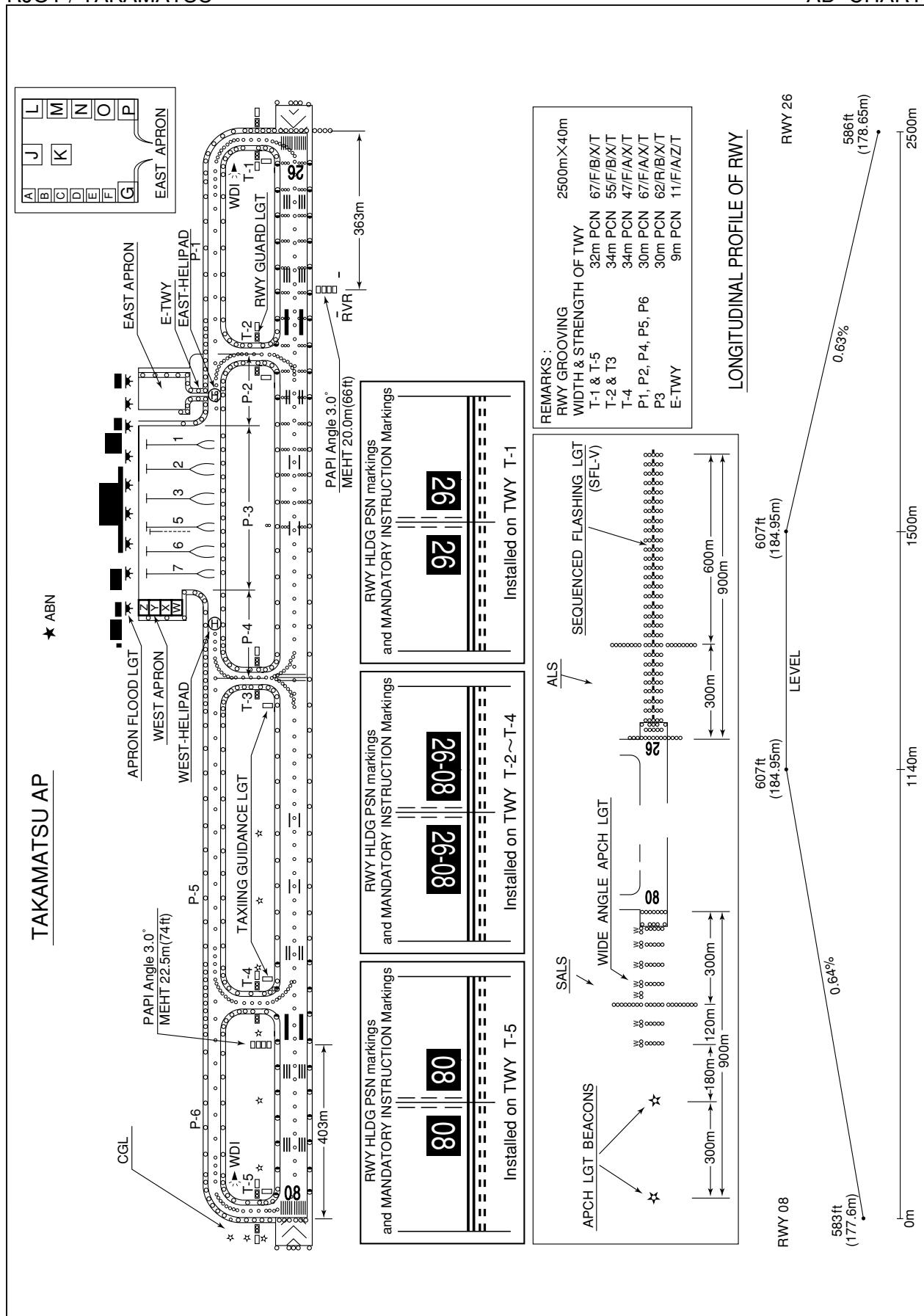


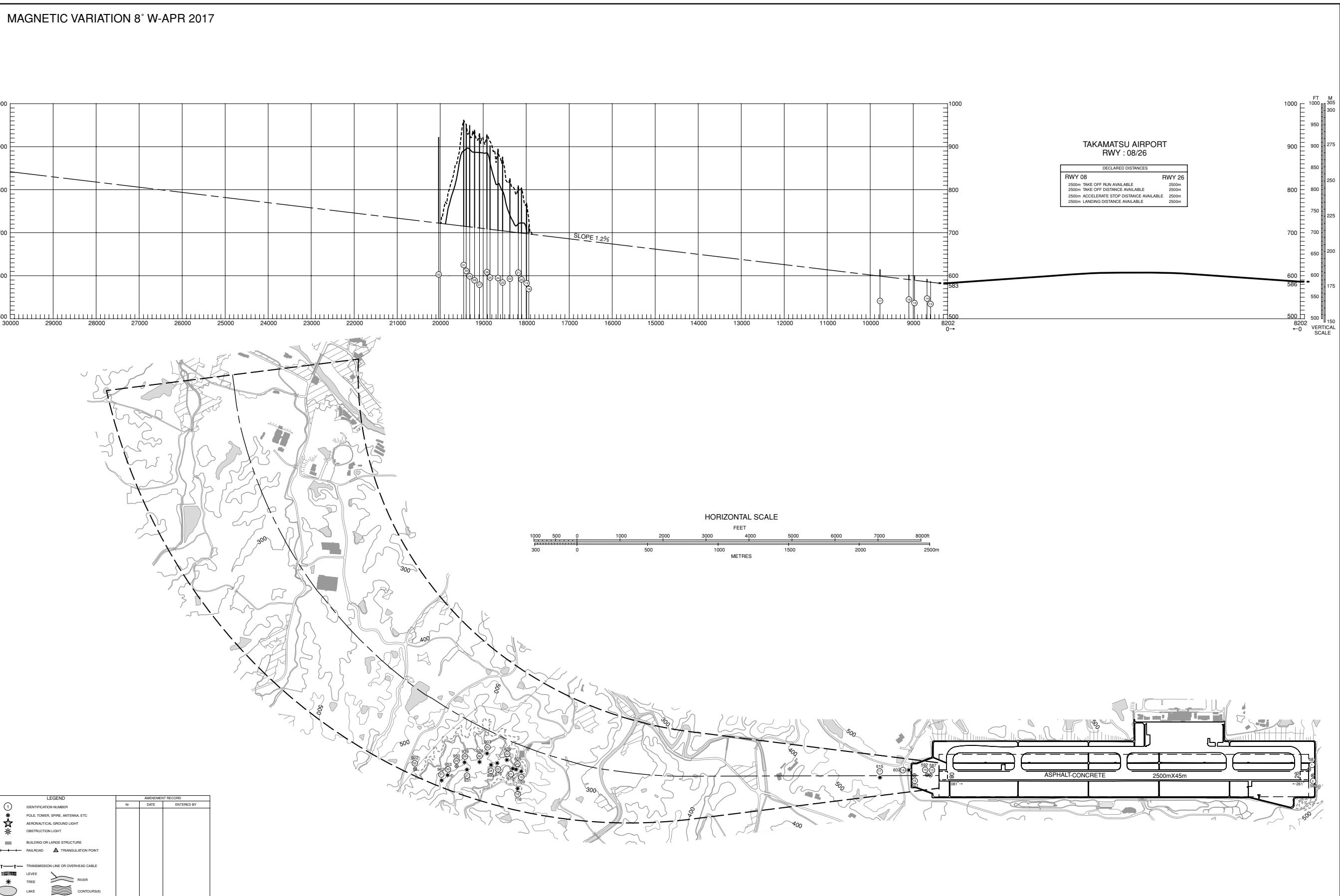
RJOT / TAKAMATSU

AD CHART



DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

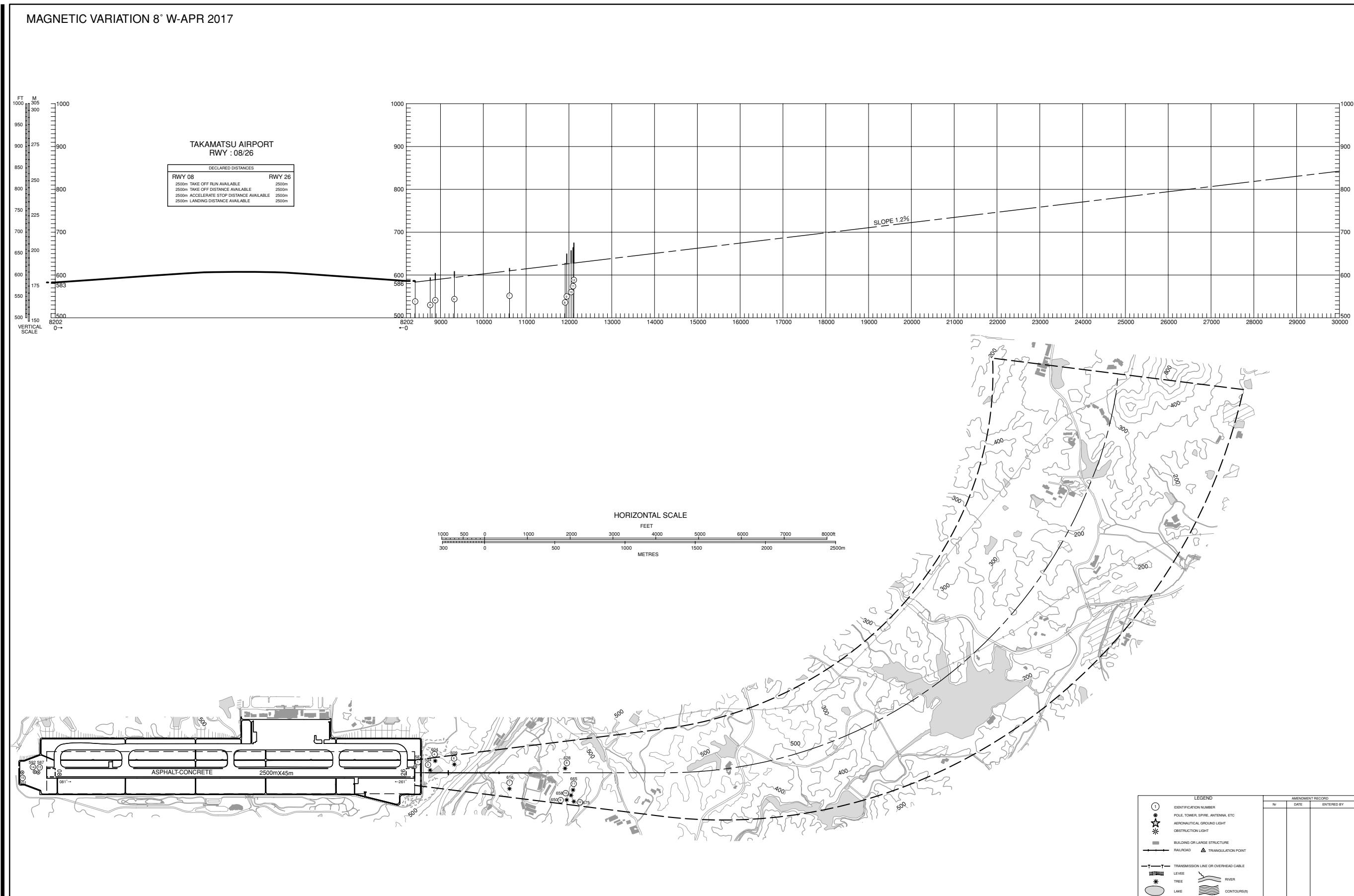
AERODROME OBSTACLE CHART-ICAO
TYPE A (OPERATING LIMITATIONS)



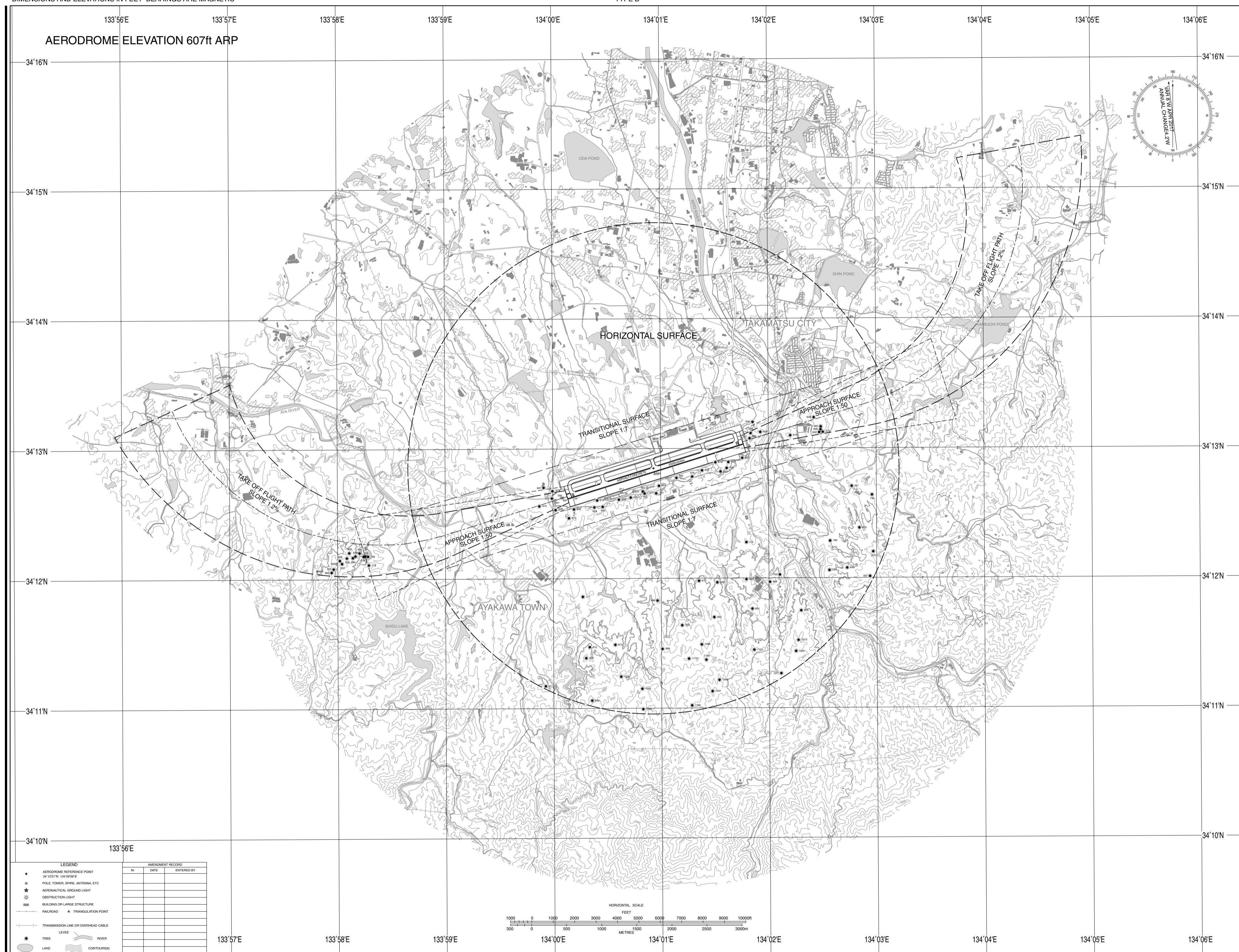
DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

AERODROME OBSTACLE CHART-ICAO TYPE A (OPERATING LIMITATIONS)

MAGNETIC VARIATION 8° W-APR 2017



DIMENSIONS AND ELEVATIONS IN FEET BEARINGS ARE MAGNETIC

AERODROME OBSTACLE CHART-ICAO
TYPE B

STANDARD DEPARTURE CHART-INSTRUMENT

RJOT / TAKAMATSU

SID

KAGAWA NORTH THREE DEPARTURE

RWY 08 : Climb RWY HDG to 1700FT, turn left HDG307°...

