1.0 |
| 006 | TF | AOBAR | — | 150 (142.0) | -8.3 | 10.0 | — | 3000 | — | — | 1.0 |

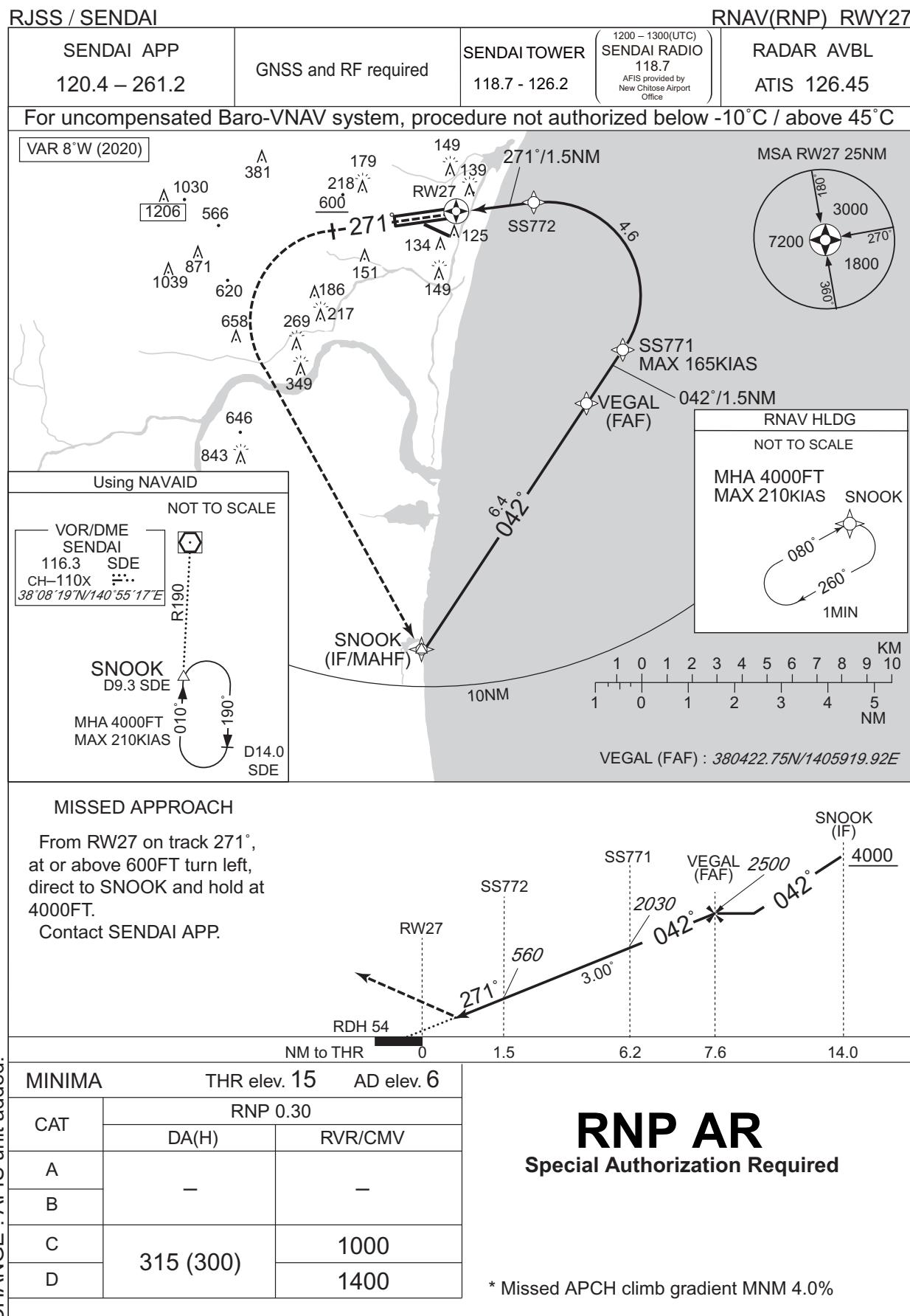
| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | RNP Value |
|------|---------------------|-----------------------|--------------------|---------------------|----------------|-----------------------|-----------------------|--------------|-----------|
| Hold | AOBAR | 316 (307.5) | -8.3 | 1.0(-14000) | L | 3000 | FL140 | -230(-14000) | 1.0 |

