

## RJDC / YAMAGUCHI-UBE

## AD CHART



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STANDARD DEPARTURE CHART - INSTRUMENT

RJDC / YAMAGUCHI-UBE

SID

UBE REVERSAL TWO DEPARTURE

RWY07 : Climb RWY HDG to 500FT, turn right HDG178°...

RWY25 : Climb RWY HDG to 500FT, turn left HDG088°...

...to intercept and proceed via UBE R133 to 4000FT, turn right, direct to UBE VOR/DME.

Cross UBE VOR/DME at or above 5000FT.

HIMEH EIGHT DEPARTURE

RWY07 : Climb RWY HDG to 500FT, turn right HDG178°...

RWY25 : Climb RWY HDG to 500FT, turn left HDG088°...

...to intercept and proceed via UBE R133 to HIMEH.



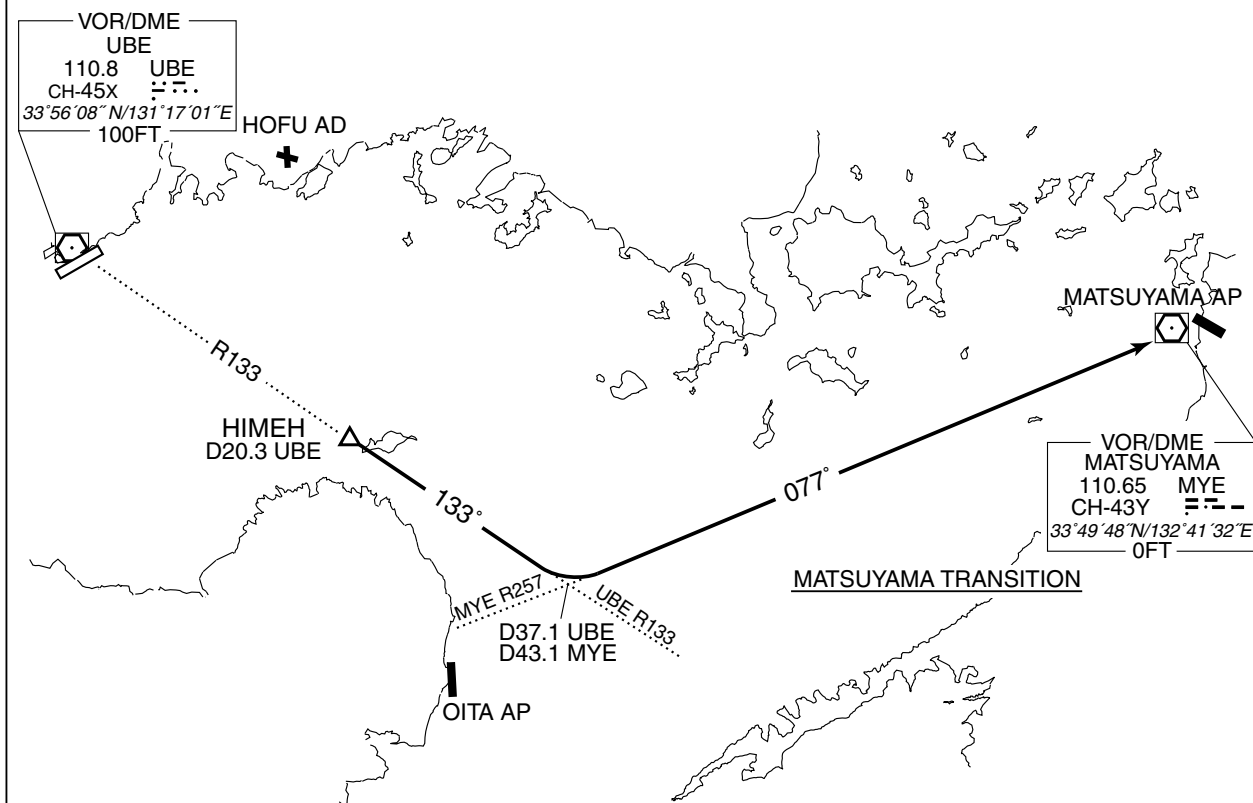
## STANDARD DEPARTURE CHART - INSTRUMENT

RJDC / YAMAGUCHI-UBE

TRANSITION

MATSUYAMA TRANSITION

From over HIMEH, via UBE R133 to intercept and proceed via MYE R257 to MYE VOR/DME.



