



CHANGE : PROC abolished(DUFFY TWO DEPARTURE, BISIS TRANSITION). PROC renamed(SOUTH FOUR DEPARTURE)

STANDARD DEPARTURE CHART -INSTRUMENT

ROKJ / KUMEJIMA SID

SOUTH FOUR DEPARTURE

RWY03 : Climb RWY HDG to 500FT, turn left HDG144° to intercept and

proceed via KXC R189 to DORIS.

Maintain 4000FT or below until intercepting KXC R189, cross

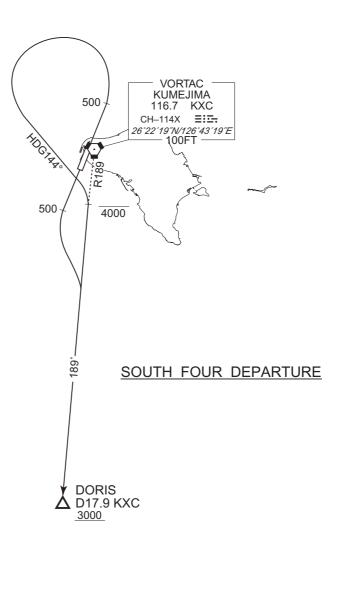
DORIS at or above 3000FT.

RWY21: Climb RWY HDG to 500FT, turn left to intercept and proceed via

KXC R189 to DORIS.

Cross DORIS at or above 3000FT.

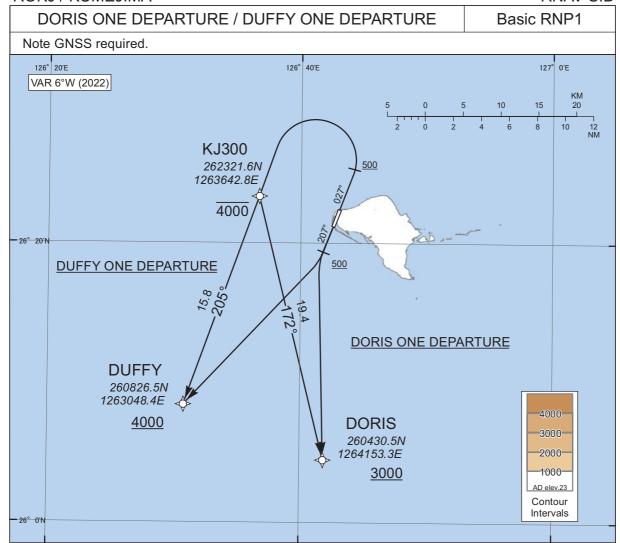
Note RWY03: 5.0% climb gradient required up to 500FT.



STANDARD DEPARTURE CHART -INSTRUMENT

ROKJ / KUMEJIMA

RNAV SID



DORIS ONE DEPARTURE

RWY03 : Climb on HDG027°at or above 500FT, turn left direct to KJ300 at or below 4000FT, to DORIS at or above 3000FT.

RWY21: Climb on HDG207°at or above 500FT, turn left direct to DORIS at or above 3000FT.

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

DUFFY ONE DEPARTURE

RWY03: Climb on HDG027°at or above 500FT, turn left direct to KJ300 at or below 4000FT,

to DUFFY at or above 4000FT.

RWY21 : Climb on HDG207° at or above 500FT, turn right direct to DUFFY at or above 4000FT.

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

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 (021.1) | -5.7 | - | ı | +500 | - | - | Basic RNP1 |
| 002 | DF | KJ300 | 1 | - | -5.7 | ı | L | -4000 | - | 1 | Basic RNP1 |
| 003 | TF | DORIS | 1 | 172 (166.1) | -5.7 | 19.4 | - | +3000 | - | - | Basic RNP1 |

RWY21

| Serial Number | Path Descriptor | Waypoint Identifier | , | Course °M(°T) | Magnetic Variation | | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|------------------|--------------------|------------------------|---|------------------|-----------------------|---|-------------------|------------------|-----------------|-------------------|-----------------------------|
| 001 | VA | - | - | 207 (201.1) | -5.7 | ı | - | +500 | - | - | Basic RNP1 |
| 002 | DF | DORIS | - | - | -5.7 | - | L | +3000 | - | - | Basic RNP1 |