RWY 26 : Climb RWY HDG to 2200FT, turn right HDG037°...

...to intercept and proceed via KTE R352 to OYE VOR/DME.

Note : RWY 08 : 5.0% climb gradient required up to 1700FT.

OBST ALT 755FT located at 0.7NM 100° FM end of RWY08.

RWY 26 : 6.6% climb gradient required up to 2200FT.

OBST ALT 1772FT located at 3.3NM 255° FM end of RWY26.

KAGAWA REVERSAL EIGHT DEPARTURE

RWY 08 : Climb RWY HDG to 1700FT, turn left HDG322°...

RWY 26 : Climb RWY HDG to 2200FT, turn right HDG052°...

...to intercept and proceed via KTE R007 to 13.0DME, turn left direct to KTE VOR/DME.

Note : RWY 08 : 5.0% climb gradient required up to 1700FT.

OBST ALT 755FT located at 0.7NM 100° FM end of RWY08.

RWY 26 : 6.6% climb gradient required up to 2200FT.

OBST ALT 1772FT located at 3.3NM 255° FM end of RWY26.

STANDARD DEPARTURE CHART-INSTRUMENT



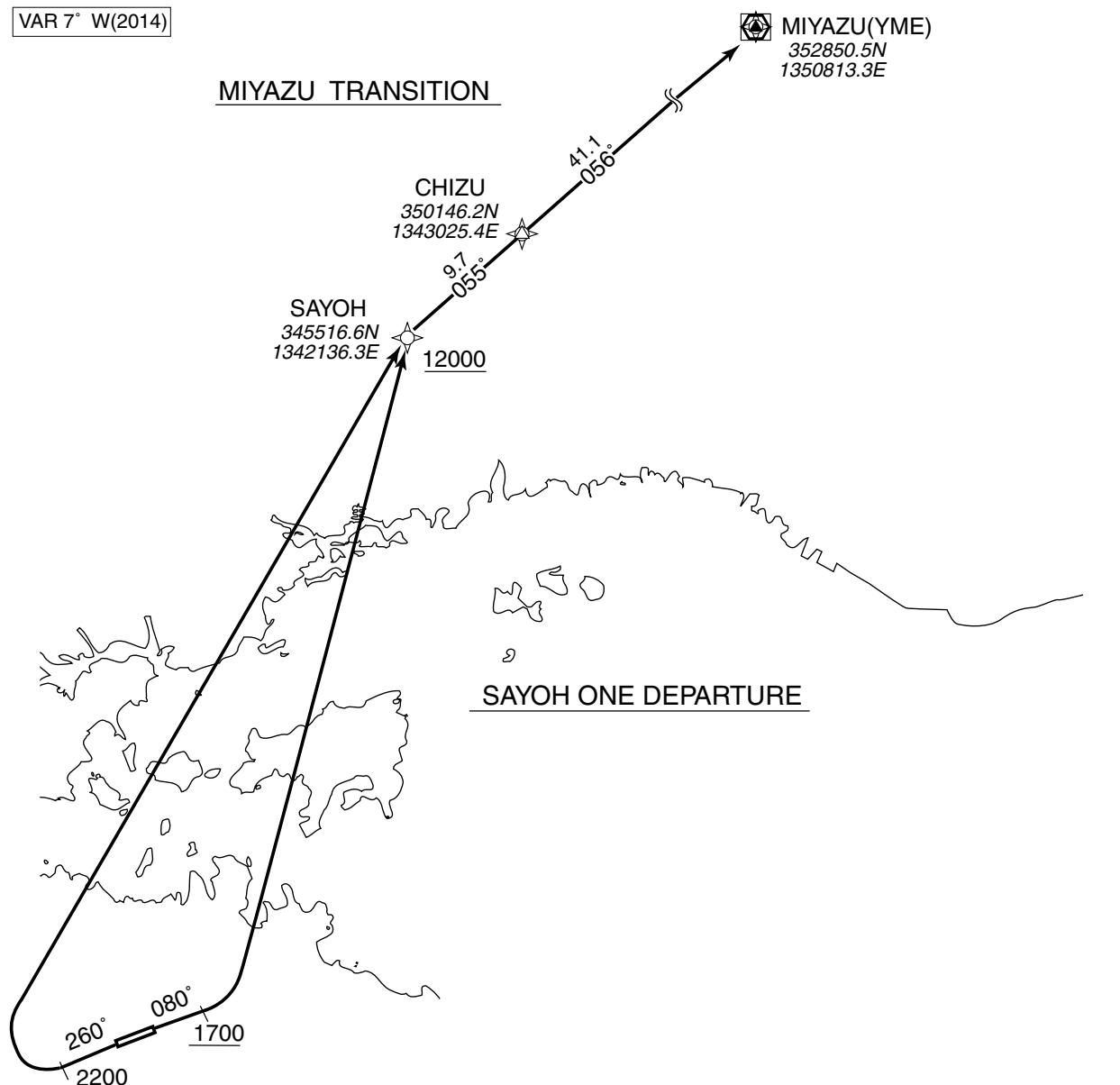
STANDARD DEPARTURE CHART-INSTRUMENT

RJOT / TAKAMATSU

RNAV SID and TRANSITION

| SAYOH ONE DEPARTURE MIYAZU TRANSITION | | RNAV1 |
|--|----------------------------------|---|
| Note 1) DME/DME/IRU or GNSS required. ※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off roll. | Critical DME | RWY08 STD : DER – 1NM from DER RWY26 STD : DER – 2NM from DER MIYAZU TRANSITION CUE : 1.7NM to CHIZU – YME |
| 2) RADAR service required. | DME GAP Inappropriate Navaids | – See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

VAR 7° W(2014)



SAYOH ONE DEPARTURE

RWY08 : Climb on HDG080° at or above 1700FT, turn left direct to SAYOH at or above 12000FT.
RWY26 : Climb on HDG260° at or above 2200FT, turn right direct to SAYOH at or above 12000FT.

Note RWY08 : 5.0% climb gradient required up to 1700FT.

OBST ALT 755FT located at 0.7NM 100° FM end of RWY08.

RWY26 : 6.6% climb gradient required up to 2200FT.

OBST ALT 1772FT located at 3.3NM 255° FM end of RWY26.

MIYAZU TRANSITION

From SAYOH, to CHIZU, to YME.

STANDARD DEPARTURE CHART-INSTRUMENT

RJOT / TAKAMATSU

RNAV SID and TRANSITION

SAYOH ONE DEPARTURE

RWY08

| 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 | — | — | 080 (072.9) | -7.2 | — | — | +1700 | — | — | RNAV1 |
| 002 | DF | SAYOH | — | — | -7.2 | — | L | +12000 | — | — | RNAV1 |

RWY26

| 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 | — | — | 260 (252.9) | -7.2 | — | — | +2200 | — | — | RNAV1 |
| 002 | DF | SAYOH | — | — | -7.2 | — | R | +12000 | — | — | RNAV1 |

MIYAZU 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 | SAYOH | — | — | -7.2 | — | — | — | — | — | RNAV1 |
| 002 | TF | CHIZU | — | 055 (048.0) | -7.2 | 9.7 | — | — | — | — | RNAV1 |
| 003 | TF | YME | — | 056 (048.6) | -7.2 | 41.1 | — | — | — | — | RNAV1 |

