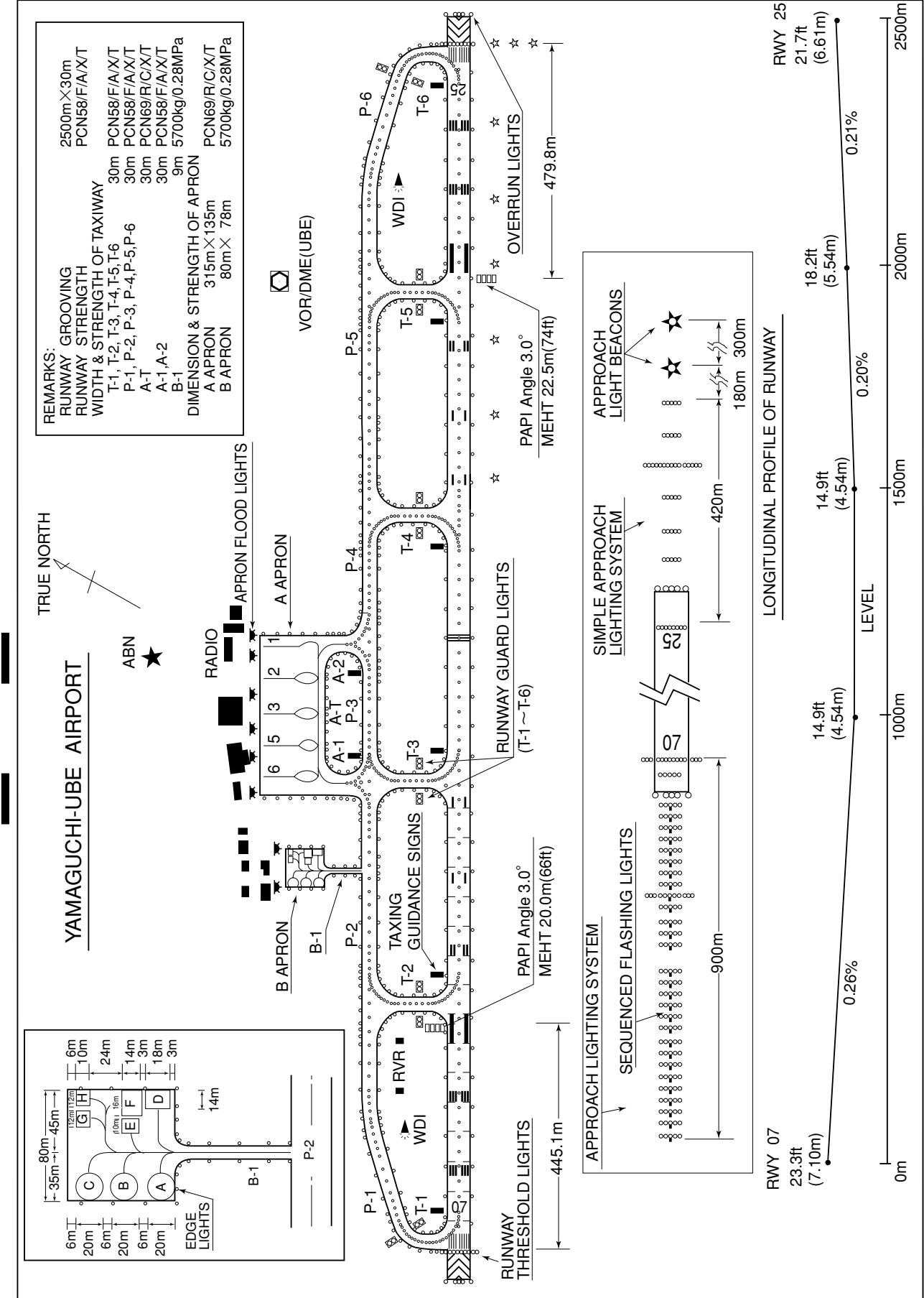


RJDC / YAMAGUCHI-UBE

AD CHART



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.



