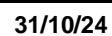


## ROKJ / KUMEJIMA

## AD CHART



**INTENTIONALLY LEFT BLANK**

STANDARD DEPARTURE CHART -INSTRUMENT

ROKJ / KUMEJIMA

SID

SOUTH FIVE DEPARTURE

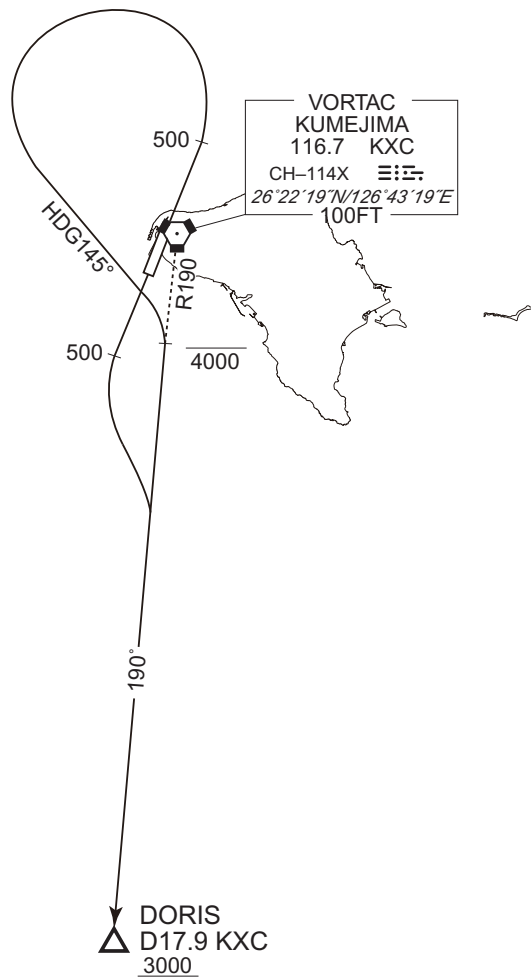
RWY03 : Climb RWY HDG to 500FT, turn left HDG145° to intercept and proceed via KXC R190 to DORIS.

Maintain 4000FT or below until intercepting KXC R190, cross DORIS at or above 3000FT.

RWY21 : Climb RWY HDG to 500FT, turn left to intercept and proceed via KXC R190 to DORIS.

