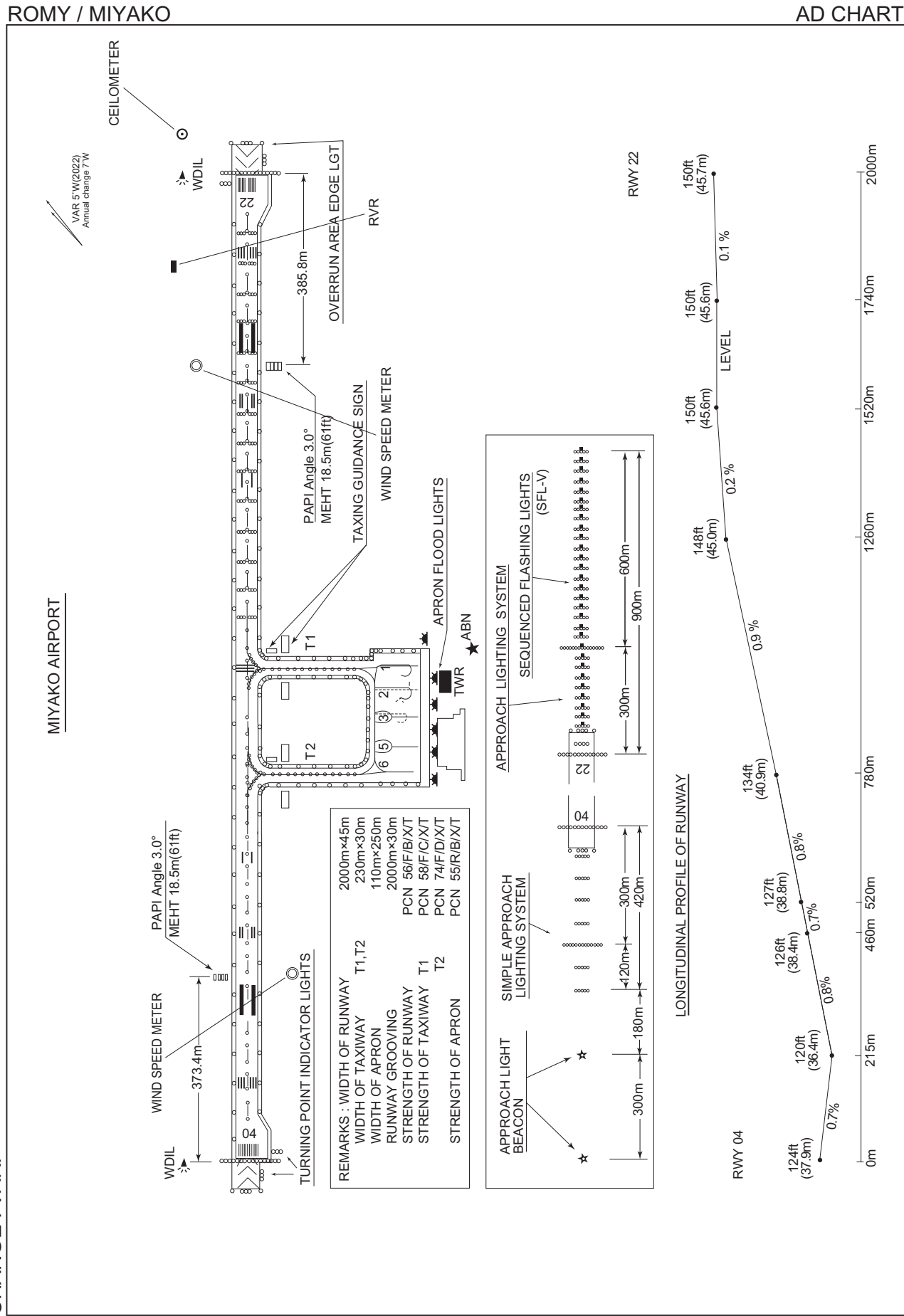
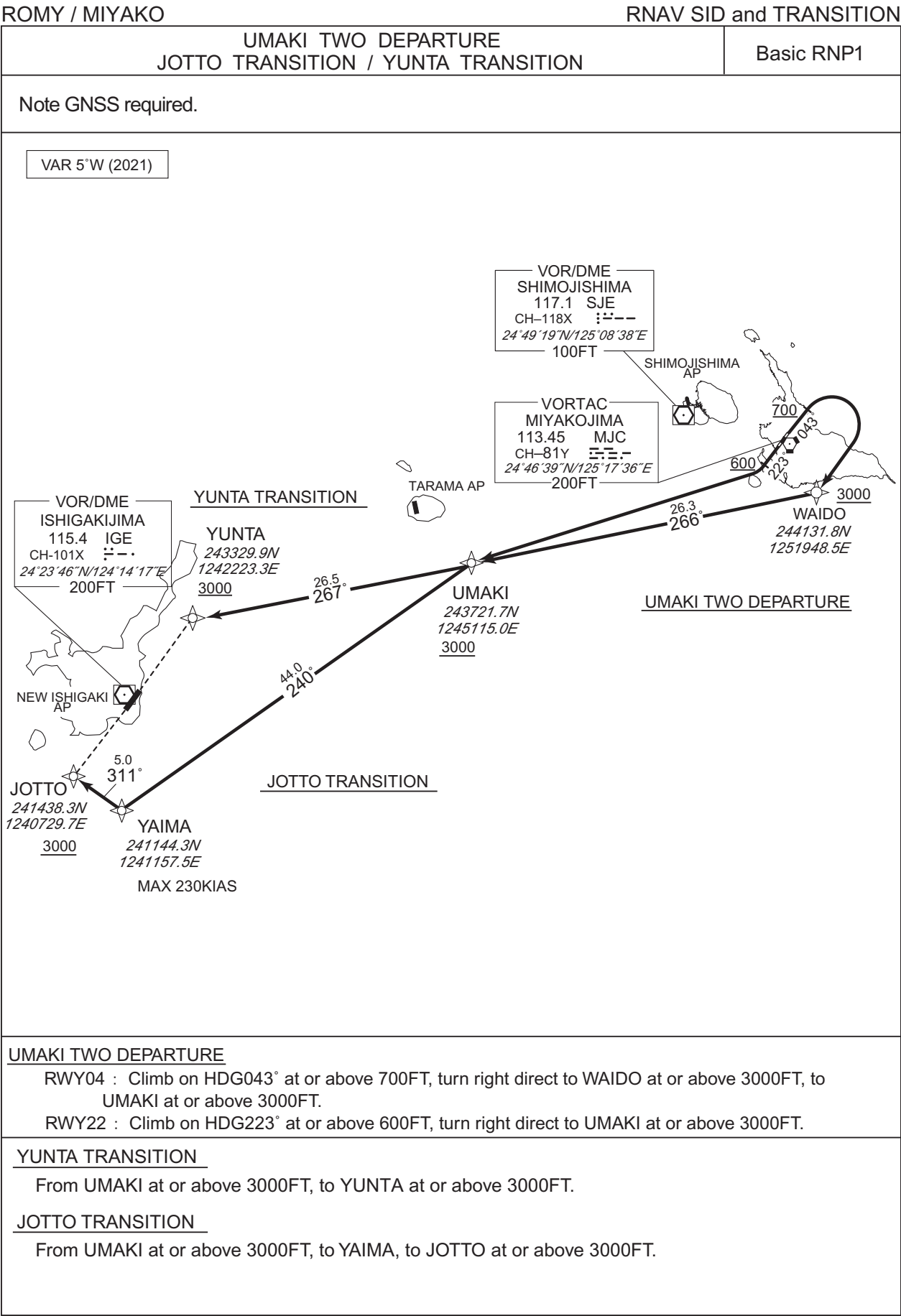