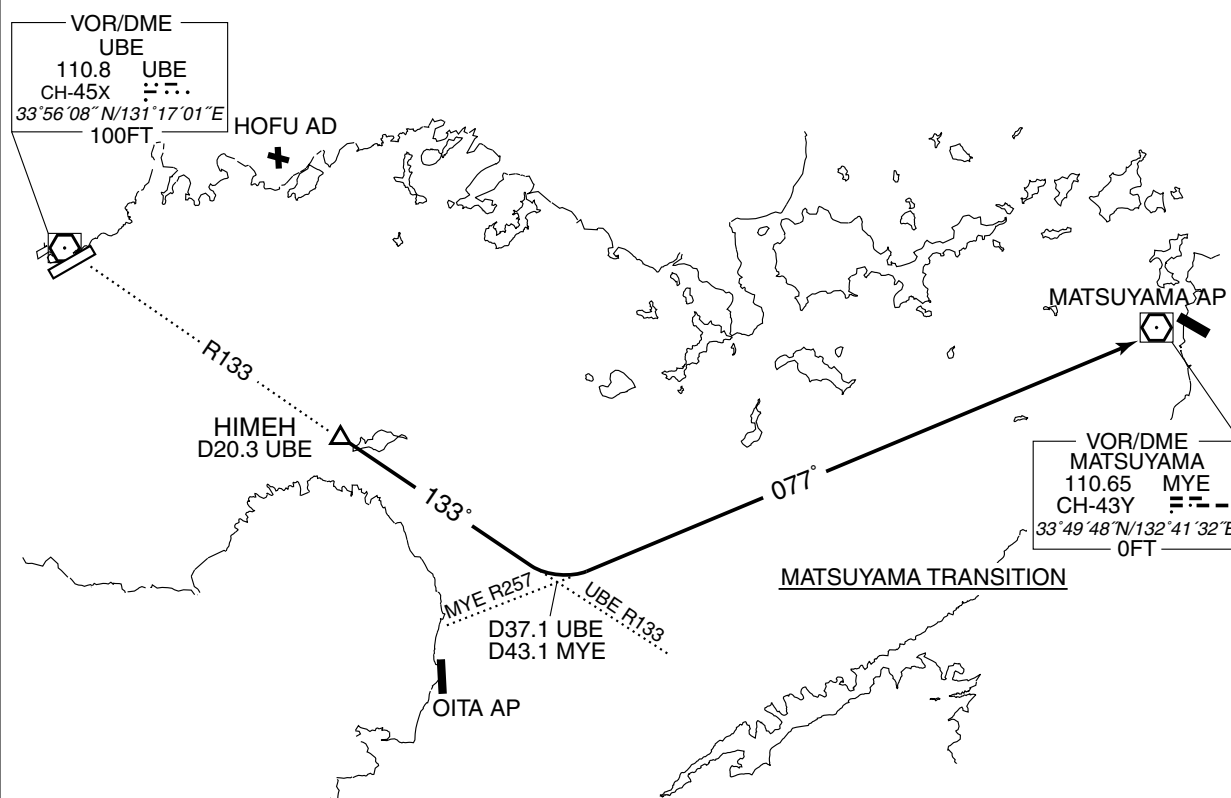
STANDARD DEPARTURE CHART - INSTRUMENT

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

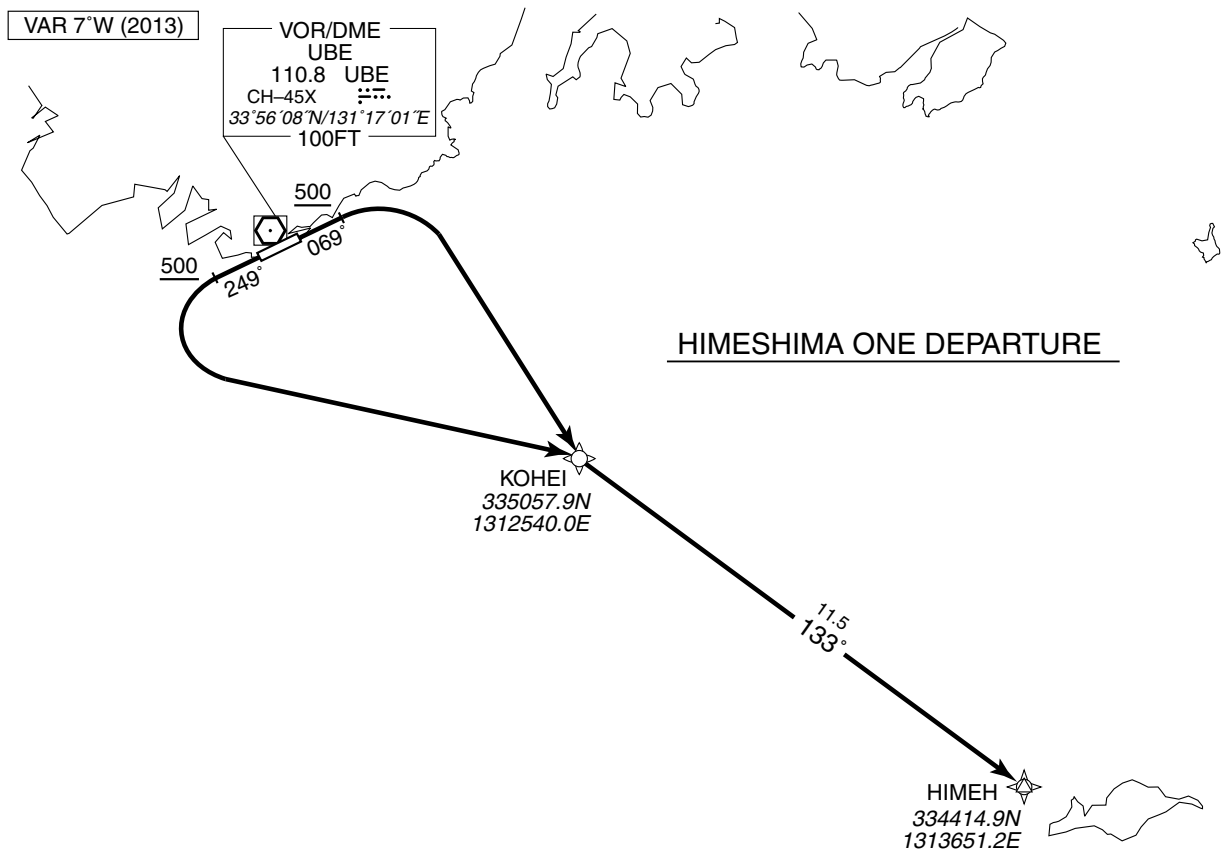
RJDC / YAMAGUCHI-UBE

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 (062.2) | -7.1 | — | — | +500 | — | — | Basic RNP1 |
| 002 | DF | KOHEI | — | — | -7.1 | — | R | — | — | — | Basic RNP1 |