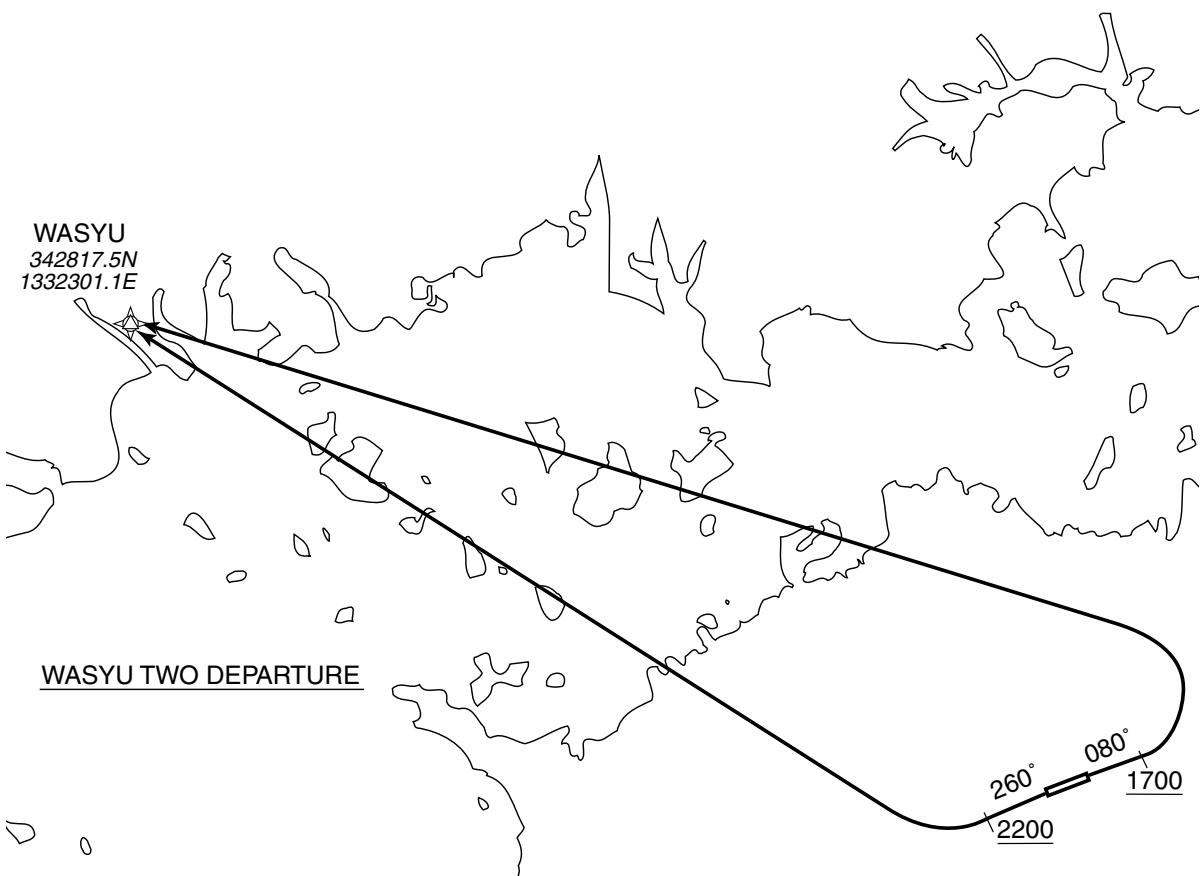
STANDARD DEPARTURE CHART-INSTRUMENT

RJOT / TAKAMATSU

RNAV SID

| WASYU TWO DEPARTURE | | RNAV 1 |
|---|-----------------------|--|
| Note 1) DME/DME/IRU or GNSS required. ※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off roll. 2) RADAR service required. | Critical DME | RWY08 STD : DER – 1NM from DER RWY26 STD : DER – 2NM from DER |
| | DME GAP | – |
| | Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |

VAR 7° W(2014)



WASYU TWO DEPARTURE

RWY08 : Climb on HDG080° at or above 1700FT, turn left direct to WASYU.
RWY26 : Climb on HDG260° at or above 2200FT, turn right direct to WASYU.

Note RWY08: 5.0% climb gradient required up to 1700FT.
OBST ALT 755FT located at 0.7NM 100° FM end of RWY08.
RWY26: 6.6% climb gradient required up to 2200FT.
OBST ALT 1772FT located at 3.3NM 255° FM end of RWY26.

STANDARD DEPARTURE CHART-INSTRUMENT

RJOT / TAKAMATSU

RNAV SID

WASYU TWO DEPARTURE

RWY08

| 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 | — | — | 080 (072.9) | -7.2 | — | — | +1700 | — | — | RNAV1 |
| 002 | DF | WASYU | — | — | -7.2 | — | L | — | — | — | RNAV1 |

RWY26

| 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 | — | — | 260 (252.9) | -7.2 | — | — | +2200 | — | — | RNAV1 |
| 002 | DF | WASYU | — | — | -7.2 | — | R | — | — | — | RNAV1 |

STANDARD DEPARTURE CHART-INSTRUMENT

| RJOT / TAKAMATSU | RNAV SID and TRANSITION | |
|---|-------------------------|--|
| TAROH TWO DEPARTURE MIHO TRANSITION | | RNAV 1 |
| Note 1) DME/DME/IRU or GNSS required. ※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off roll. 2) RADAR service required. | Critical DME | RWY08 STD : DER – 1NM from DER RWY26 STD : DER – 2NM from DER MIHO TRANSITION HGE : 50NM to MIHOU – 36NM to MIHOU OIE : 5NM to MIHOU – MIHOU |
| | DME GAP | – |
| | Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDs for RNAV1 |
| | | |
| <u>TAROH TWO DEPARTURE</u> RWY08 : Climb on HDG080° at or above 1700FT, turn left direct to TAROH. RWY26 : Climb on HDG260° at or above 2200FT, turn right direct to TAROH. Note RWY08: 5.0% climb gradient required up to 1700FT. OBST ALT 755FT located at 0.7NM 100° FM end of RWY08. RWY26: 6.6% climb gradient required up to 2200FT. OBST ALT 1772FT located at 3.3NM 255° FM end of RWY26. | | |
| <u>MIHO TRANSITION</u> From TAROH, to MIHOU. | | |

STANDARD DEPARTURE CHART-INSTRUMENT

RJOT / TAKAMATSU

RNAV SID and TRANSITION

TAROH TWO DEPARTURE

RWY08

| 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 | — | — | 080 (072.9) | -7.5 | — | — | +1700 | — | — | RNAV1 |
| 002 | DF | TAROH | — | — | -7.5 | — | L | — | — | — | RNAV1 |

RWY26

| 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 | — | — | 260 (252.9) | -7.5 | — | — | +2200 | — | — | RNAV1 |
| 002 | DF | TAROH | — | — | -7.5 | — | R | — | — | — | RNAV1 |