CHANGE : VAR.



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STANDARD DEPARTURE CHART -INSTRUMENT



CHANGE : PROC renamed (UMAKI TWO DEPARTURE). Navigation specification. Sensor for RNAV.

STANDARD DEPARTURE CHART -INSTRUMENT

ROMY / MIYAKO

RNAV SID and TRANSITION

UMAKI TWO DEPARTURE

RWY04

| 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 | — | — | 043 (038.2) | -5.1 | — | — | +700 | — | — | Basic RNP1 |
| 002 | DF | WAIDO | — | — | -5.1 | — | R | +3000 | — | — | Basic RNP1 |
| 003 | TF | UMAKI | — | 266 (261.0) | -5.1 | 26.3 | — | +3000 | — | — | Basic RNP1 |

RWY22

| 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 | — | — | 223 (218.2) | -5.1 | — | — | +600 | — | — | Basic RNP1 |
| 002 | DF | UMAKI | — | — | -5.1 | — | R | +3000 | — | — | Basic RNP1 |

YUNTA TRANSITION

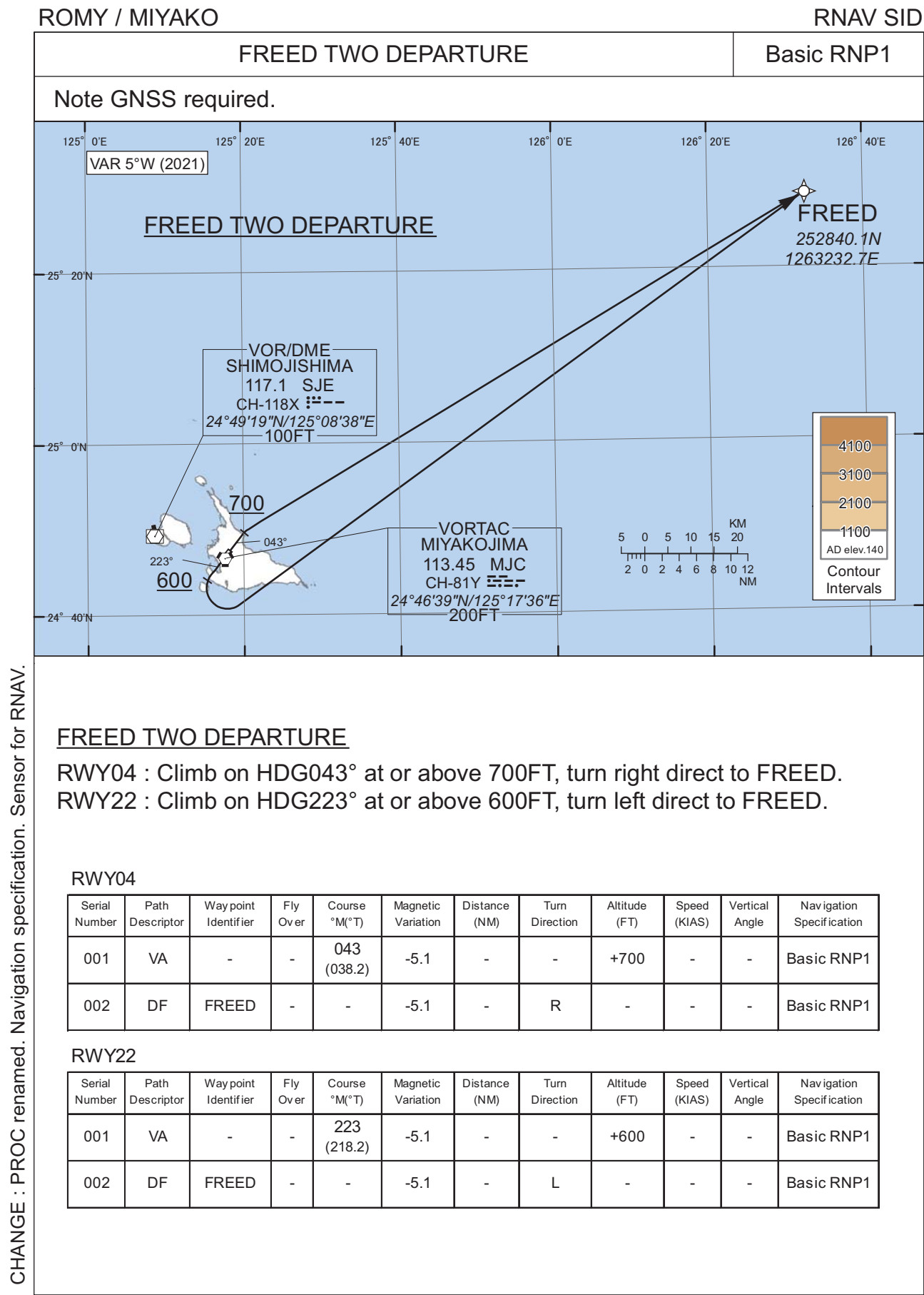
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | UMAKI | — | — | -5.1 | — | — | +3000 | — | — | Basic RNP1 |
| 002 | TF | YUNTA | — | 267 (261.7) | -5.1 | 26.5 | — | +3000 | — | — | Basic RNP1 |