| 003 | TF | HIMEH | — | 133 (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 (242.2) | -7.1 | — | — | +500 | — | — | Basic RNP1 |
| 002 | DF | KOHEI | — | — | -7.1 | — | L | — | — | — | Basic RNP1 |
| 003 | TF | HIMEH | — | 133 (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. 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

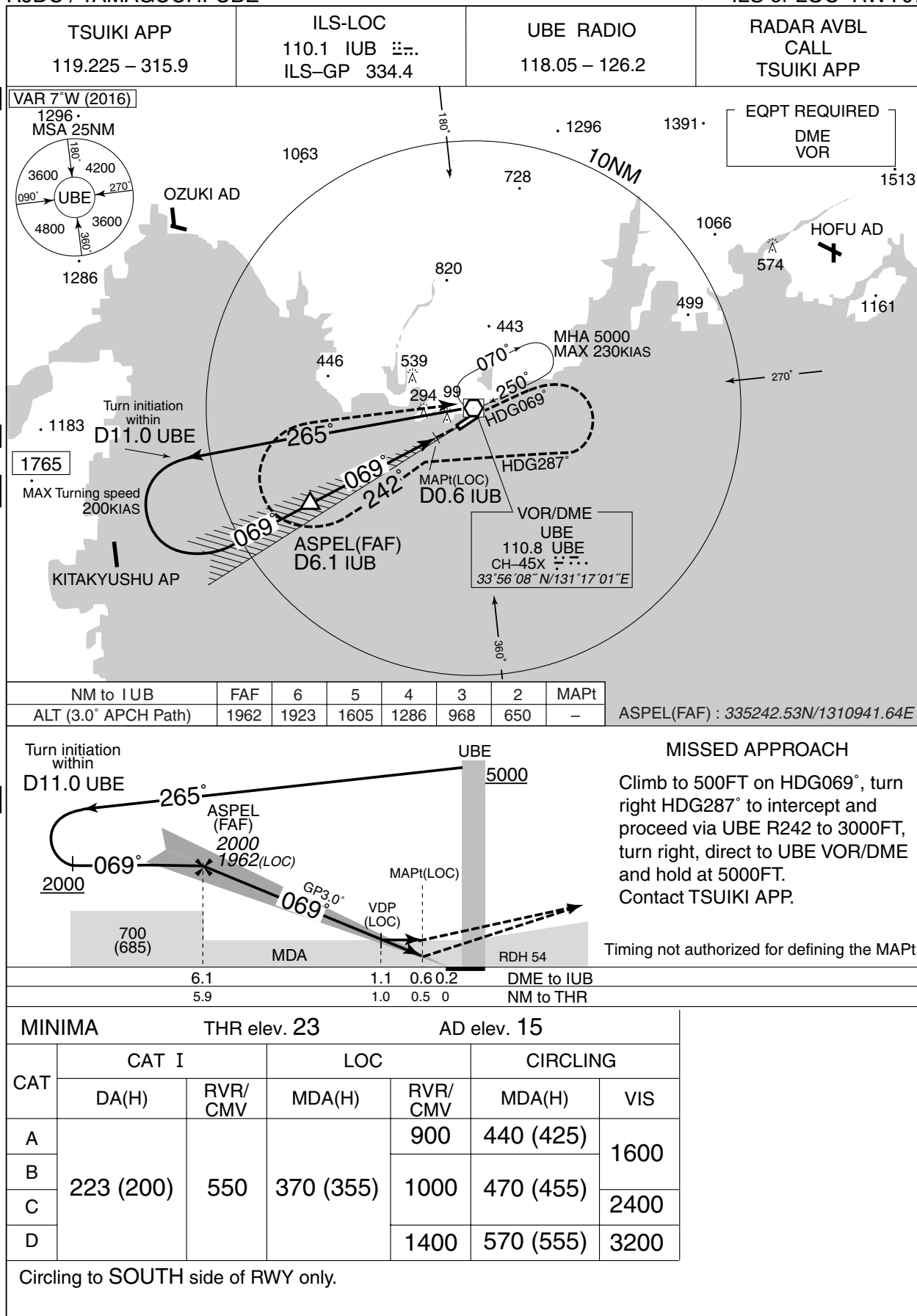
From HIMEH, to ALFET at or above FL160, to MILAN, to FIATO.