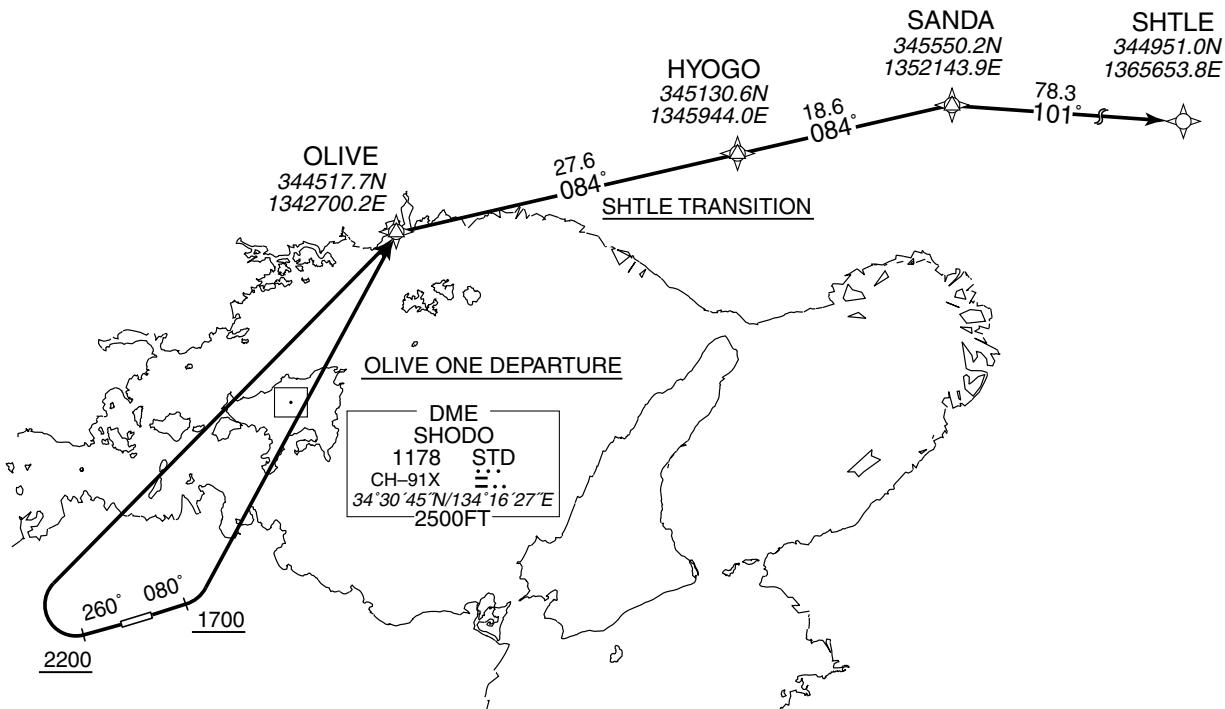
MIHO TRANSITION

| 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 | TAROH | — | — | -7.5 | — | — | — | — | — | RNAV1 |
| 002 | TF | MIHOU | — | 333 (325.8) | -7.5 | 59.2 | — | — | — | — | RNAV1 |

STANDARD DEPARTURE CHART-INSTRUMENT

| RJOT / TAKAMATSU | RNAV SID and TRANSITION | |
|---|-------------------------|---|
| OLIVE ONE DEPARTURE SHTLE TRANSITION | | RNAV 1 |
| Note 1) DME/DME/IRU or GNSS required. ※The aircraft equipped with only DME/DME/IRU must be able to update its position without delay at the starting point of take-off roll. 2) RADAR service required. | Critical DME | RWY08 STD : DER – 1NM from DER RWY26 STD : DER – 2NM from DER SHTLE TRANSITION CUE : 50.0NM to SHTLE – 45.0NM to SHTLE KCC : 35.0NM to SHTLE – 16.0NM to SHTLE YOE : 66.0NM to SHTLE – 63.0NM to SHTLE |
| DME GAP | DME GAP | – |
| Inappropriate Navaids | Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDS for RNAV1 |

VAR 7° W(2014)



OLIVE ONE DEPARTURE

RWY08 : Climb on HDG 080° at or above 1700FT, turn left direct to OLIVE.
RWY26 : Climb on HDG 260° at or above 2200FT, turn right direct to OLIVE.

NOTE RWY08: 5.0% climb gradient required up to 1700FT.
OBST ALT 755FT located at 0.7NM 100° FM end of RWY08.
RWY26: 6.6% climb gradient required up to 2200FT.
OBST ALT 1772FT located at 3.3NM 255° FM end of RWY26.

SHTLE TRANSITION

From OLIVE, to HYOGO, to SANDA, to SHTLE.

STANDARD DEPARTURE CHART-INSTRUMENT

RJOT / TAKAMATSU

RNAV SID and TRANSITION

OLIVE ONE DEPARTURE

RWY08

| 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 | — | — | 080 (072.9) | -7.2 | — | — | +1700 | — | — | RNAV1 |
| 002 | DF | OLIVE | — | — | -7.2 | — | L | — | — | — | RNAV1 |

RWY26

| 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 | — | — | 260 (252.9) | -7.2 | — | — | +2200 | — | — | RNAV1 |
| 002 | DF | OLIVE | — | — | -7.2 | — | R | — | — | — | RNAV1 |

SHTLE 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 | OLIVE | — | — | -7.2 | — | — | — | — | — | RNAV1 |
| 002 | TF | HYOGO | — | 084 (076.8) | -7.2 | 27.6 | — | — | — | — | RNAV1 |
| 003 | TF | SANDA | — | 084 (076.4) | -7.2 | 18.6 | — | — | — | — | RNAV1 |
| 004 | TF | SHTLE | — | 101 (093.9) | -7.2 | 78.3 | — | — | — | — | RNAV1 |

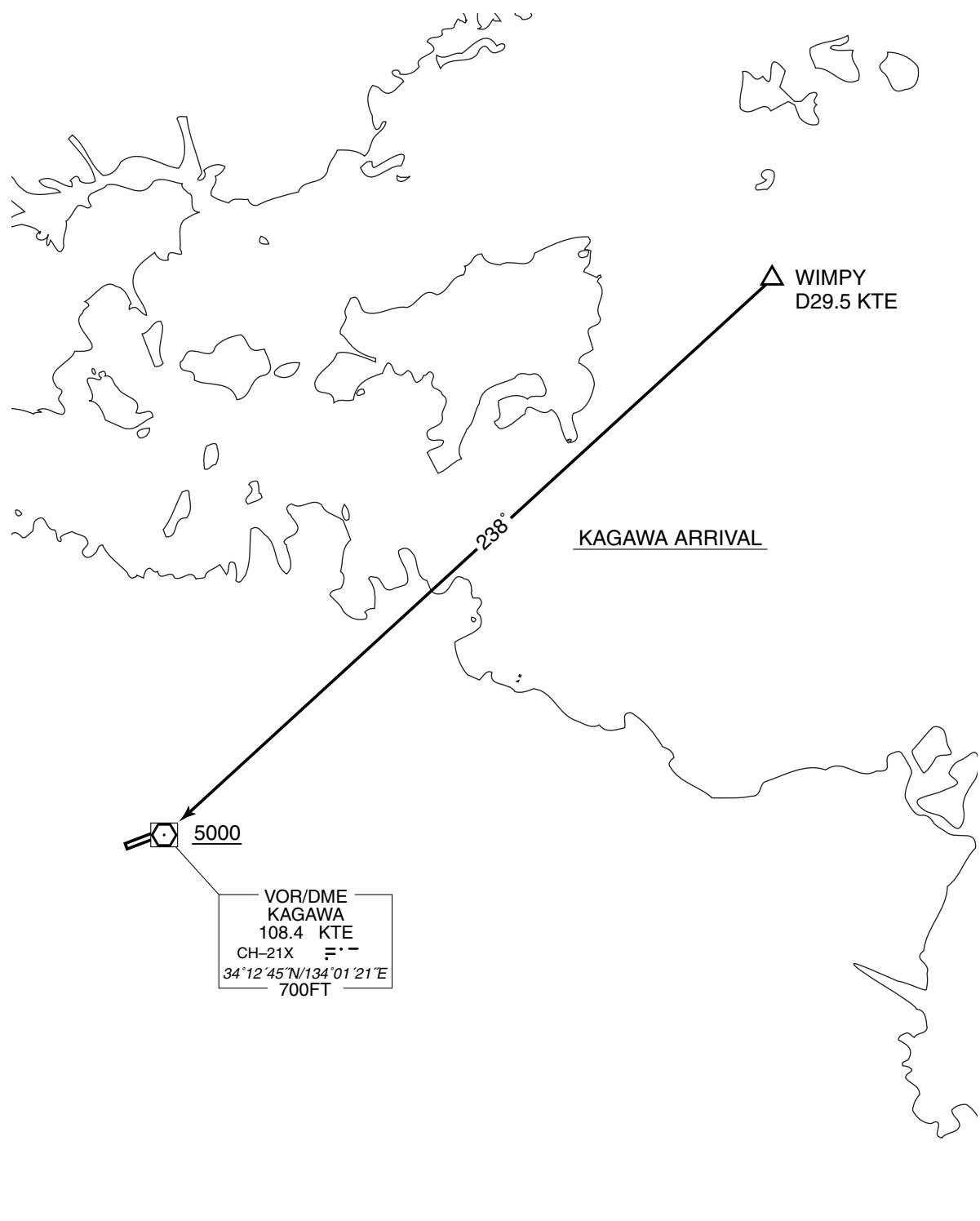
STANDARD ARRIVAL CHART-INSTRUMENT

RJOT / TAKAMATSU

STAR

KAGAWA ARRIVAL

From over WIMPY, via KTE R058 to KTE VOR/DME.
Cross KTE VOR/DME at or above 5000FT.