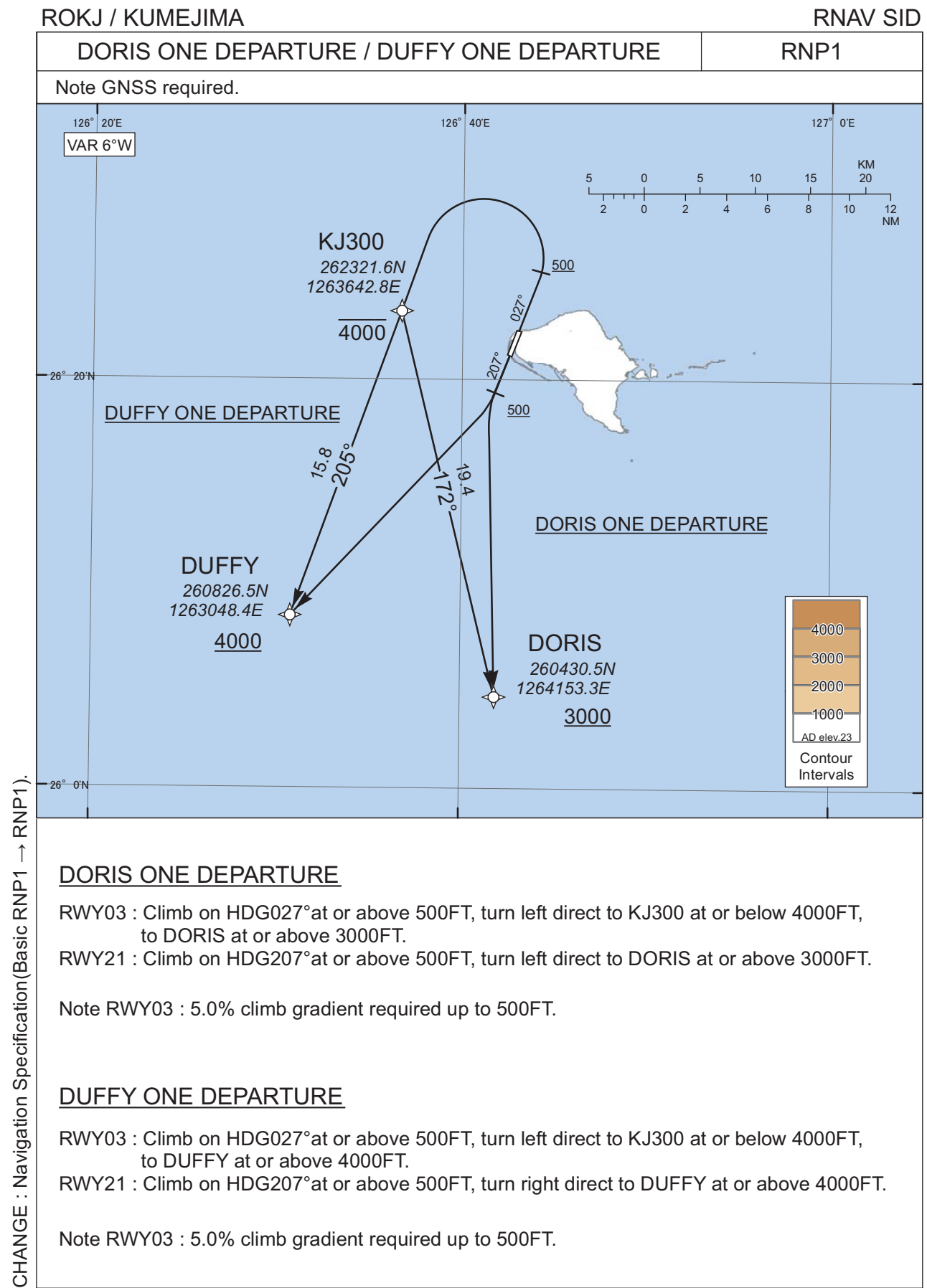
Cross DORIS at or above 3000FT.

Note RWY03 : 5.0% climb gradient required up to 500FT.



CHANGE : PROC renamed. PROC course.

STANDARD DEPARTURE CHART -INSTRUMENT



STANDARD DEPARTURE CHART -INSTRUMENT

ROKJ / KUMEJIMA

RNAV SID

DORIS ONE DEPARTURE

RWY03

| 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              | -                   | -        | 027<br>(021.1) | -5.7               | -             | -              | +500          | -            | -              | RNP1                     |
| 002           | DF              | KJ300               | -        | -              | -5.7               | -             | L              | -4000         | -            | -              | RNP1                     |
| 003           | TF              | DORIS               | -        | 172<br>(166.1) | -5.7               | 19.4          | -              | +3000         | -            | -              | RNP1                     |

RWY21

| 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              | -                   | -        | 207<br>(201.1) | -5.7               | -             | -              | +500          | -            | -              | RNP1                     |
| 002           | DF              | DORIS               | -        | -              | -5.7               | -             | L              | +3000         | -            | -              | RNP1                     |

DUFFY ONE DEPARTURE

RWY03

| 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              | -                   | -        | 027<br>(021.1) | -5.7               | -             | -              | +500          | -            | -              | RNP1                     |
| 002           | DF              | KJ300               | -        | -              | -5.7               | -             | L              | -4000         | -            | -              | RNP1                     |
| 003           | TF              | DUFFY               | -        | 205<br>(199.6) | -5.7               | 15.8          | -              | +4000         | -            | -              | RNP1                     |