| 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 (102.2) | -7.1 | 19.8 | — | +FL160 | — | — | RNAV1 |
| 003 | TF | MILAN | — | 072 (065.1) | -7.1 | 37.3 | — | — | — | — | RNAV1 |
| 004 | TF | FIATO | — | 082 (075.2) | -7.1 | 19.7 | — | — | — | — | RNAV1 |

INSTRUMENT APPROACH CHART

RJDC / YAMAGUCHI-UBE

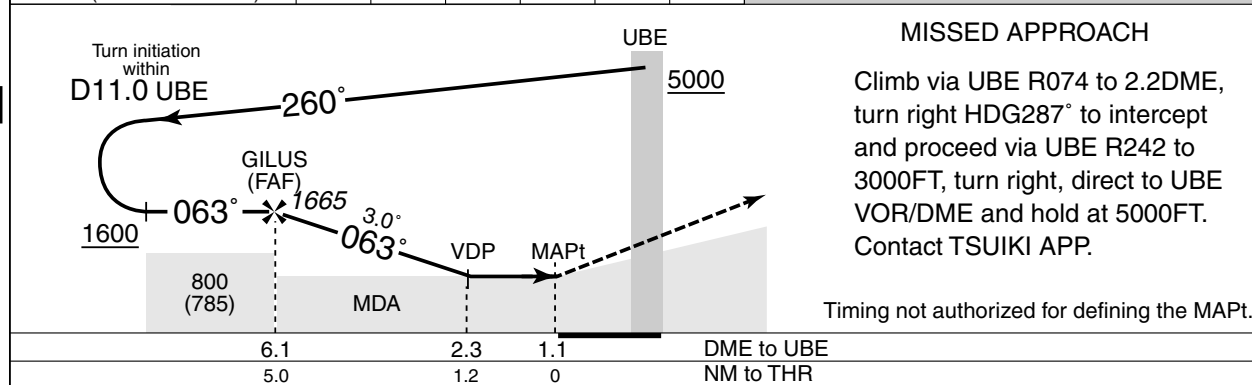
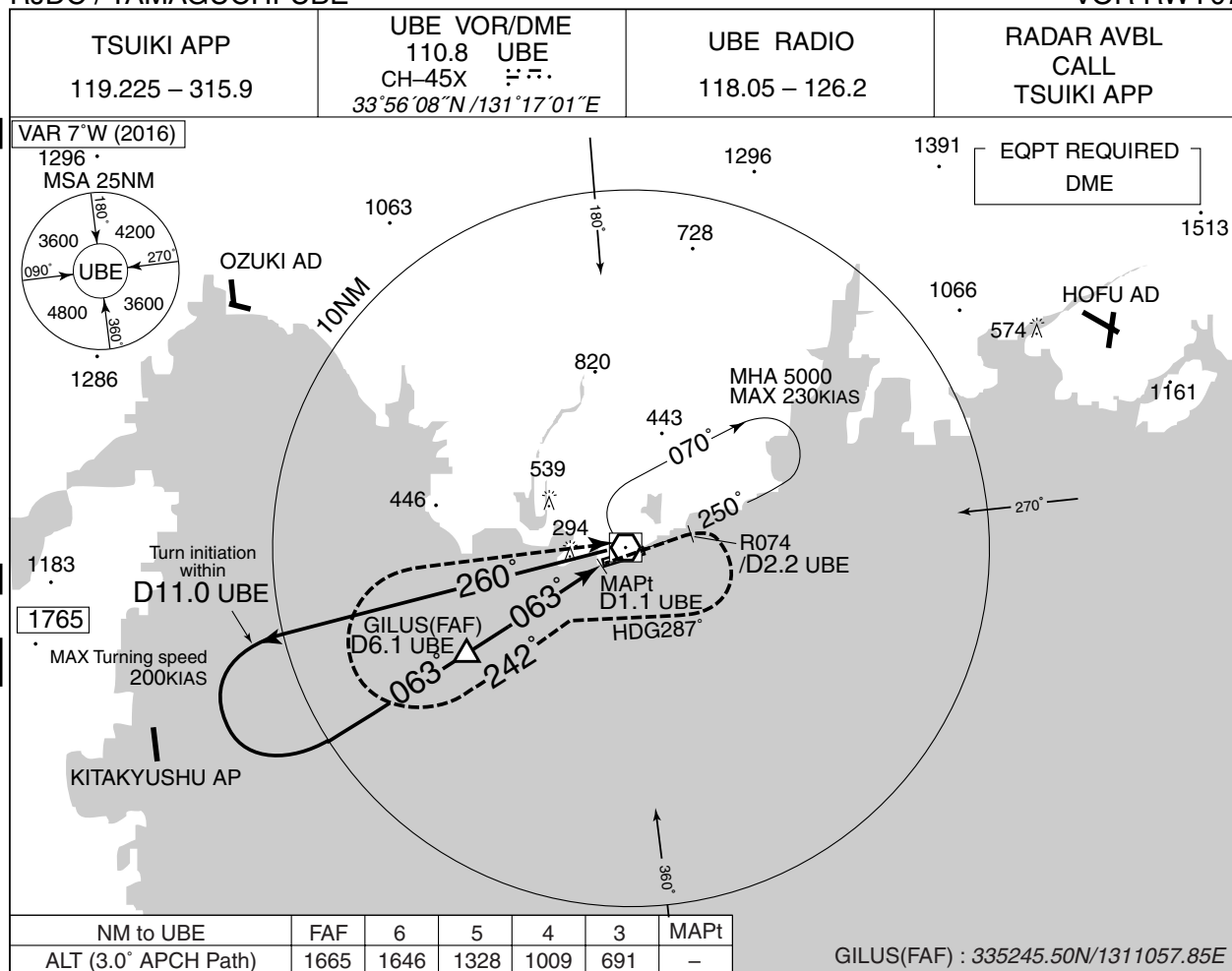
ILS or LOC RWY07