STANDARD DEPARTURE CHART - INSTRUMENT

RJDC / YAMAGUCHI-UBE

TRANSITION

MARCO TRANSITION

From over HIMEH, via UBE R133 to intercept and proceed via TFE R038 to MARCO.

MUSASHI TRANSITION

From over HIMEH, via TFE R346 to TFE VOR/DME.



## STANDARD DEPARTURE CHART - INSTRUMENT

RJDC / YAMAGUCHI-UBE

RNAV SID

## HIMESHIMA ONE DEPARTURE

Basic RNP1

Note GNSS required.

**HIMESHIMA ONE DEPARTURE**

RWY07 : Climb on HDG 069° at or above 500FT, turn right direct to KOHEI, to HIMEH.

RWY25 : Climb on HDG 249° at or above 500FT, turn left direct to KOHEI, to HIMEH.

**HIMESHIMA ONE DEPARTURE**

## RWY07

| 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              | —                   | —        | 069<br>(062.2) | -7.1               | —             | —              | +500          | —            | —              | Basic RNP1               |
| 002           | DF              | KOHEI               | —        | —              | -7.1               | —             | R              | —             | —            | —              | Basic RNP1               |
| 003           | TF              | HIMEH               | —        | 133<br>(125.8) | -7.1               | 11.5          | —              | —             | —            | —              | Basic RNP1               |

## RWY25

| 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              | —                   | —        | 249<br>(242.2) | -7.1               | —             | —              | +500          | —            | —              | Basic RNP1               |
| 002           | DF              | KOHEI               | —        | —              | -7.1               | —             | L              | —             | —            | —              | Basic RNP1               |
| 003           | TF              | HIMEH               | —        | 133<br>(125.8) | -7.1               | 11.5          | —              | —             | —            | —              | Basic RNP1               |

## STANDARD DEPARTURE CHART - INSTRUMENT

## RJDC / YAMAGUCHI-UBE

## RNAV TRANSITION

| ABARTO TRANSITION   |                       |   | RNAV 1 |
|---|-----------------------|---|--------|
| Note 1 ) DME/DME/IRU or GNSS required.<br>2 ) RADAR service required. | Critical DME          | —   |        |
|   | DME GAP               | —   |        |
|   | Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |        |

VAR 7°W (2012)

ABARTO TRANSITION

ABARTO TRANSITION

From HIMEH, to ALFET at or above FL160, to MILAN, to FIATO.

| 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              | HIMEH               | —        | —              | -7.1               | —             | —              | —             | —            | —              | RNAV1                    |
| 002           | TF              | ALFET               | —        | 109<br>(102.2) | -7.1               | 19.8          | —              | +FL160        | —            | —              | RNAV1                    |
| 003           | TF              | MILAN               | —        | 072<br>(065.1) | -7.1               | 37.3          | —              | —             | —            | —              | RNAV1                    |
| 004           | TF              | FIATO               | —        | 082<br>(075.2) | -7.1               | 19.7          | —              | —             | —            | —              | RNAV1                    |

INSTRUMENT APPROACH CHART

RJDC / YAMAGUCHI-UBE

ILS or LOC RWY07



| MINIMA |           | THR elev. 23 |           | AD elev. 15 |           |      |
|--------|-----------|--------------|-----------|-------------|-----------|------|
| CAT    | CAT I     |              | LOC       |             | CIRCLING  |      |
|        | DA(H)     | RVR/<br>CMV  | MDA(H)    | RVR/<br>CMV | MDA(H)    | VIS  |
| A      | 223 (200) | 550          | 370 (355) | 900         | 440 (425) | 1600 |
| B      |           |              |           | 1000        | 470 (455) |      |
| C      |           |              |           |             |           | 2400 |
| D      |           |              |           |             |           |      |

Circling to SOUTH side of RWY only.