RWY21

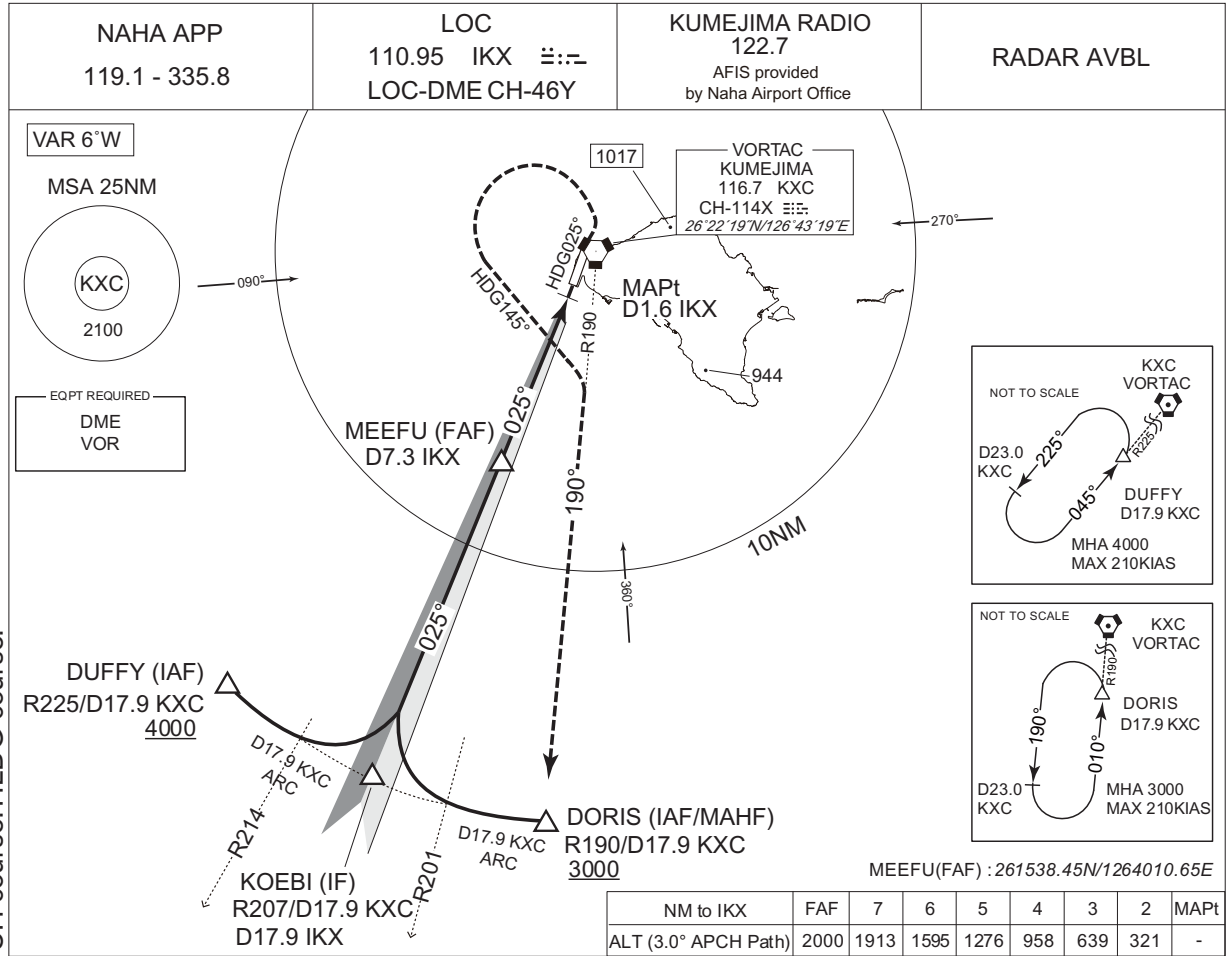
| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T)  | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|---------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|----------------|--------------------------|
| 001           | VA              | -                   | -        | 207<br>(201.1) | -5.7               | -             | -              | +500          | -            | -              | RNP1                     |
| 002           | DF              | DUFFY               | -        | -              | -5.7               | -             | R              | +4000         | -            | -              | RNP1                     |