INSTRUMENT APPROACH CHART

RJDC / YAMAGUCHI-UBE

VOR RWY07



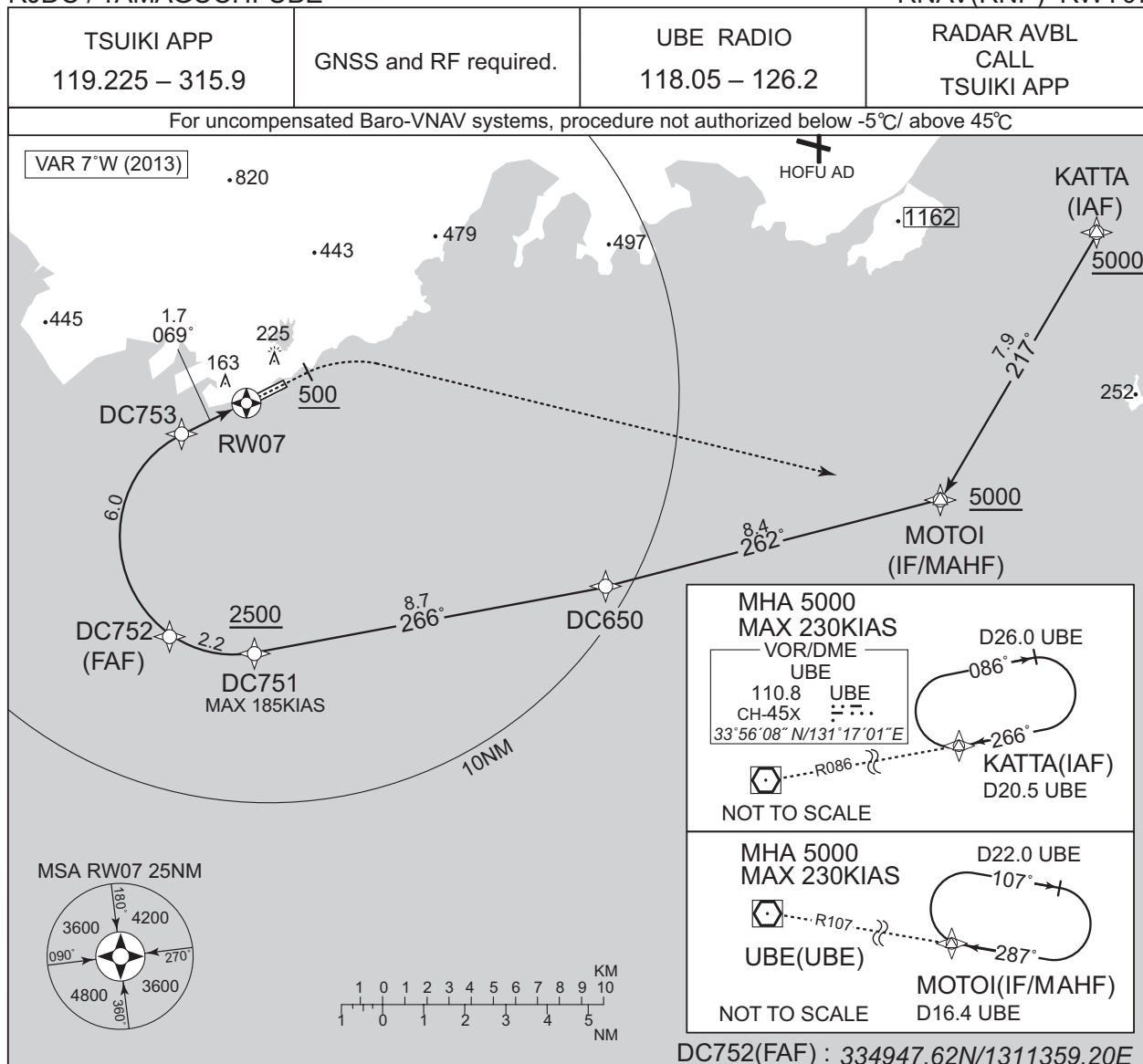
| MINIMA | | THR elev. 23 | AD elev. 15 |
|--------|-----------|--------------|----------------|
| CAT | CIRCLING | | |
| | MDA(H) | RVR/CMV | MDA(H) VIS |
| A | 450 (435) | 900 | 450 (435) 1600 |
| B | | 1000 | 470 (455) 2400 |
| C | | | |
| D | | 1400 | 570 (555) 3200 |