## INSTRUMENT APPROACH CHART

RJDC / YAMAGUCHI-UBE

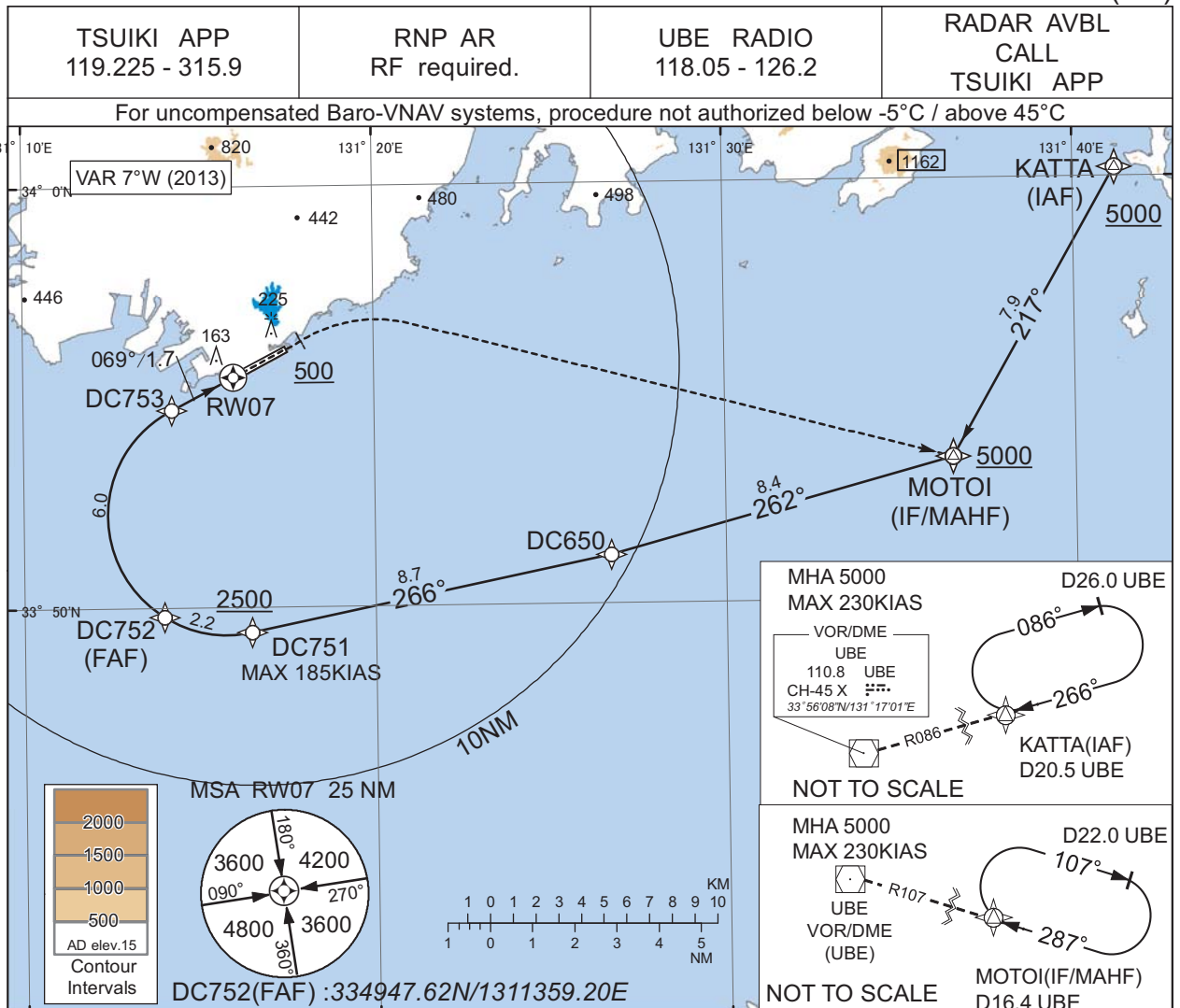
VOR RWY07



INSTRUMENT APPROACH CHART

RJDC / YAMAGUCHI-UBE

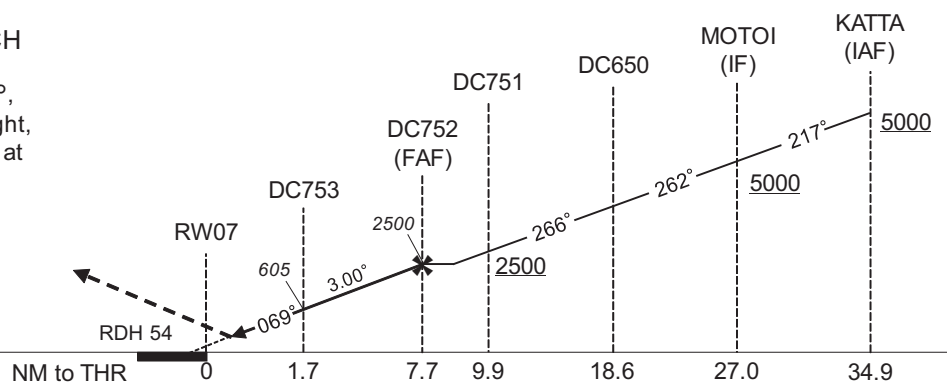
RNP RWY07(AR)



CHANGE : PROC renamed. Requirement for RNP.

MISSED APPROACH

From RW07 on track 069°,  
at or above 500FT turn right,  
direct to MOTOI and hold at  
5000FT.  
Contact TSUIKI APP.



| MINIMA | THR elev. 23 | AD elev. 15 |
|--------|--------------|-------------|
| CAT    | RNP 0.30     |             |
|        | DA(H)        | RVR/CMV     |
| A      | -            | -           |
| B      | -            | -           |
| C      | 324(301)     | 1000        |
| D      |              | 1400        |

**Authorization Required**

## INSTRUMENT APPROACH CHART

RJDC / YAMAGUCHI-UBE

RNP RWY07(AR)

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                                 | KATTA               | -        | -              | -7.1               | -             | -              | +5000         | -            | -               | -         |
| 002           | TF                                 | MOTOI               | -        | 217<br>(209.7) | -7.1               | 7.9           | -              | +5000         | -            | -               | 1.0       |
| 003           | TF                                 | DC650               | -        | 262<br>(254.7) | -7.1               | 8.4           | -              | -             | -            | -               | 1.0       |
| 004           | TF                                 | DC751               | -        | 266<br>(258.4) | -7.1               | 8.7           | -              | +2500         | -185         | -               | 1.0       |
| 005           | RF<br>Center:<br>DCRF1<br>r=2.83NM | DC752               | -        | -              | -7.1               | 2.2           | R              | 2500          | -            | -               | 1.0       |