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

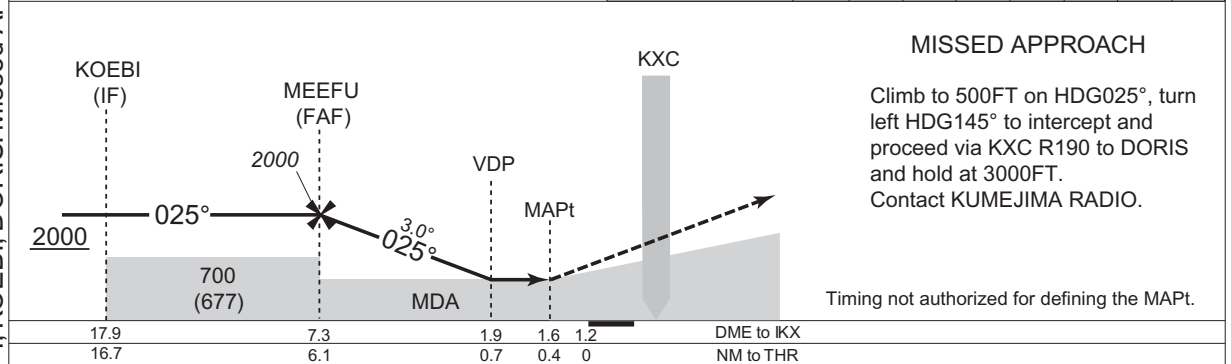
INSTRUMENT APPROACH CHART

ROKJ / KUMEJIMA

LOC RWY 03



CHANGE : BRG FM KXC for DUFFY, KOEBI, DORIS. Missed APCH course. HLDG course.



Missed APCH climb gradient MNM 5.0%

| MINIMA |           | THR elev. 22 | AD elev. 23 |
|--------|-----------|--------------|-------------|
| CAT    | CIRCLING  |              |             |
|        | MDA(H)    | CMV          | MDA(H)      |
|        | 280 (257) | 1500         | 380 (357)   |
|        |           | 1600         | 480 (457)   |
|        |           |              | VIS         |
|        |           |              | 1600        |
|        |           | 1800         | 580 (557)   |
|        |           |              | 3200        |

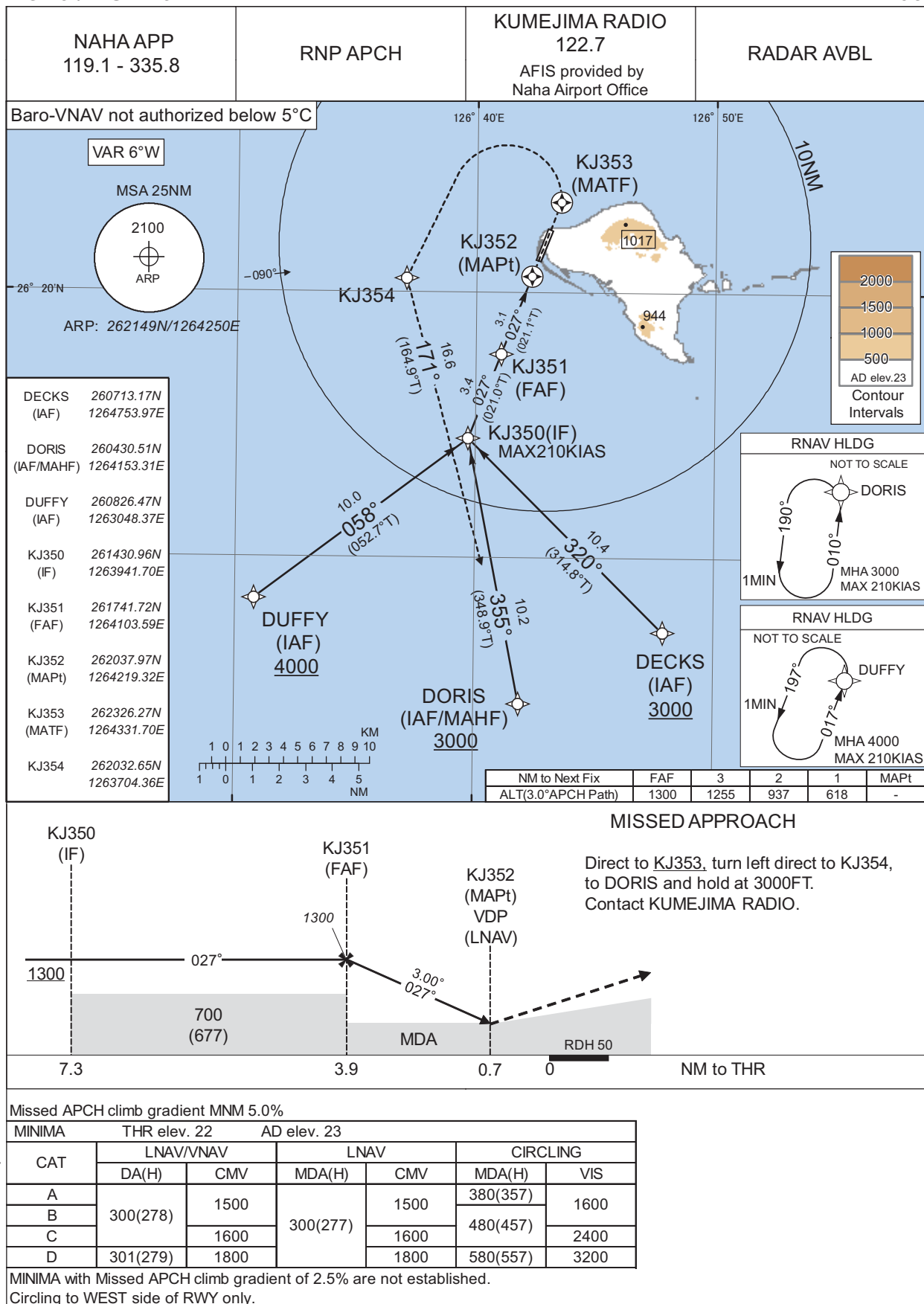
MINIMA with Missed APCH climb gradient of 2.5% are not established.