Waypoint Coordinates

| Waypoint Identifier | Coordinates |
|---------------------|------------------------|
| SHIPS | 380010.38N/1403927.39E |
| TILES | 380602.47N/1404105.50E |
| SUGOH | 380739.30N/1404727.27E |
| RW09 | 380819.58N/1405355.40E |
| SS901 | 380854.58N/1405935.60E |
| AOBAR | 380102.14N/1410723.23E |

CHANGE : VAR. PROC course. RNAV HLDG pattern established.

INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJSS / SENDAI

RNAV(RNP) RWY27

RNAV(RNP) RWY27Coding 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 | SNOOK | — | — | -8.3 | — | — | +4000 | — | — | — |
| 002 | TF | VEGAL | — | 042 (033.3) | -8.3 | 6.4 | — | 2500 | — | — | 1.0 |
| 003 | TF | SS771 | — | 042 (033.4) | -8.3 | 1.5 | — | 2030 | -165 | -3.00 | 0.3 |
| 004 | RF Center: SSRF1 R=2.02NM | SS772 | — | — | -8.3 | 4.6 | L | 560 | — | -3.00 | 0.3 |
| 005 | TF | RW27 | Y | 271 (262.6) | -8.3 | 1.5 | — | 69 | — | -3.00/54 | 0.3 |
| 006 | FA | — | — | 271 (262.6) | -8.3 | — | — | +600 | — | — | 1.0 |
| 007 | DF | SNOOK | — | — | -8.3 | — | L | 4000 | — | — | 1.0 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | RNP Value |
|------|---------------------|-----------------------|--------------------|---------------------|----------------|-----------------------|-----------------------|--------------|-----------|
| Hold | SNOOK | 080 (071.9) | -8.3 | 1.0(-14000) | R | 4000 | FL140 | -210(-14000) | 1.0 |