| 006           | RF<br>Center:<br>DCRF1<br>r=2.83NM | DC753               | -        | -              | -7.1               | 6.0           | R              | 605           | -            | -3.00           | 0.3       |
| 007           | TF                                 | RW07                | Y        | 069<br>(062.1) | -7.1               | 1.7           | -              | 77            | -            | -3.00/54        | 0.3       |
| 008           | FA                                 | -                   | -        | 069<br>(062.1) | -7.1               | -             | -              | +500          | -            | -               | 1.0       |
| 009           | DF                                 | MOTOI               | -        | -              | -7.1               | -             | R              | 5000          | -            | -               | 1.0       |

Waypoint Coordinates

| Waypoint Identifier | Coordinates              | RF Arc Center Identifier | Coordinates              |
|---------------------|--------------------------|--------------------------|--------------------------|
| KATTA               | 340013.04N / 1314112.84E | DCRF1                    | 335211.33N / 1311547.68E |
| MOTOI               | 335323.26N / 1313630.85E |                          |                          |
| DC650               | 335109.96N / 1312644.12E |                          |                          |
| DC751               | 334924.96N / 1311628.63E |                          |                          |
| DC752               | 334947.62N / 1311359.20E |                          |                          |
| DC753               | 335442.44N / 1311414.70E |                          |                          |
| RW07                | 335528.81N / 1311600.47E |                          |                          |

CHANGE : PROC renamed.