JOTTO 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 | UMAKI | — | — | -5.1 | — | — | +3000 | — | — | Basic RNP1 |
| 002 | TF | YAIMA | — | 240 (234.5) | -5.1 | 44.0 | — | — | -230 | — | Basic RNP1 |
| 003 | TF | JOTTO | — | 311 (305.5) | -5.1 | 5.0 | — | +3000 | — | — | Basic RNP1 |

CHANGE : PROC renamed (UMAKI TWO DEPARTURE). Navigation specification.

STANDARD DEPARTURE CHART -INSTRUMENT



STANDARD DEPARTURE CHART -INSTRUMENT

ROMY / MIYAKO

SID

NAHA SIX DEPARTURE

RWY 04 : Climb RWY HDG to 700FT, turn right...

RWY 22 : Climb RWY HDG to 600FT, turn left HDG015°...
... to intercept and proceed via MJC R060 to PAYAO.

STANDARD DEPARTURE CHART -INSTRUMENT

ROMY / MIYAKO

SID

WEST SEVEN DEPARTURE

- RWY 04 : Climb RWY HDG to 700FT, turn right...
 RWY 22 : Climb RWY HDG to 600FT, turn right...
 ... to intercept and proceed via MJC R253 to SHUJI.
 Cross SHUJI at or above 3000FT.



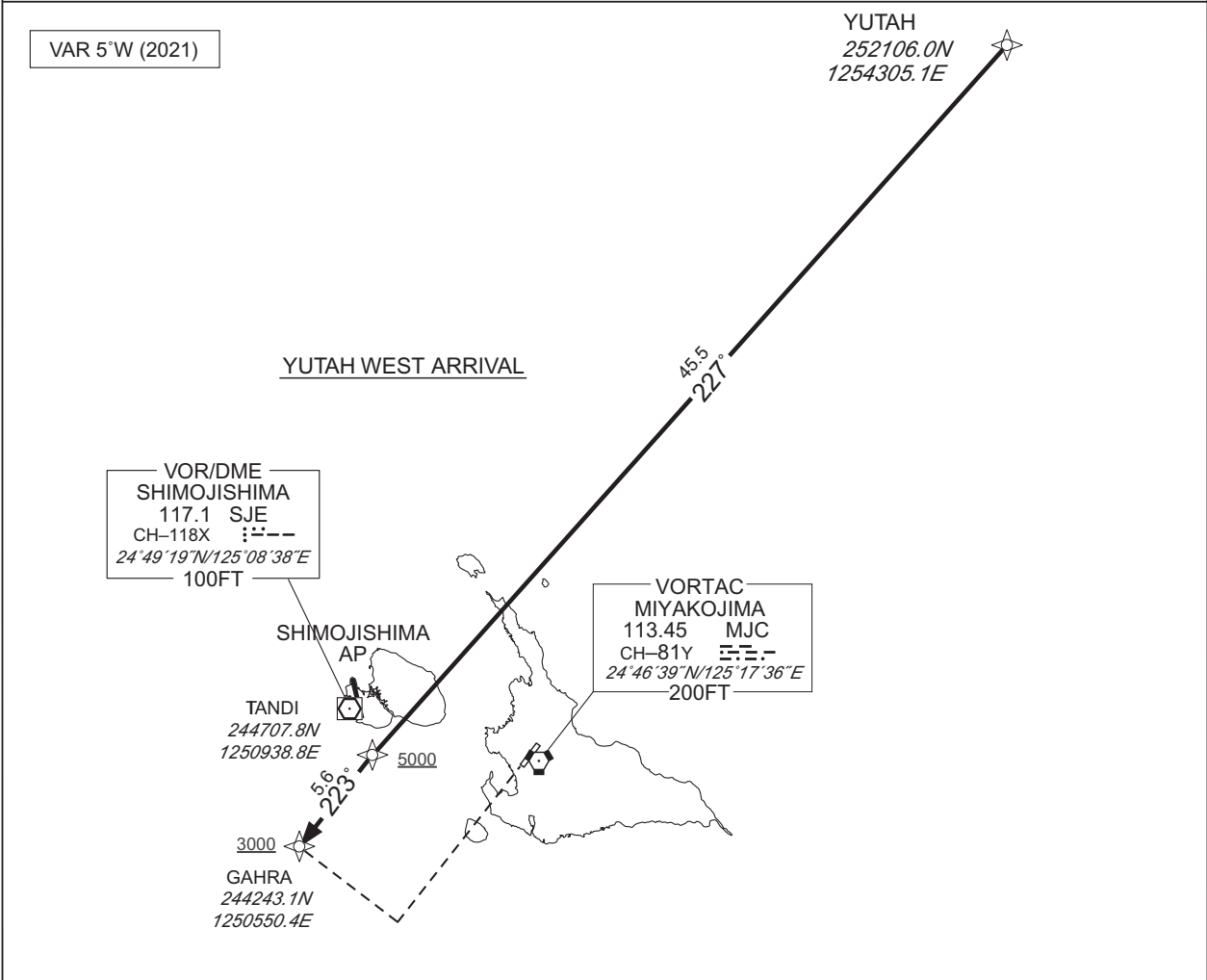
STANDARD ARRIVAL CHART - INSTRUMENT

ROMY / MIYAKO

RNAV STAR RWY04

| | |
|--------------------|------------|
| YUTAH WEST ARRIVAL | Basic RNP1 |
|--------------------|------------|

Note GNSS required.