Circling to WEST side of RWY only.

## INSTRUMENT APPROACH CHART

ROKJ / KUMEJIMA

RNP RWY03

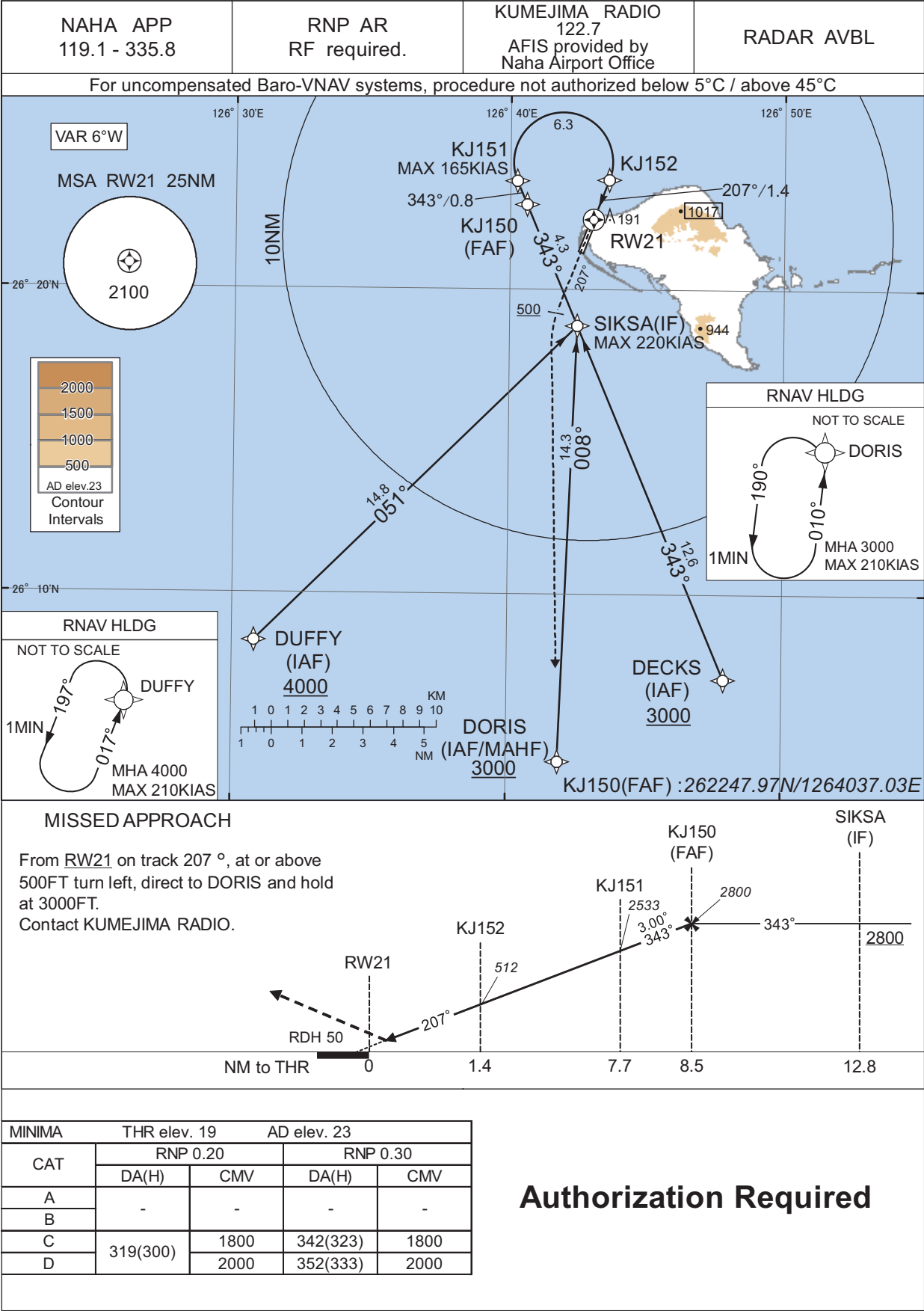


CHANGE : Description of VAR.

INSTRUMENT APPROACH CHART

ROKJ / KUMEJIMA

RNP RWY21(AR)



## INSTRUMENT APPROACH CHART

ROKJ / KUMEJIMA

RNP RWY21(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                                 | DECKS               | -        | -             | -5.7               | -             | -              | +3000         | -            | -               | -            |
| 002           | TF                                 | SIKSA               | -        | 343 (337.3)   | -5.7               | 12.6          | -              | +2800         | -220         | -               | 0.3          |
| 001           | IF                                 | DORIS               | -        | -             | -5.7               | -             | -              | +3000         | -            | -               | -            |
| 002           | TF                                 | SIKSA               | -        | 008 (002.1)   | -5.7               | 14.3          | -              | +2800         | -220         | -               | 1.0          |
| 001           | IF                                 | DUFFY               | -        | -             | -5.7               | -             | -              | +4000         | -            | -               | -            |
| 002           | TF                                 | SIKSA               | -        | 051 (045.2)   | -5.7               | 14.8          | -              | +2800         | -220         | -               | 1.0          |
| 001           | IF                                 | SIKSA               | -        | -             | -5.7               | -             | -              | +2800         | -220         | -               | -            |