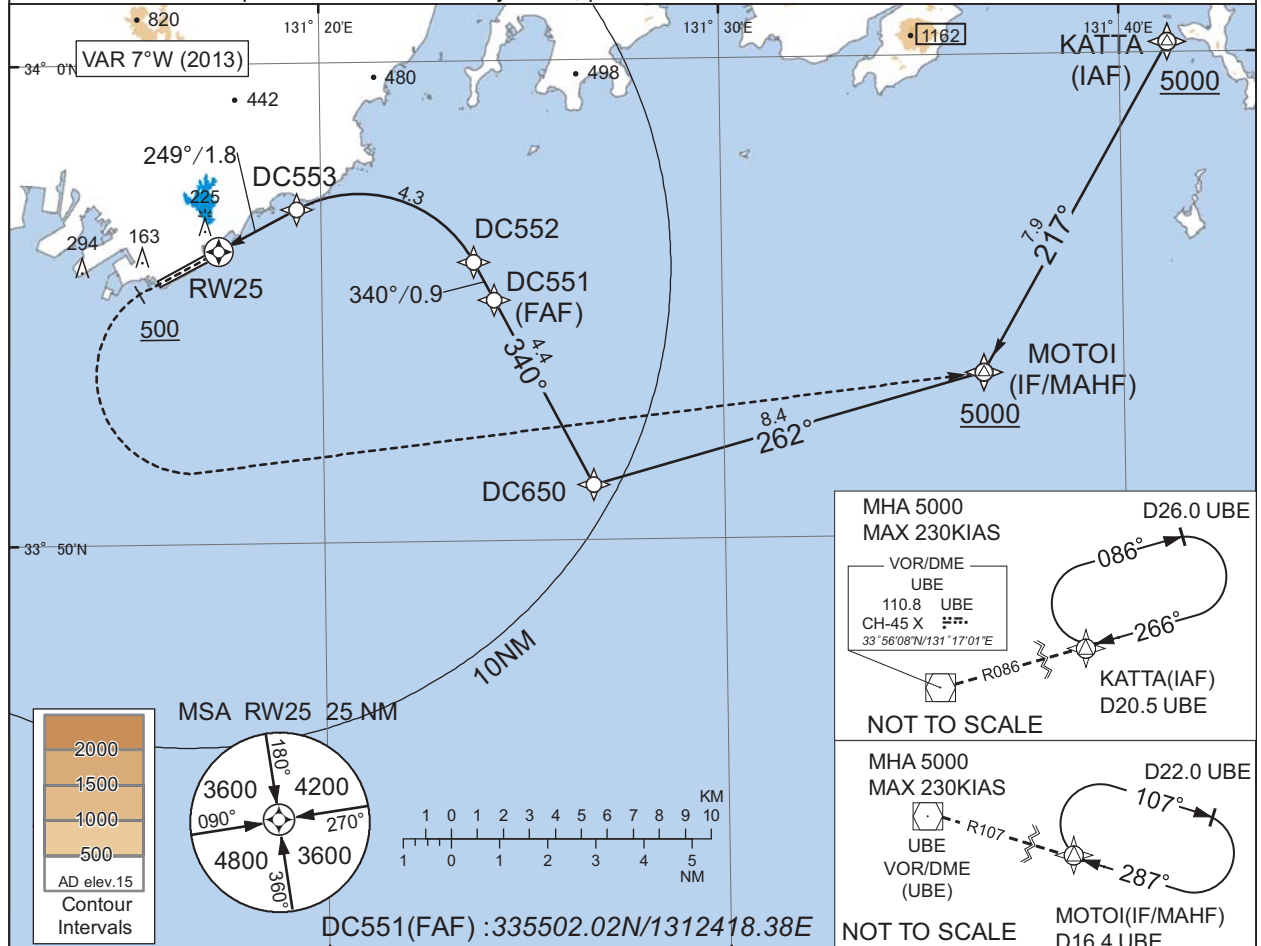
INSTRUMENT APPROACH CHART

RJDC / YAMAGUCHI-UBE

RNP RWY25(AR)

|                               |                        |                             |                                  |
|-------------------------------|------------------------|-----------------------------|----------------------------------|
| TSUIKI APP<br>119.225 - 315.9 | RNP AR<br>RF required. | UBE RADIO<br>118.05 - 126.2 | RADAR AVBL<br>CALL<br>TSUIKI APP |
|-------------------------------|------------------------|-----------------------------|----------------------------------|