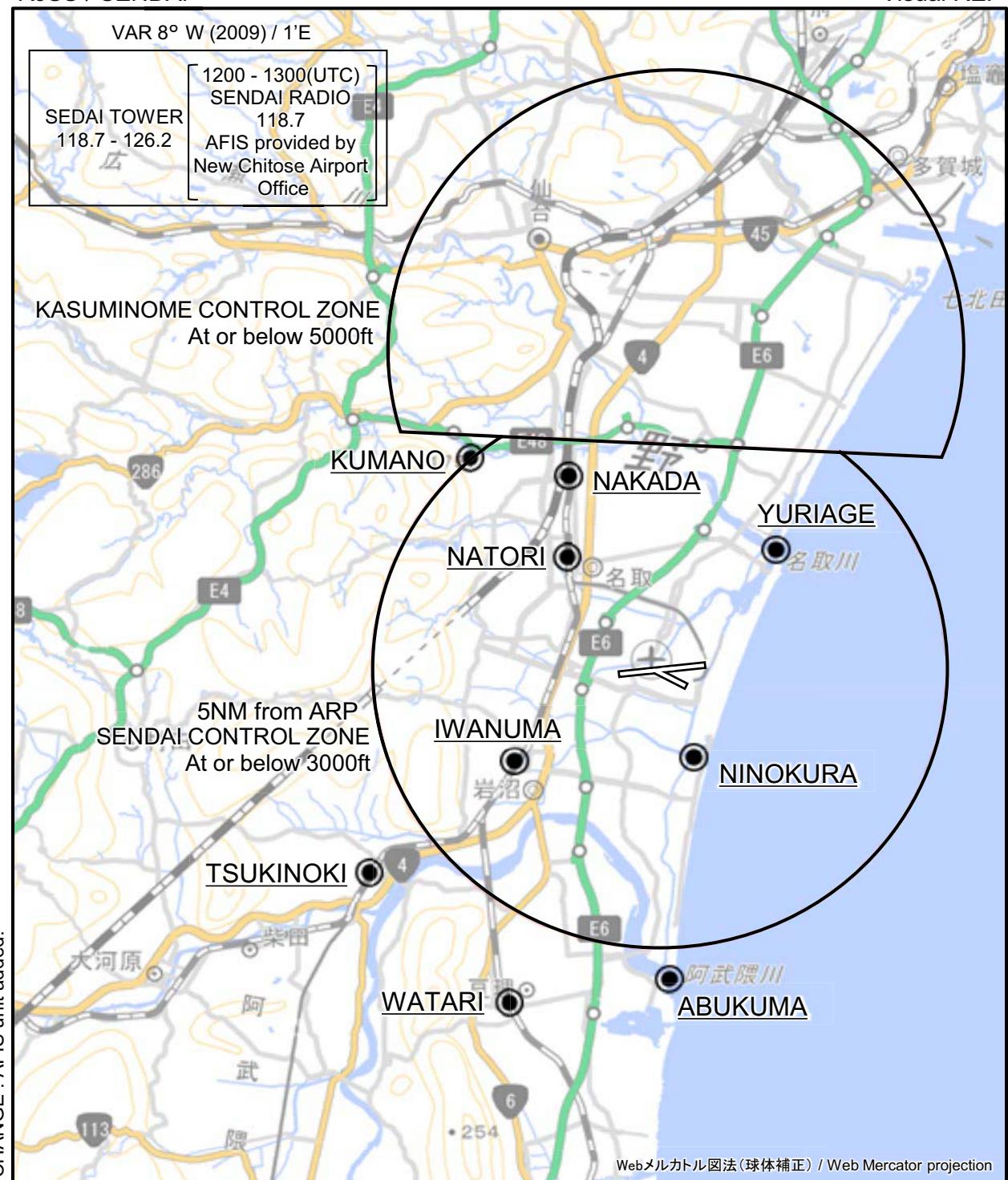
Waypoint Coordinates

| Waypoint Identifier | Coordinates | RF Arc Center Identifier | Coordinates |
|---------------------|------------------------|--------------------------|------------------------|
| SNOOK | 375901.53N/1405451.66E | SSRF1 | 380643.74N/1405813.69E |
| VEGAL | 380422.75N/1405919.92E | | |
| SS771 | 380536.78N/1410021.86E | | |
| SS772 | 380844.14N/1405753.87E | | |
| RW27 | 380832.18N/1405557.56E | | |

CHANGE : VAR. PROC course. RNAV HLDG pattern established.