Circling to SOUTH side of RWY only.

INSTRUMENT APPROACH CHART

RJDC / YAMAGUCHI-UBE

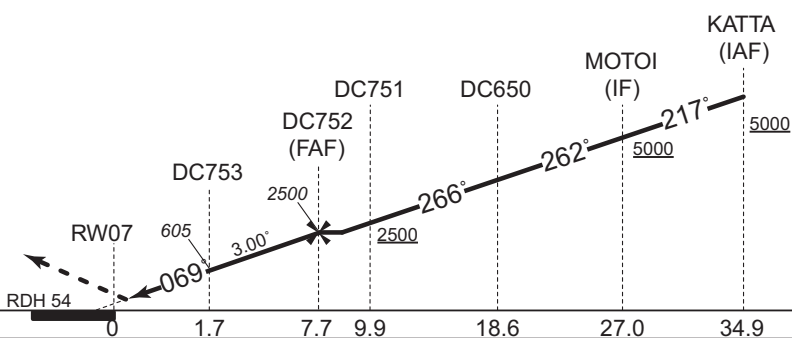
RNAV(RNP) RWY07



MISSED APPROACH

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

Contact TSUIKI APP.



CHANGE : HLDG pattern

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

RNP AR
Special Authorization Required

INSTRUMENT APPROACH CHART

RJDC / YAMAGUCHI-UBE

RNAV(RNP) RWY07

RNAV (RNP) RWY07Coding 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 (209.7) | -7.1 | 7.9 | — | +5000 | — | — | 1.0 |
| 003 | TF | DC650 | — | 262 (254.7) | -7.1 | 8.4 | — | — | — | — | 1.0 |
| 004 | TF | DC751 | — | 266 (258.4) | -7.1 | 8.7 | — | +2500 | -185 | — | 1.0 |
| 005 | RF Center: DCRF1 r=2.83NM | DC752 | — | — | -7.1 | 2.2 | R | 2500 | — | — | 1.0 |
| 006 | RF Center: DCRF1 r=2.83NM | DC753 | — | — | -7.1 | 6.0 | R | 605 | — | -3.00 | 0.3 |
| 007 | TF | RW07 | Y | 069 (062.1) | -7.1 | 1.7 | — | 77 | — | -3.00/54 | 0.3 |
| 008 | FA | — | — | 069 (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 | | |