YUTAH WEST ARRIVAL

From YUTAH, to TANDI at or above 5000FT, to GAHRA at or above 3000FT.

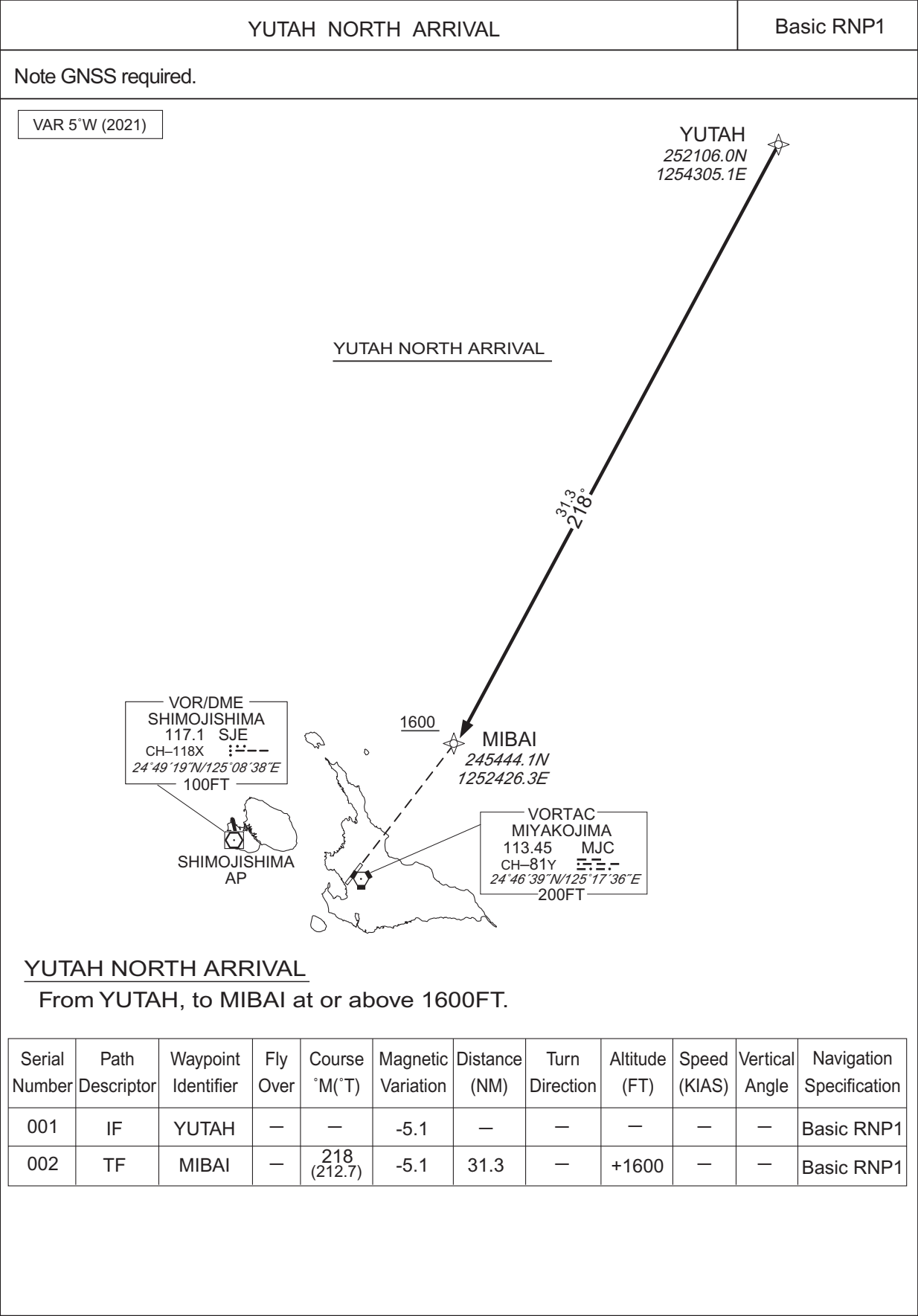
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001 | IF | YUTAH | — | — | -5.1 | — | — | — | — | — | Basic RNP1 |
| 002 | TF | TANDI | — | 227 (221.8) | -5.1 | 45.5 | — | +5000 | — | — | Basic RNP1 |
| 003 | TF | GAHRA | — | 223 (218.1) | -5.1 | 5.6 | — | +3000 | — | — | Basic RNP1 |

CHANGE : Navigation specification. Sensor for RNAV.