RJSS / SENDAI

Visual REP



RJSS / SENDAI

Visual REP

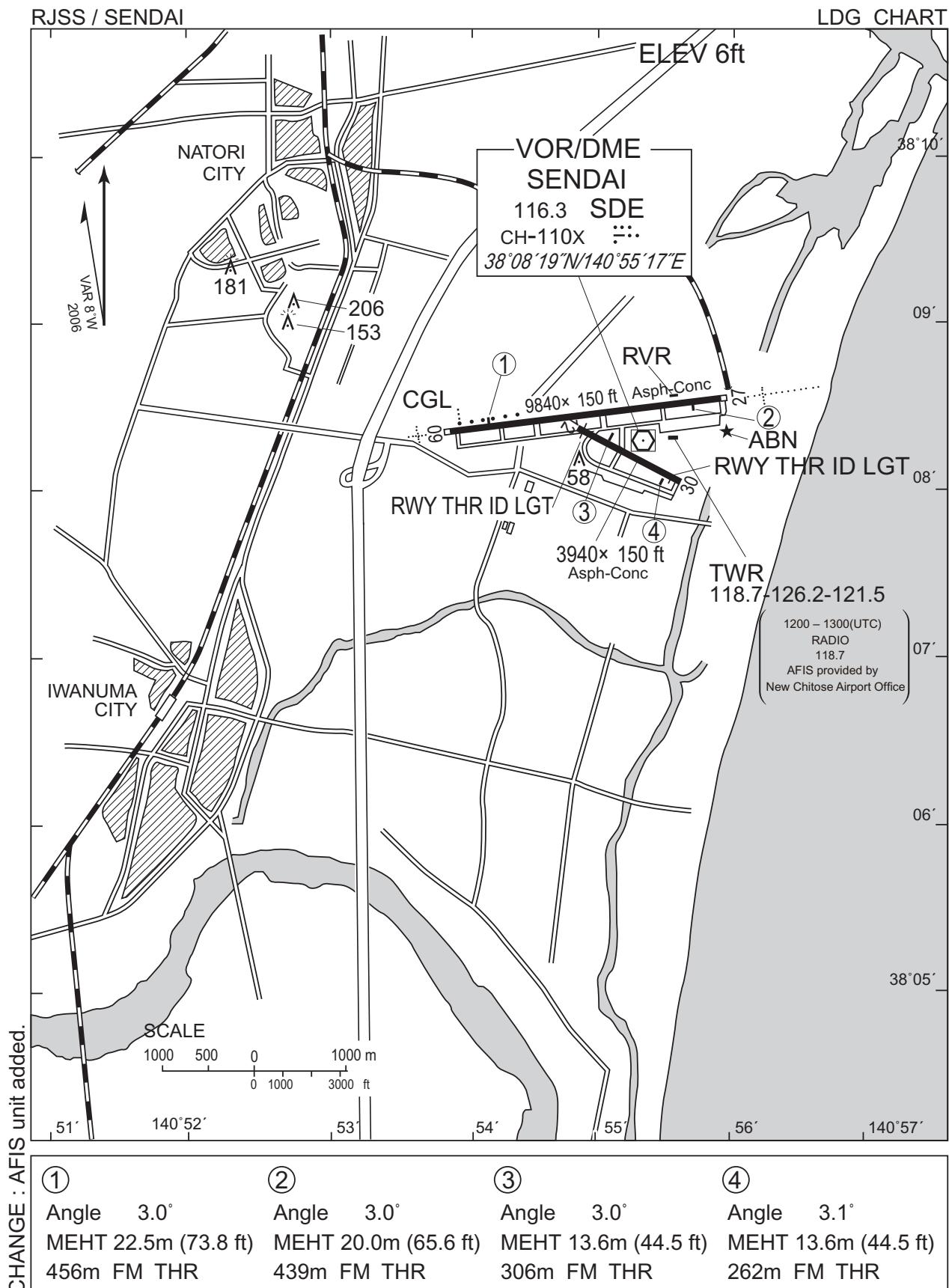
| Call sign | BRG / DIST from ARP | Remarks |
|-----------------|---------------------|--------------------------------------|
| 熊野 Kumano | 319°T / 5.0NM | 熊野神社 Kumano Shrine |
| 中田 Nakada | 336°T / 3.8NM | JR南仙台駅 Station |
| 閑上 Yuriage | 043°T / 2.9NM | 名取川河口 River-mouth of the Natori |
| 名取 Natori | 321°T / 2.6NM | JR名取駅 Station |
| 二の倉 Ninokura | 160°T / 1.7NM | 県南浄化センター Sewage disposal center |
| 岩沼 Iwanuma | 236°T / 3.0NM | JR岩沼駅 Station |
| 楓木 Tsukinoki | 234°T / 6.2NM | JR楓木駅 Station |
| 阿武隈 Abukuma | 178°T / 5.6NM | 阿武隈川河口 River-mouth of the Abukuma |
| 亘理 Watari | 204°T / 6.5NM | JR亘理駅 Station |

注：有視界飛行方式により霞目管制圏から仙台管制圏へ進入しようとする航空機は、仙台管制圏に入圏する前に仙台タワーまたは仙台レディオへ通報すること。

NOTE : When any VFR flight enters SENDAI CTR directly via KASUMINOME CTR, the pilot shall report to "SENDAI TWR" or "SENDAI RADIO" before entering SENDAI CTR.

注：VFR機とIFR機の航行の安全のため、仙台進入管制区のうち、仙台空港から15NM以内の地域をVFRで航行する場合は、仙台TCAと積極的にコンタクトすること。

NOTE : In order to ensure the safety operations for both VFR and IFR aircraft, VFR aircraft should contact SENDAI TCA positively when the flight includes SENDAI Approach Control Area, within 15 miles from Sendai Airport.



RJSS / SENDAI

Minimum Vectoring Altitude CHART

VAR 8°W (2011)