STANDARD ARRIVAL CHART-INSTRUMENT

RJOT / TAKAMATSU

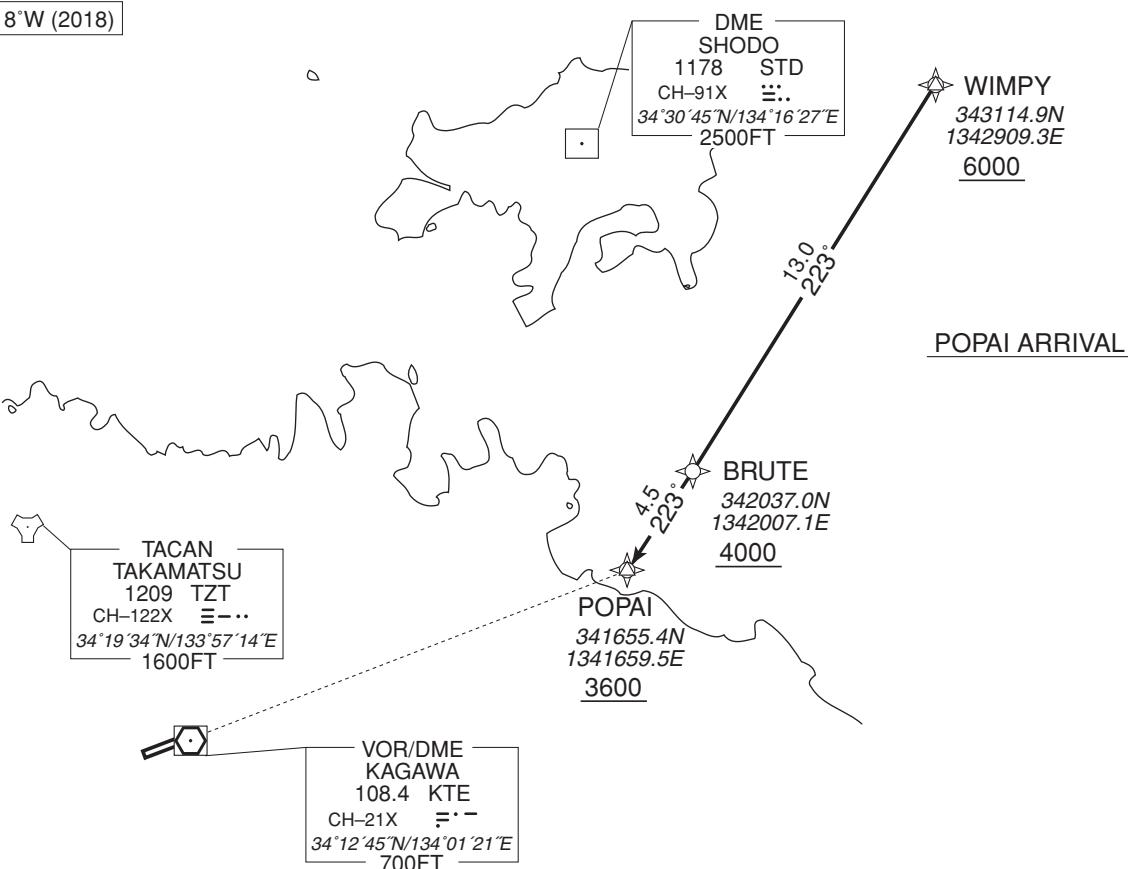
RNAV STAR RWY26

POPAI ARRIVAL

RNAV1

- Note 1) DME/DME/IRU or GNSS required.
2) RADAR service required.

VAR 8°W (2018)

POPAI ARRIVAL

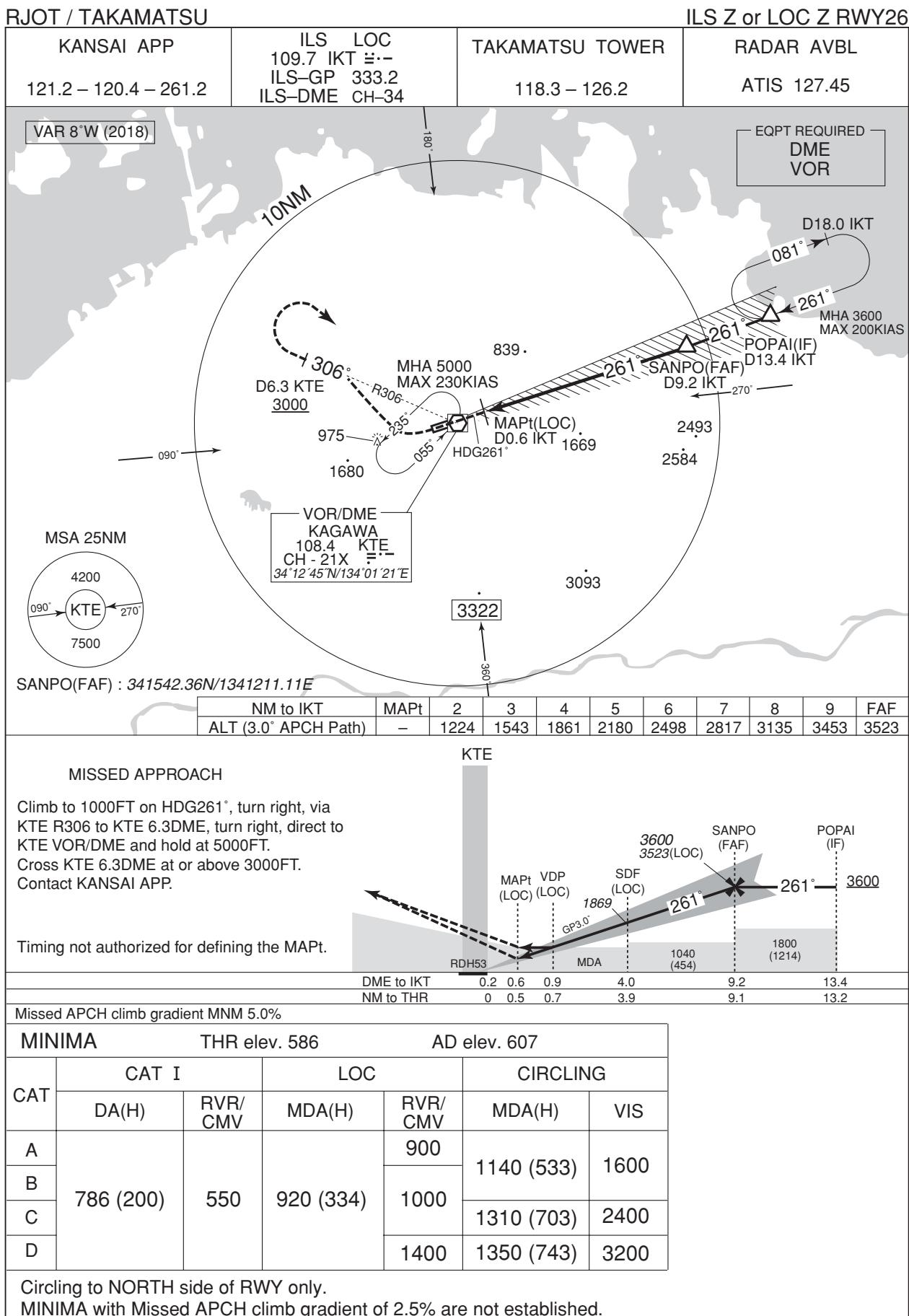
From WIMPY at or above 6000FT, to BRUTE at or above 4000FT, to POPAI at or above 3600FT.