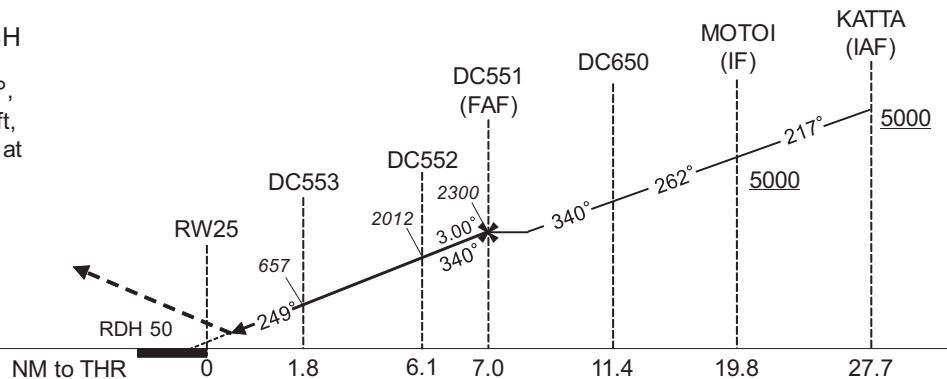
For uncompensated Baro-VNAV systems, procedure not authorized below -5°C / above 45°C



MISSED APPROACH

From RW25 on track 249°, at or above 500FT turn left, direct to MOTOI and hold at 5000FT. Contact TSUIKI APP.

CHANGE : PROC renamed. Requirement for RNP.



| MINIMA | THR elev. 22 | AD elev. 15 |
|--------|--------------|-------------|
| CAT    | RNP 0.30     |             |
|        | DA(H)        | CMV         |
| A      | -            | -           |
| B      | -            | -           |
| C      | 386(364)     | 1400        |
| D      | 386(364)     | 1600        |

**Authorization Required**

## INSTRUMENT APPROACH CHART

RJDC / YAMAGUCHI-UBE

RNP RWY25(AR)

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                                 | KATTA               | -        | -              | -7.1               | -             | -              | +5000         | -            | -               | -         |
| 002           | TF                                 | MOTOI               | -        | 217<br>(209.7) | -7.1               | 7.9           | -              | +5000         | -            | -               | 1.0       |
| 003           | TF                                 | DC650               | -        | 262<br>(254.7) | -7.1               | 8.4           | -              | -             | -            | -               | 1.0       |
| 004           | TF                                 | DC551               | -        | 340<br>(332.5) | -7.1               | 4.4           | -              | 2300          | -            | -               | 1.0       |
| 005           | TF                                 | DC552               | -        | 340<br>(332.5) | -7.1               | 0.9           | -              | 2012          | -            | -3.00           | 0.3       |
| 006           | RF<br>Center:<br>DCRF2<br>r=2.71NM | DC553               | -        | -              | -7.1               | 4.3           | L              | 657           | -            | -3.00           | 0.3       |
| 007           | TF                                 | RW25                | Y        | 249<br>(242.2) | -7.1               | 1.8           | -              | 72            | -            | -3.00/50        | 0.3       |
| 008           | FA                                 | -                   | -        | 249<br>(242.2) | -7.1               | -             | -              | +500          | -            | -               | 1.0       |
| 009           | DF                                 | MOTOI               | -        | -              | -7.1               | -             | L              | 5000          | -            | -               | 1.0       |

Waypoint Coordinates

| Waypoint Identifier | Coordinates              | RF Arc Center Identifier | Coordinates              |
|---------------------|--------------------------|--------------------------|--------------------------|
| KATTA               | 340013.04N / 1314112.84E | DCRF2                    | 335434.00N / 1312055.44E |
| MOTOI               | 335323.26N / 1313630.85E |                          |                          |
| DC650               | 335109.96N / 1312644.12E |                          |                          |
| DC551               | 335502.02N / 1312418.38E |                          |                          |
| DC552               | 335549.64N / 1312348.45E |                          |                          |
| DC553               | 335657.98N / 1311924.10E |                          |                          |
| RW25                | 335606.56N / 1311726.64E |                          |                          |

CHANGE : PROC renamed.