STANDARD ARRIVAL CHART - INSTRUMENT

ROMY / MIYAKO

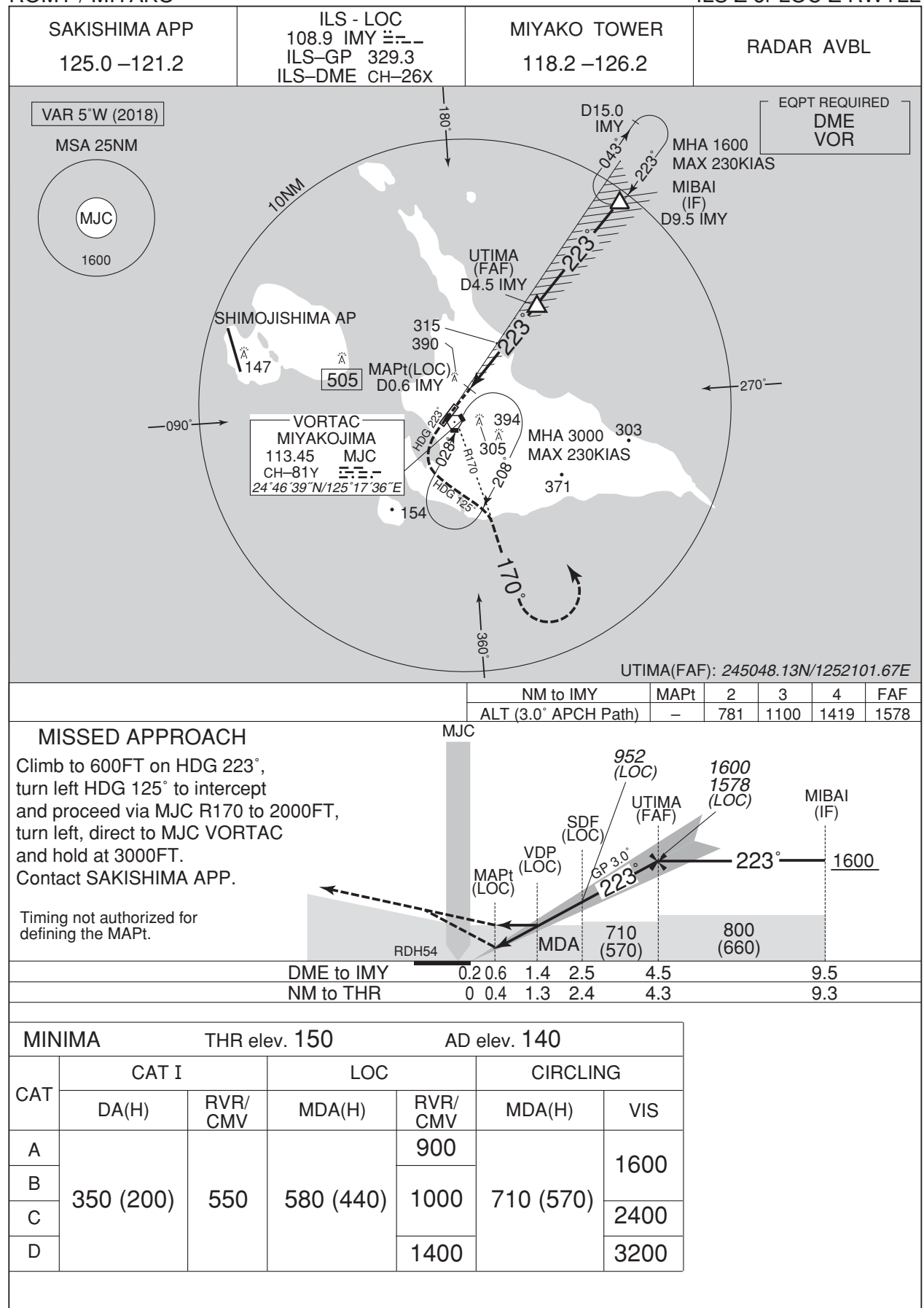
RNAV STAR RWY22



INSTRUMENT APPROACH CHART

ROMY / MIYAKO

ILS Z or LOC Z RWY22



INSTRUMENT APPROACH CHART

ROMY / MIYAKO

ILS Y or LOC Y RWY22



MISSED APPROACH

Climb to 600FT on HDG 223°, turn left HDG 125° to intercept and proceed via MJC R170 to 2000FT, turn left, direct to MJC VORTAC and hold at 3000FT. Contact SAKISHIMA APP.

Timing not authorized for defining the MAPt.



| | | | | | |
|------------|-----|-----|-----|-----|-----|
| DME to IMY | 0.2 | 0.6 | 1.4 | 2.5 | 4.5 |
| NM to THR | 0 | 0.4 | 1.3 | 2.4 | 4.3 |

| MINIMA | | THR elev. 150 | | AD elev. 140 | | |
|--------|-----------|---------------|-----------|--------------|-----------|------|
| CAT | CAT I | | LOC | | CIRCLING | |
| | DA(H) | RVR/ CMV | MDA(H) | RVR/ CMV | MDA(H) | VIS |
| A | 350 (200) | 550 | 580 (440) | 900 | 710 (570) | 1600 |
| B | | | | 1000 | | 2400 |
| C | | | | | | |
| D | | | | | | |