INSTRUMENT APPROACH CHART

RJDC / YAMAGUCHI-UBE

RNAV(RNP) RWY25



CHANGE : HLDG pattern

INSTRUMENT APPROACH CHART

RJDC / YAMAGUCHI-UBE

RNAV(RNP) RWY25

RNAV (RNP) RWY25Coding Table

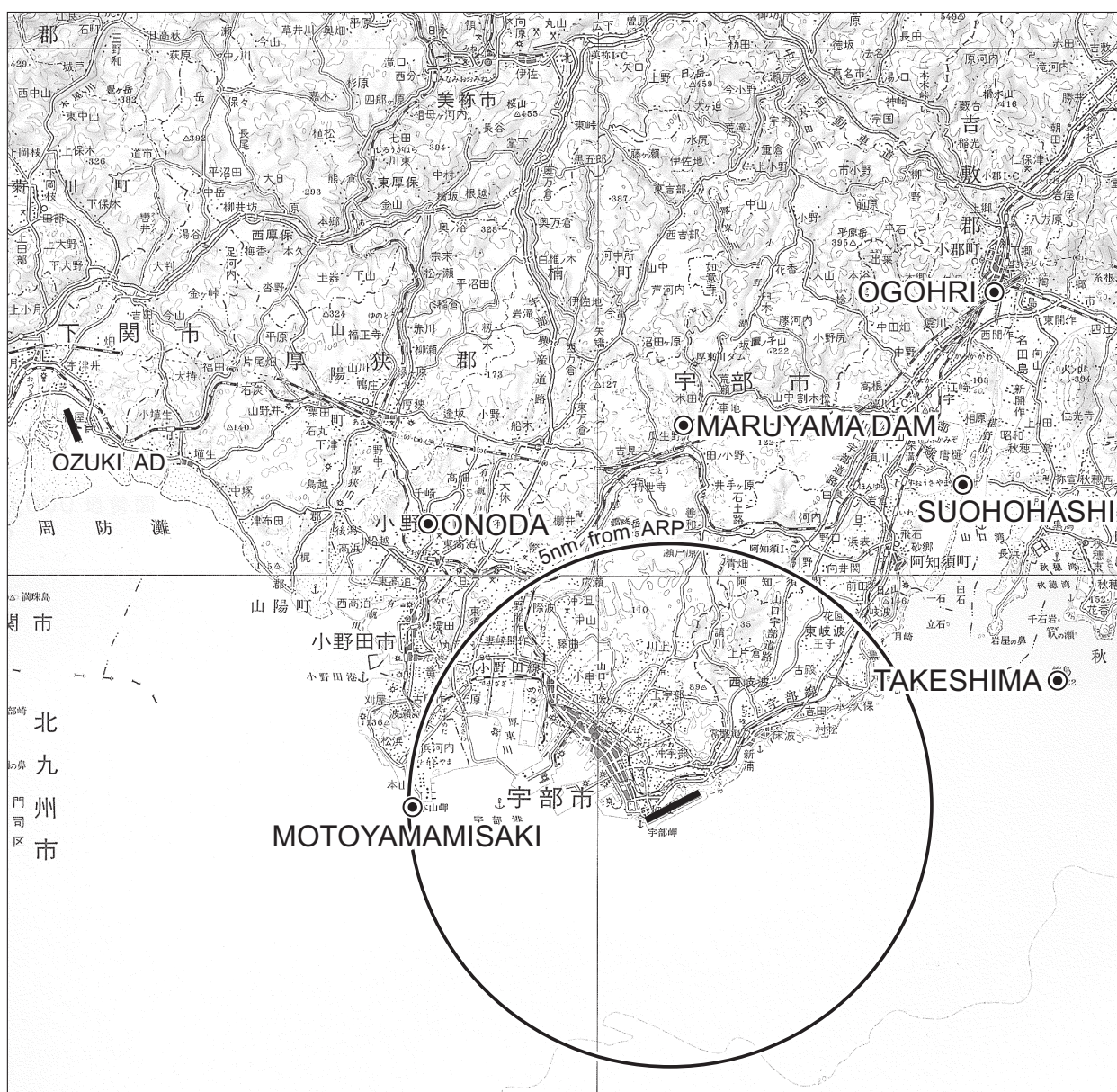
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course [°M(°T)] | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | VPA/RDH (°/FT) | RNP Value |
|---------------|------------------------------------|---------------------|----------|-----------------|--------------------|---------------|----------------|---------------|--------------|----------------|-----------|
| 001 | IF | KATTA | — | — | -7.1 | — | — | +5000 | — | — | — |
| 002 | TF | MOTOI | — | 217 (209.7) | -7.1 | 7.9 | — | +5000 | — | — | 1.0 |
| 003 | TF | DC650 | — | 262 (254.7) | -7.1 | 8.4 | — | — | — | — | 1.0 |
| 004 | TF | DC551 | — | 340 (332.5) | -7.1 | 4.4 | — | 2300 | — | — | 1.0 |
| 005 | TF | DC552 | — | 340 (332.5) | -7.1 | 0.9 | — | 2012 | — | -3.00 | 0.3 |
| 006 | RF Center: DCRF2 r=2.71NM | DC553 | — | — | -7.1 | 4.3 | L | 657 | — | -3.00 | 0.3 |
| 007 | TF | RW25 | Y | 249 (242.2) | -7.1 | 1.8 | — | 72 | — | -3.00/50 | 0.3 |
| 008 | FA | — | — | 249 (242.2) | -7.1 | — | — | +500 | — | — | 1.0 |
| 009 | DF | MOTOI | — | — | -7.1 | — | L | 5000 | — | — | 1.0 |