| 002           | TF                                 | KJ150               | -        | 343 (337.2)   | -5.7               | 4.3           | -              | 2800          | -            | -               | 0.3          |
| 003           | TF                                 | KJ151               | -        | 343 (337.2)   | -5.7               | 0.8           | -              | 2533          | -165         | -3.00           | 0.20<br>0.30 |
| 004           | RF<br>Center:<br>KJRF1<br>r=1.62NM | KJ152               | -        | -             | -5.7               | 6.3           | R              | 512           | -            | -3.00           | 0.20<br>0.30 |
| 005           | TF                                 | RW21                | Y        | 207 (201.1)   | -5.7               | 1.4           | -              | 69            | -            | -3.00/50        | 0.20<br>0.30 |
| 006           | FA                                 | -                   | -        | 207 (201.1)   | -5.7               | -             | -              | +500          | -            | -               | 1.0          |
| 007           | DF                                 | DORIS               | -        | -             | -5.7               | -             | L              | 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 | DORIS               | 010 (004.1)           | -5.7               | 1.0 (-14000)        | L              | 3000                  | FL140                 | -210 (-14000) | 1.0       |
| Hold | DUFFY               | 017 (010.9)           | -5.7               | 1.0 (-14000)        | L              | 4000                  | FL140                 | -210 (-14000) | 1.0       |