| | |
|-----------------------|---|
| Critical DME | - |
| DME GAP | - |
| Inappropriate Navaids | See AD1.1.6.10.3. Inappropriate NAVAIDS for RNAV1 |

| 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 | WIMPY | - | - | -7.6 | - | - | +6000 | - | - | RNAV1 |
| 002 | TF | BRUTE | - | 223 (215.1) | -7.6 | 13.0 | - | +4000 | - | - | RNAV1 |
| 003 | TF | POPAI | - | 223 (215.0) | -7.6 | 4.5 | - | +3600 | - | - | RNAV1 |

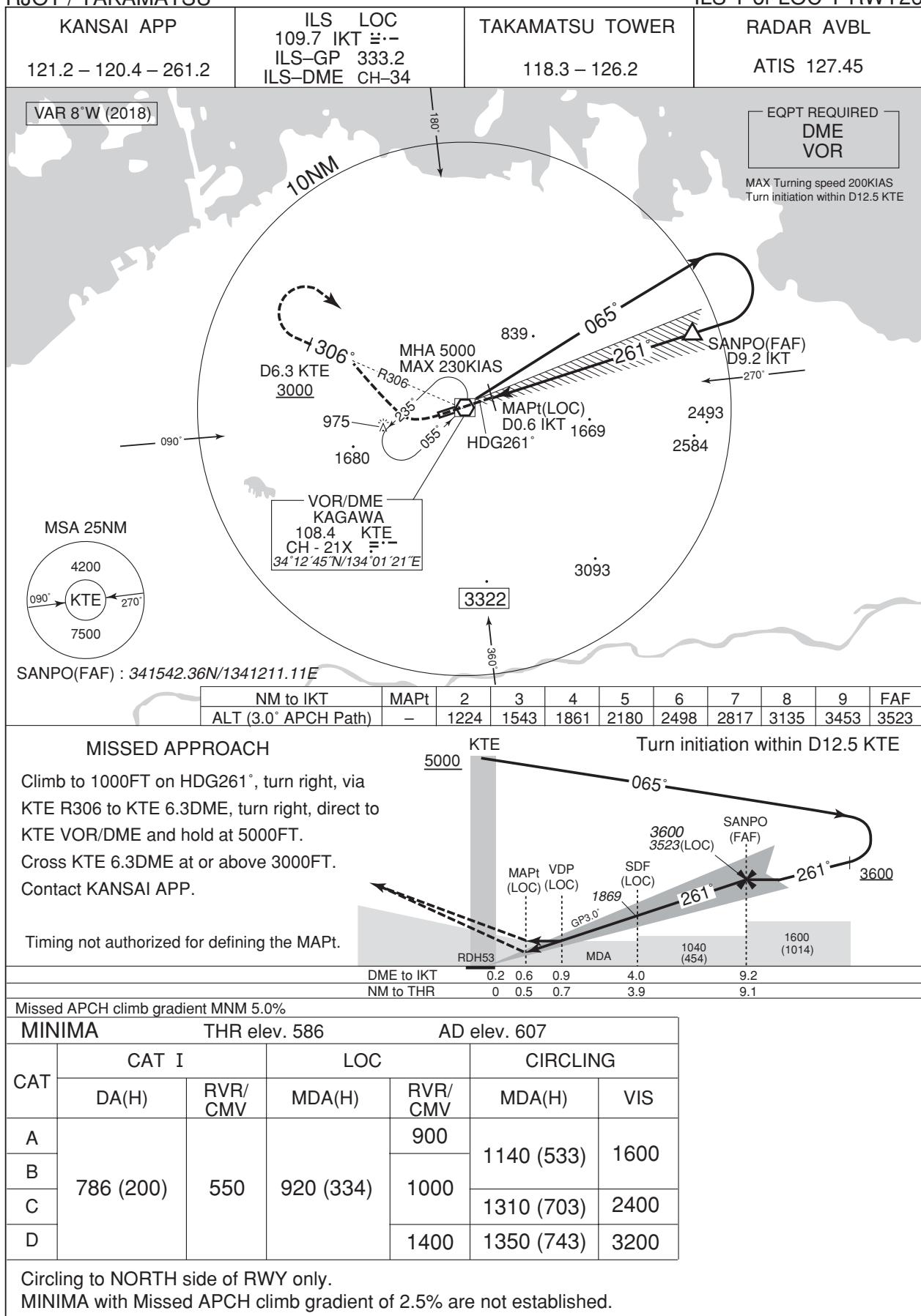
CHANGE : VAR, POPAI

INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJOT / TAKAMATSU



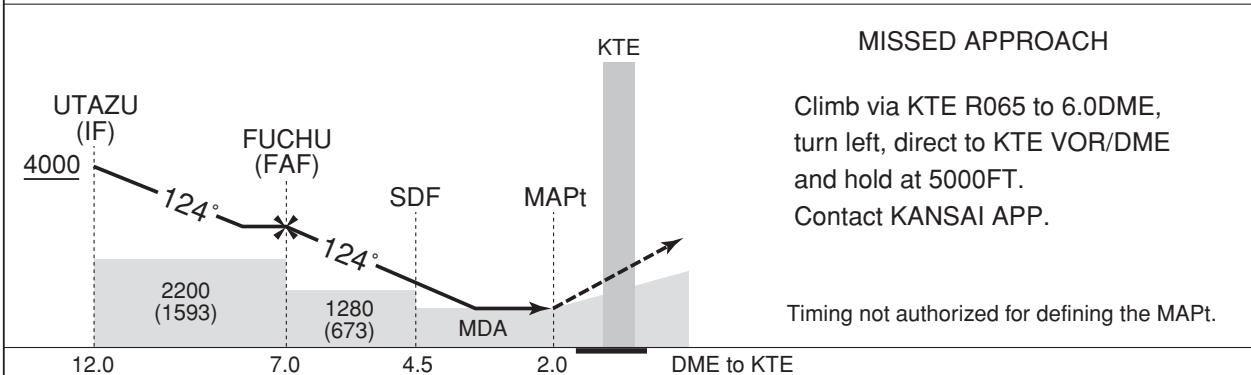
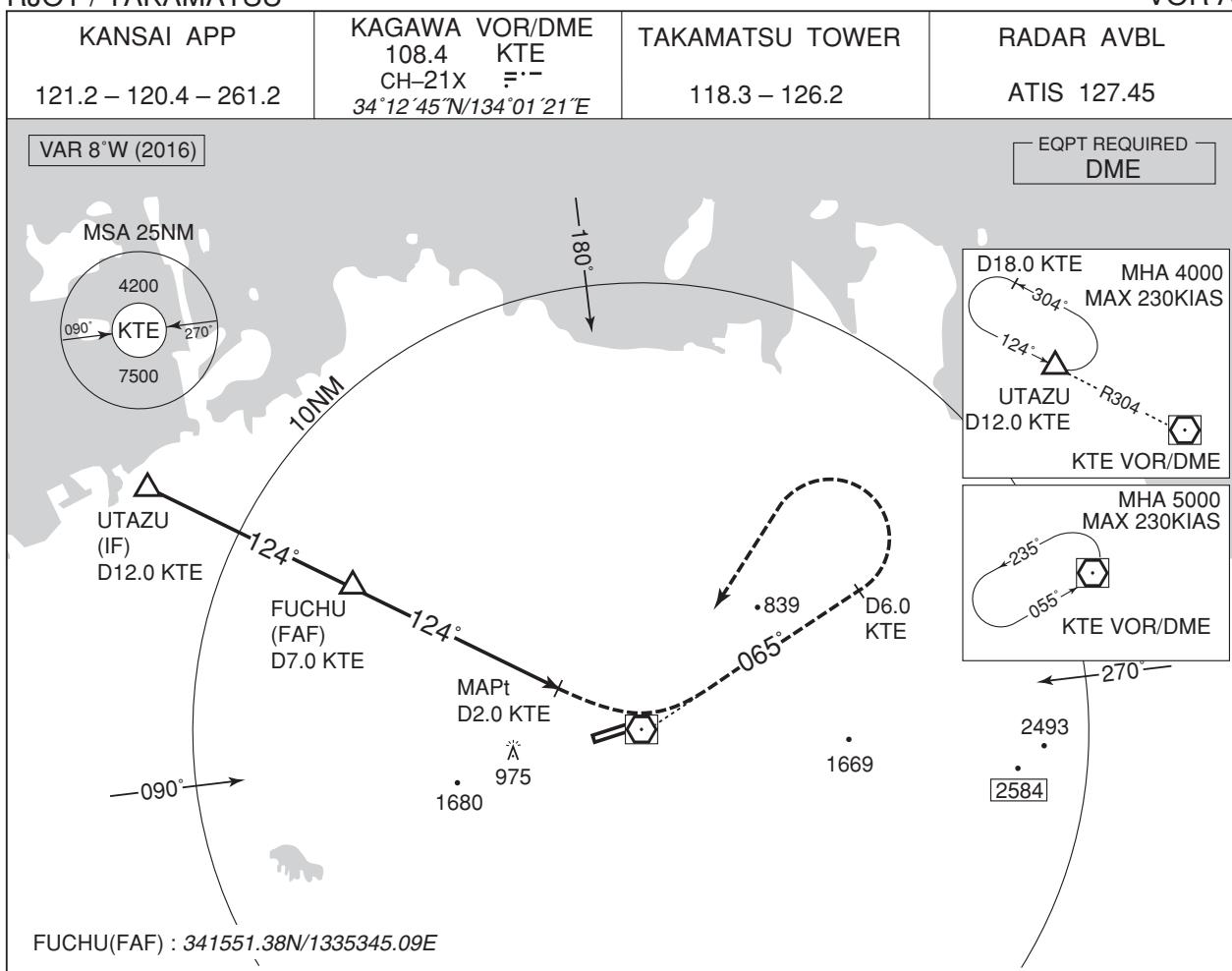
INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