Waypoint Coordinates

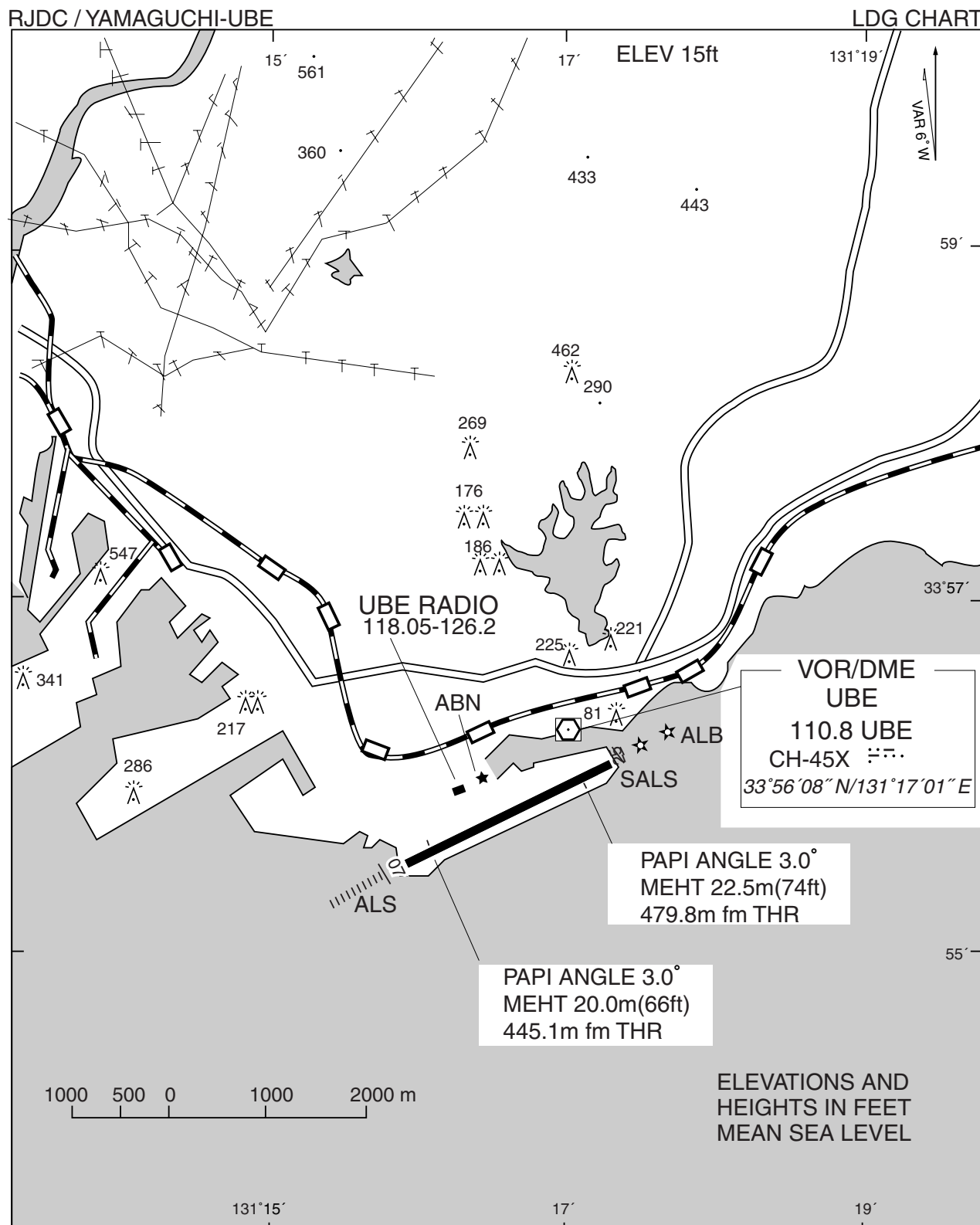
| Waypoint Identifier | Coordinates | RF Arc Center Identifier | Coordinates |
|---------------------|--------------------------|--------------------------|--------------------------|
| KATTA | 340013.04N / 1314112.84E | DCRF2 | 335434.00N / 1312055.44E |
| MOTOI | 335323.26N / 1313630.85E | | |
| DC650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

RJDC / YAMAGUCHI-UBE

Visual REP



| Call sign | BRG / DIST from ARP | Remarks |
|-------------------------|---------------------|-----------------------------|
| 小 郡 Ogohri | 031°/ 11.4NM | JR駅 Station |
| 小 野 田 Onoda | 318°/ 7.2NM | 高速道路インターチェンジ Interchange |
| 丸 山 ダム Maruyama Dam | 002°/ 7.1NM | ダム Dam |
| 本 山 岬 Motoyamamisaki | 271°/ 5.0NM | 岬 Cape |
| 周 防 大 橋 Suohohashi | 042°/ 8.3NM | 橋 Bridge |
| 竹 島 Takeshima | 072°/ 7.6NM | 島 Island |



RJDC / YAMAGUCHI-UBE

Minimum Vectoring Altitude CHART