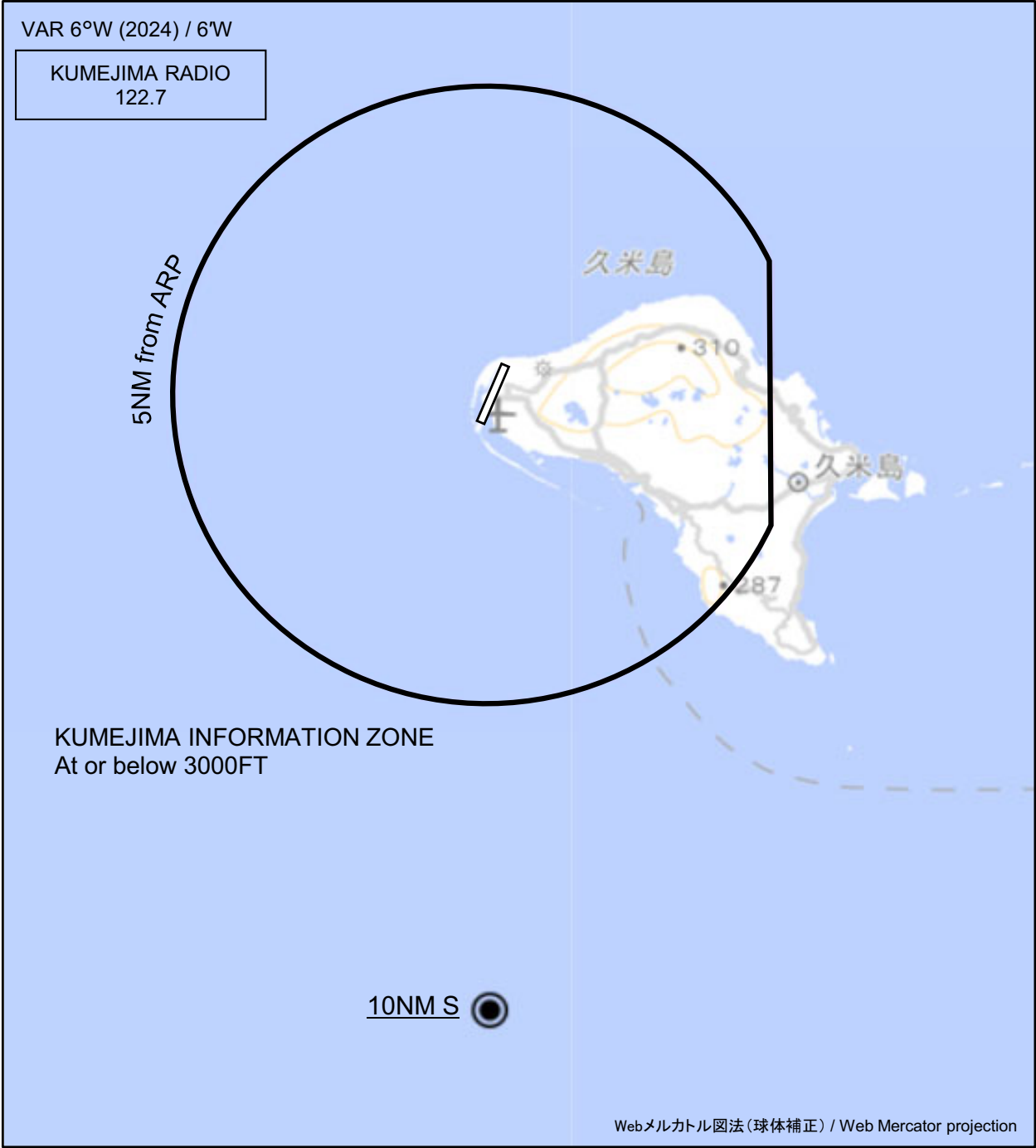
Waypoint Coordinates

| Waypoint Identifier | Coordinates              | RF Arc Center Identifier | Coordinates              |
|---------------------|--------------------------|--------------------------|--------------------------|
| DECKS               | 260713.17N / 1264753.97E | KJRF1                    | 262412.35N / 1264155.20E |
| DORIS               | 260430.51N / 1264153.31E |                          |                          |
| DUFFY               | 260826.47N / 1263048.37E |                          |                          |
| SIKSA               | 261849.62N / 1264228.65E |                          |                          |
| KJ150               | 262247.97N / 1264037.03E |                          |                          |
| KJ151               | 262334.37N / 1264015.28E |                          |                          |
| KJ152               | 262337.07N / 1264336.35E |                          |                          |
| RW21                | 262218.92N / 1264302.73E |                          |                          |

CHANGE : New PROC.

ROKJ / KUME JIMA

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 : VAR.

| Call sign | BRG / DIST from ARP | Remarks            |
|-----------|---------------------|--------------------|
| 10NM S    | 180°T / 10.0NM      | 海上<br>Over the sea |

ROKJ / KUMEJIMA

Minimum Vectoring Altitude CHART