INSTRUMENT APPROACH CHART

ROMY / MIYAKO

VOR RWY04



INSTRUMENT APPROACH CHART

ROMY / MIYAKO

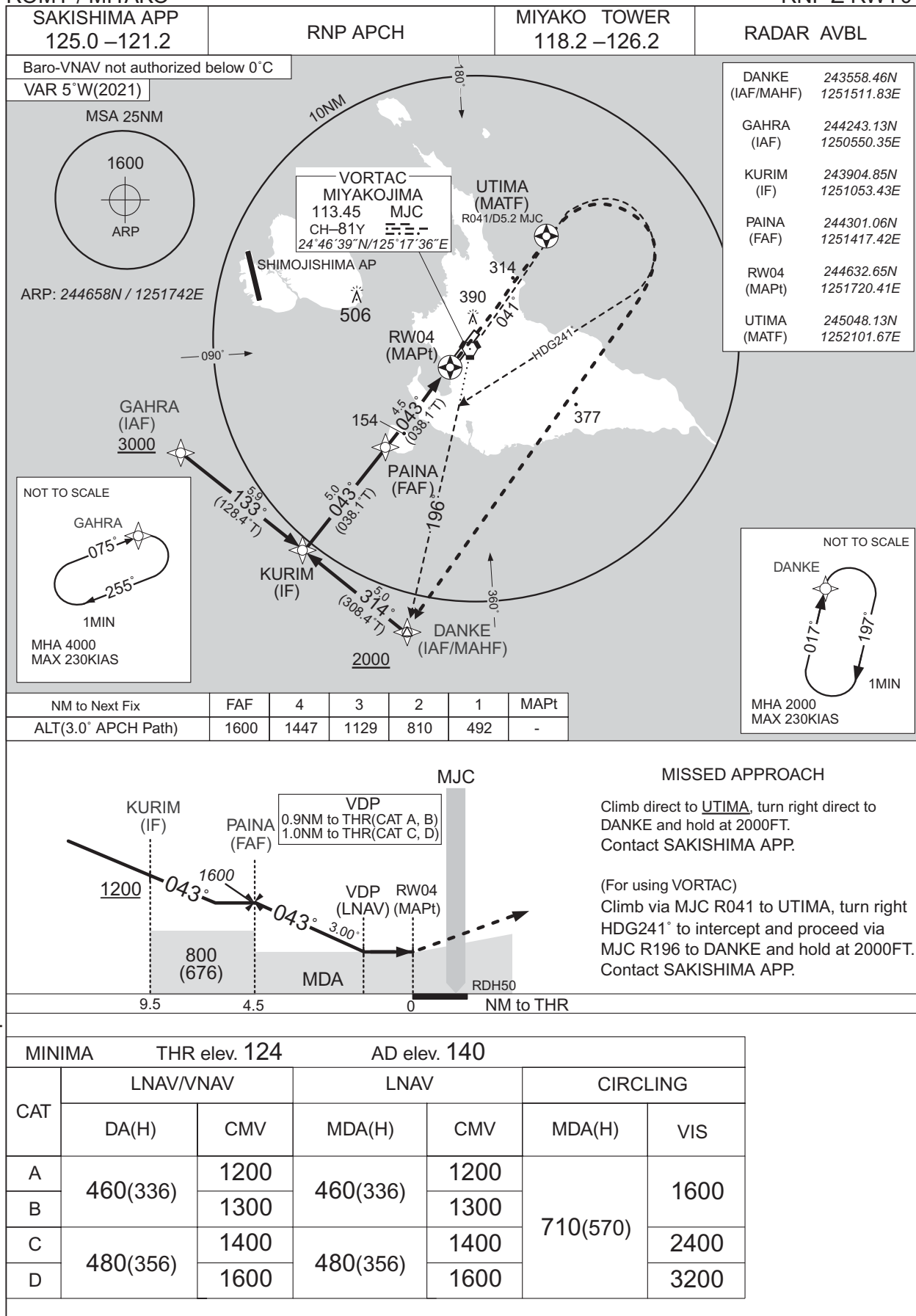
VOR RWY22



INSTRUMENT APPROACH CHART

ROMY / MIYAKO

RNP Z RWY04



CHANGE:PROC renamed. Requirement for RNP.

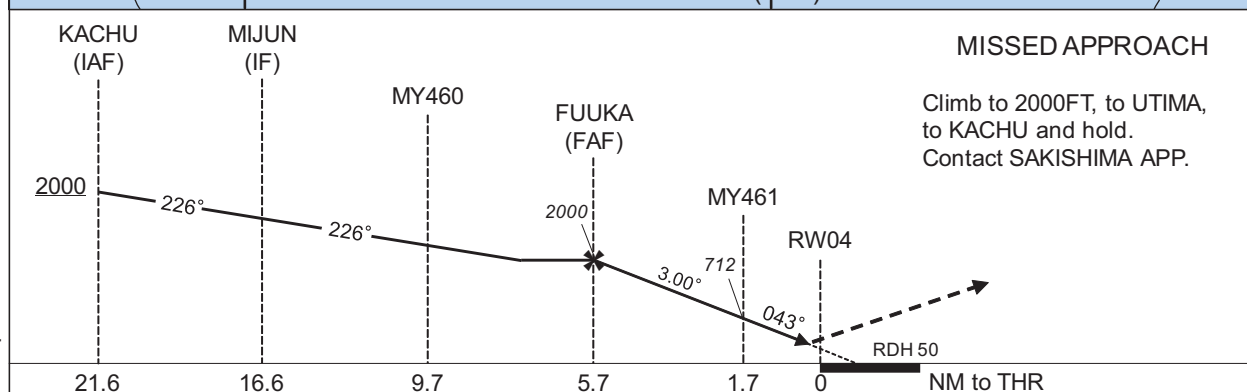
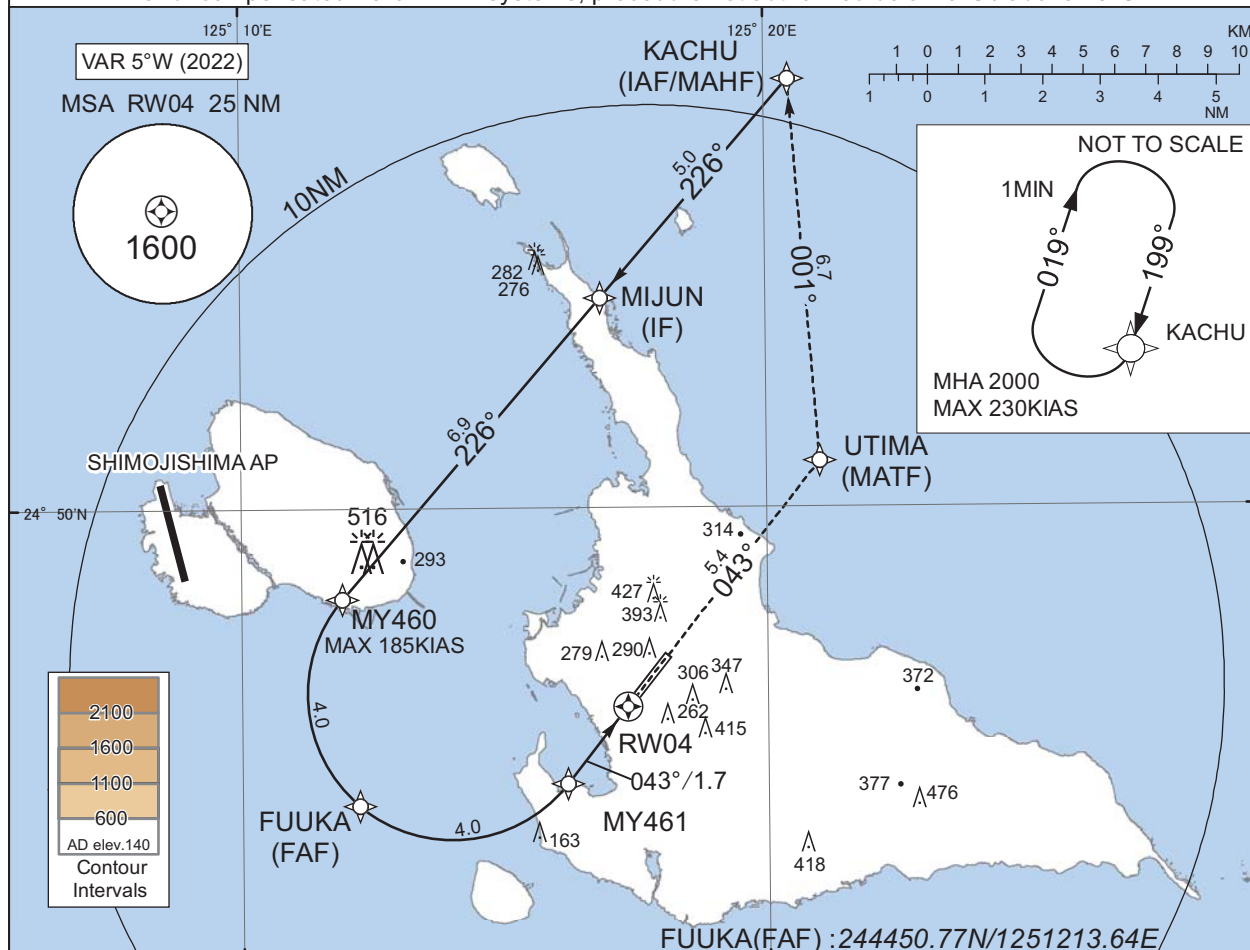
INSTRUMENT APPROACH CHART