RJOT / TAKAMATSU

VOR A



Missed APCH climb gradient MNM 5.0%

| MINIMA AD elev. 607 | | |
|---------------------|------------|------|
| CAT | CIRCLING | |
| | MDA(H) | VIS |
| A | 1060 (453) | 1600 |
| B | | |
| C | 1280 (673) | 2400 |
| D | | 3200 |

CHANGE : MSA

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

RJOT/TAKAMATSU

Visual REP



| Call sign | BRG / DIST from ARP | Remarks |
|------------------|---------------------|---|
| 高松 Takamatsu | 017°/8.5NM | 高松港 Harbor |
| 林 Hayashi | 044°/5NM | 由良山 Mt. Yura |
| 志度 Shido | 058°/9NM | JR志度駅 JR Station |
| 塩江 Shionoe | 150°/4.5NM | 内場池 Pond of Naiba |
| 琴南 Kotonami | 245°/5NM | 四国電力開閉所 Switch station of Electric Power |
| 琴平 Kotohira | 267°/10NM | JR琴平駅 JR Station |
| 滝宮 Takinomiya | 296°/5NM | 琴平電鉄滝宮駅 Station |
| 坂出 Sakaide | 311°/10NM | JR坂出駅 JR Station |
| 檀紙 Danshi | 359°/5NM | ガスタンク Gas tank |

注：有視界飛行方式により高松空港に着陸しようとする航空機又は高松航空交通管制圏を通過しようとする航空機は、東方向から進入する場合は、志度ポイント上空で、西方向から进入する場合は、坂出ポイント又は琴平ポイント上空で、北方向から进入する場合は、高松ポイント上空において高松タワーに連絡すること。

NOTE: When VFR flight is going to enter the control zone for landing or passing through, the pilot should contact with the control tower over;

SHIDO in case of coming from east/

SAKAIDE or KOTOHIRA in case of coming from west/

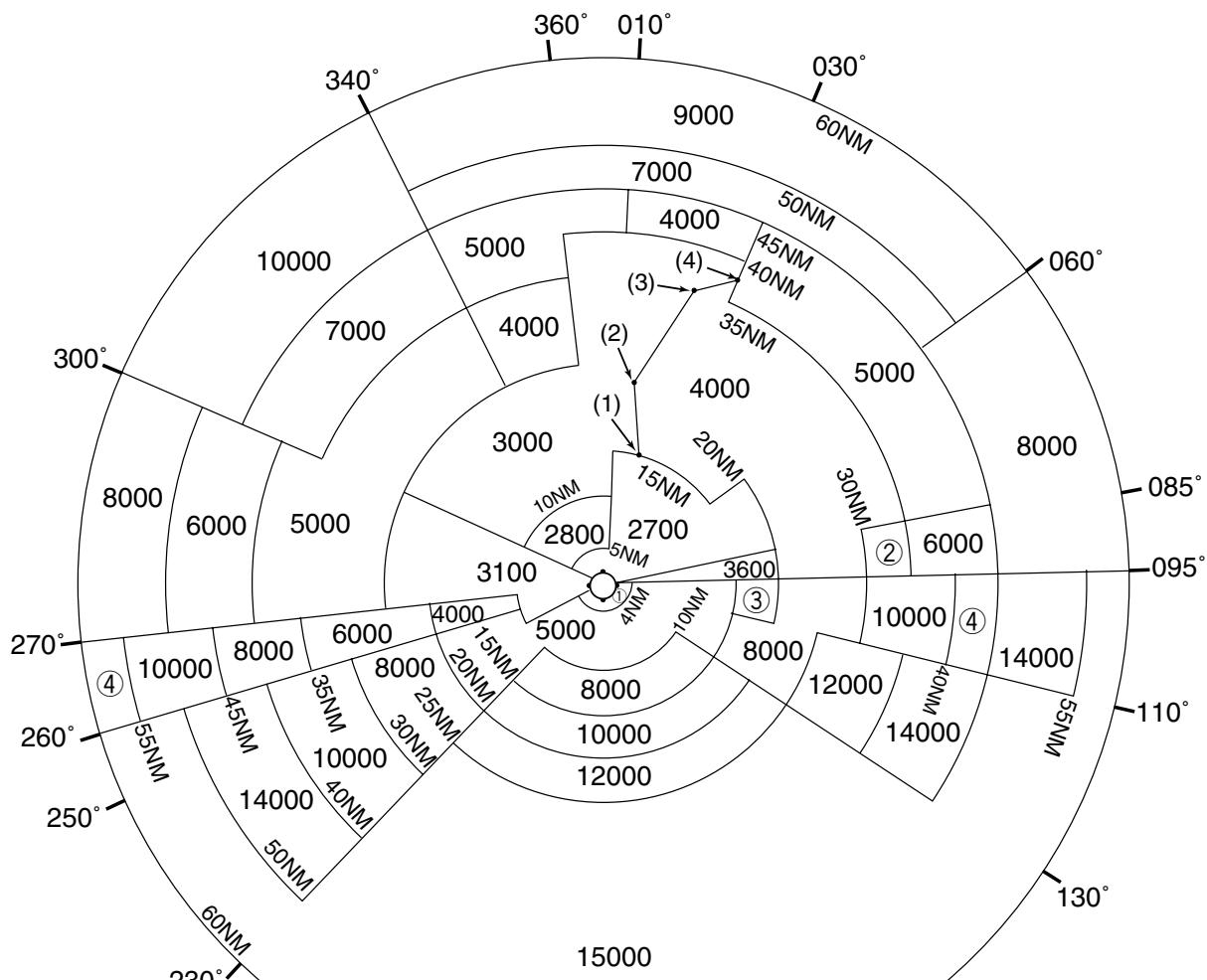
TAKAMATSU in case of coming from north.



RJOT / TAKAMATSU

Minimum Vectoring Altitude CHART

VAR 7°W (2009)



- ① 4000
 ② 5000
 ③ 6000
 ④ 12000

- (1) 342745N/1340555E
 (2) 343708N/1340544E
 (3) 344652N/1341352E
 (4) 344751N/1341904E

CENTER : 341315N/1340115E (RADAR SITE)