RJDC / YAMAGUCHI-UBE

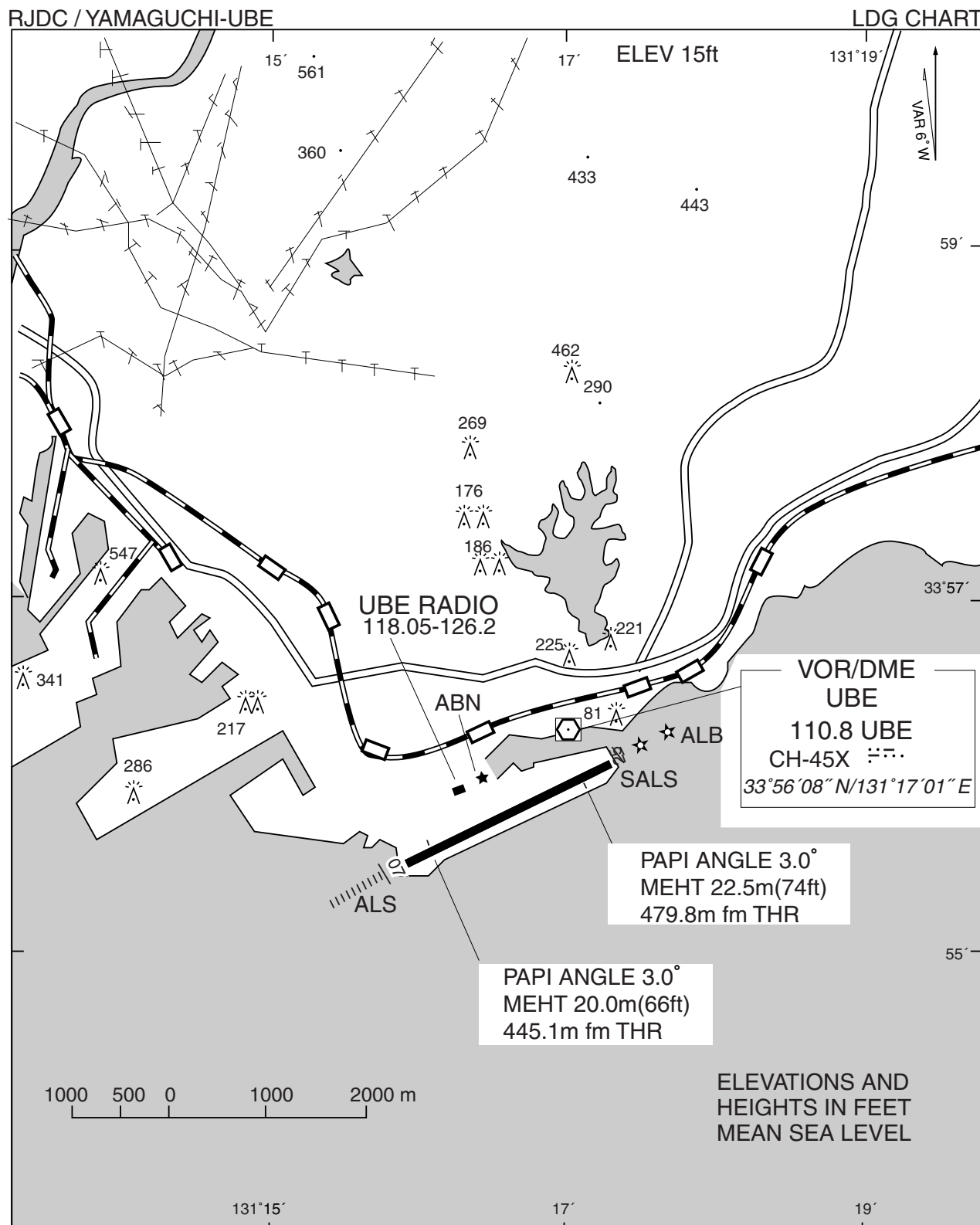
Visual REP



※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                     |
|-----------------------|---------------------|-----------------------------|
| 小郡<br>Ogori           | 031°T / 11.4NM      | JR駅<br>Station              |
| 丸山ダム<br>Maruyama Dam  | 001°T / 7.3NM       | ダム<br>Dam                   |
| 周防大橋<br>Suo-ohashi    | 042°T / 8.3NM       | 橋<br>Bridge                 |
| 小野田<br>Onoda          | 320°T / 7.3NM       | 高速道路インターチェンジ<br>Interchange |
| 竹島<br>Takeshima       | 072°T / 7.5NM       | 島<br>Island                 |
| 本山岬<br>Motoyamamisaki | 271°T / 4.9NM       | 岬<br>Cape                   |



RJDC / YAMAGUCHI-UBE

Minimum Vectoring Altitude CHART

VAR 7°W (2004)



CENTER : 334041N/1310204E (RJFZ RADAR SITE)