ROMY / MIYAKO

RNP Y RWY04(AR)

| | | | |
|--------------------------------|------------------------|-------------------------------|------------|
| SAKISHIMA APP 125.0 - 121.2 | RNP AR RF required. | MIYAKO TOWER 118.2 - 126.2 | RADAR AVBL |
|--------------------------------|------------------------|-------------------------------|------------|

For uncompensated Baro-VNAV systems, procedure not authorized below 0°C / above 45°C



| MINIMA | THR elev. 124 | | AD elev. 140 | |
|--------|---------------|------|--------------|------|
| | RNP 0.29 | | RNP 0.30 | |
| CAT | DA(H) | CMV | DA(H) | CMV |
| A | - | - | - | - |
| B | - | - | - | - |
| C | 424(300) | 1400 | 430(306) | 1400 |
| D | | 1600 | 440(316) | 1600 |

Authorization Required

CHANGE : PROC renamed. Requirement for RNP.

INSTRUMENT APPROACH CHART

ROMY / MIYAKO

RNP Y RWY04(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 | KACHU | - | - | -5.2 | - | - | +2000 | - | - | - |
| 002 | TF | MIJUN | - | 226 (220.8) | -5.2 | 5.0 | - | - | - | - | 1.0 |
| 003 | TF | MY460 | - | 226 (220.7) | -5.2 | 6.9 | - | +2000 | -185 | - | 1.0 |
| 004 | RF Center: MYRF1 r=2.52NM | FUUKA | - | - | -5.2 | 4.0 | L | 2000 | - | - | 1.0 |
| 005 | RF Center: MYRF1 r=2.52NM | MY461 | - | - | -5.2 | 4.0 | L | 712 | - | -3.00 | 0.29 0.30 |
| 006 | TF | RW04 | Y | 043 (038.1) | -5.2 | 1.7 | - | 174 | - | -3.00/50 | 0.29 0.30 |
| 007 | TF | UTIMA | - | 043 (038.2) | -5.2 | 5.4 | - | - | - | - | 1.0 |
| 008 | TF | KACHU | - | 001 (355.6) | -5.2 | 6.7 | - | 2000 | - | - | 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 | KACHU | 199 (193.5) | -5.2 | 1.0 (-14000) | R | 2000 | FL140 | -230 (-14000) | 1.0 |

Waypoint Coordinates

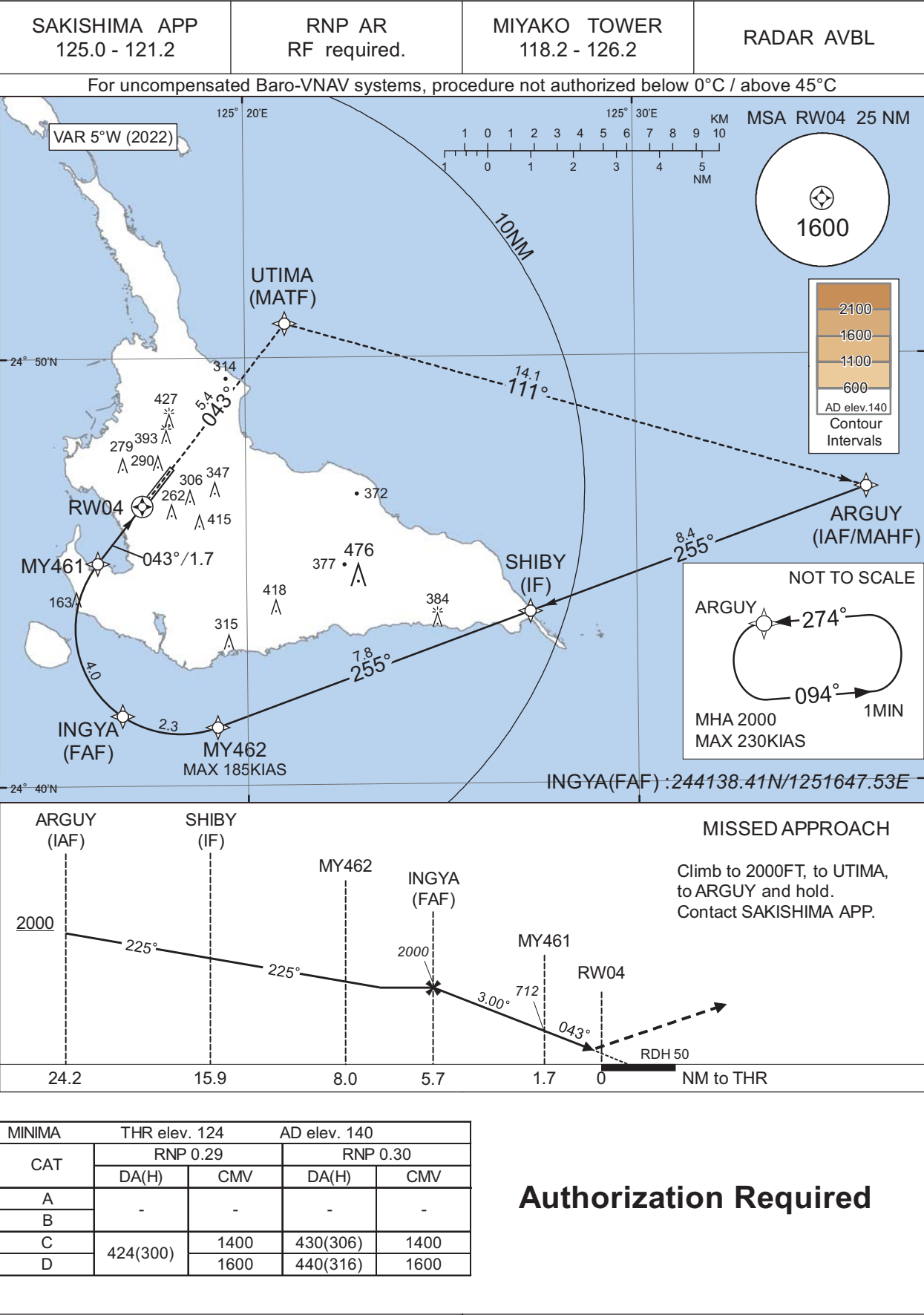
| Waypoint Identifier | Coordinates | RF Arc Center Identifier | Coordinates |
|---------------------|--------------------------|--------------------------|--------------------------|
| KACHU | 245726.14N / 1252027.95E | MYRF1 | 244646.77N / 1251400.81E |
| MIJUN | 245338.80N / 1251651.84E | | |
| MY460 | 244826.09N / 1251155.10E | | |
| FUUKA | 244450.77N / 1251213.64E | | |
| MY461 | 244512.72N / 1251611.26E | | |
| RW04 | 244632.65N / 1251720.41E | | |
| UTIMA | 245048.13N / 1252101.67E | | |

CHANGE : PROC renamed.

INSTRUMENT APPROACH CHART

ROMY / MIYAKO

RNP X RWY04(AR)



CHANGE : PROC renamed. Requirement for RNP.

INSTRUMENT APPROACH CHART

ROMY / MIYAKO

RNP X RWY04(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 | ARGUY | - | - | -5.2 | - | - | +2000 | - | - | - |
| 002 | TF | SHIBY | - | 255 (250.0) | -5.2 | 8.4 | - | - | - | - | 1.0 |
| 003 | TF | MY462 | - | 255 (250.0) | -5.2 | 7.8 | - | +2000 | -185 | - | 1.0 |
| 004 | RF Center: MYRF2 r=2.46NM | INGYA | - | - | -5.2 | 2.3 | R | 2000 | - | - | 1.0 |
| 005 | RF Center: MYRF2 r=2.46NM | MY461 | - | - | -5.2 | 4.0 | R | 712 | - | -3.00 | 0.29 0.30 |
| 006 | TF | RW04 | Y | 043 (038.1) | -5.2 | 1.7 | - | 174 | - | -3.00/50 | 0.29 0.30 |
| 007 | TF | UTIMA | - | 043 (038.2) | -5.2 | 5.4 | - | - | - | - | 1.0 |
| 008 | TF | ARGUY | - | 111 (106.1) | -5.2 | 14.1 | - | 2000 | - | - | 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 | ARGUY | 274 (269.3) | -5.2 | 1.0 (-14000) | L | 2000 | FL140 | -230 (-14000) | 1.0 |

Waypoint Coordinates

| Waypoint Identifier | Coordinates | RF Arc Center Identifier | Coordinates |
|---------------------|--------------------------|--------------------------|--------------------------|
| ARGUY | 244652.87N / 1253554.53E | MYRF2 | 244340.95N / 1251818.44E |
| SHIBY | 244401.74N / 1252716.29E | | |
| MY462 | 244121.83N / 1251913.79E | | |
| INGYA | 244138.41N / 1251647.53E | | |
| MY461 | 244512.72N / 1251611.26E | | |
| RW04 | 244632.65N / 1251720.41E | | |
| UTIMA | 245048.13N / 1252101.67E | | |

CHANGE : PROC renamed.



ROMY / MIYAKO

Minimum Vectoring Altitude CHART

VAR 5°W (2022)



- ① 260606N/125351E
 ② 262504N/1261226E
 ③ 263831N/1264046E
 ④ 253118N/1273951E
 ⑤ 244518N/1271337E
 ⑥ 243809N/1262857E
 ⑦ 241018N/1261859E
 ⑧ 244643N/1255220E
 ⑨ 252751N/1252151E
 ⑩ 255321N/1254054E
 ⑪ 235438N/1261324E
 ⑫ 235414N/1261156E
 ⑬ 252316N/1272802E
 ⑭ 251400N/1272404E

CENTER : 244938N/1250827E (RORS RADAR SITE)
 CENTER : 242310N/1241441E (ROIG RADAR SITE)

- *1 : 244015N/1244143E RADIUS : 3NM
 *2 : 242248N/1240952E RADIUS : 3NM
 *3 : 242538N/1241100E RADIUS : 5NM
 *4 : 242850N/1260600E RADIUS : 8NM

CHANGE : VAR.