DUFFY ONE DEPARTURE

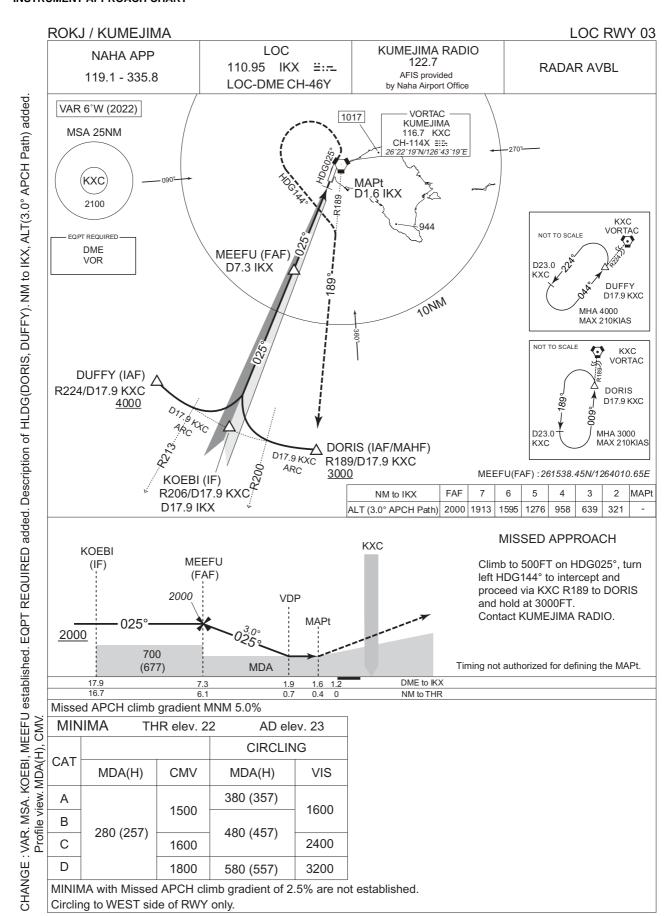
RWY03

| Serial Number | Path Descriptor | Waypoint Identifier | Fly Over | Course °M(°T) | Magnetic Variation | | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|------------------|--------------------|------------------------|-------------|------------------|-----------------------|------|-------------------|------------------|-----------------|-------------------|-----------------------------|
| 001 | VA | - | - | 027 (021.1) | -5.7 | - | - | +500 | - | - | Basic RNP1 |
| 002 | DF | KJ300 | 1 | ı | -5.7 | ı | L | -4000 | ı | 1 | Basic RNP1 |
| 003 | TF | DUFFY | 1 | 205 (199.6) | -5.7 | 15.8 | - | +4000 | - | - | Basic RNP1 |

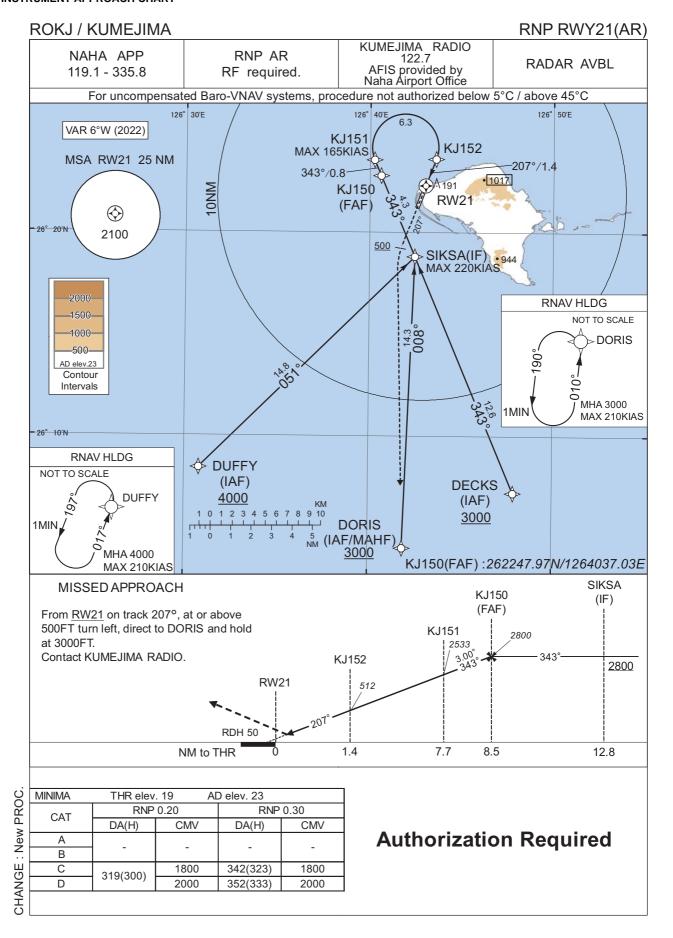
RWY21

| Serial Number | Path Descriptor | Waypoint Identifier | , | Course °M(°T) | Magnetic Variation | | Turn Direction | Altitude (FT) | Speed (KIAS) | Vertical Angle | Navigation Specification |
|------------------|--------------------|------------------------|---|------------------|-----------------------|---|-------------------|------------------|-----------------|-------------------|-----------------------------|
| 001 | VA | ı | - | 207 (201.1) | -5.7 | ı | 1 | +500 | - | - | Basic RNP1 |
| 002 | DF | DUFFY | - | - | -5.7 | - | R | +4000 | - | - | Basic RNP1 |

CHANGE: New PROC.



ROKJ / KUMEJIMA RNP RWY03 **KUMEJIMA RADIO** NAHA APP 122.7 **RNP APCH** RADAR AVBL 119.1 - 335.8 AFIS provided by Naha Airport Office Baro-VNAV not authorized below 5°C 126° 40'E 126° 50'E VAR 6°W (2022) KJ353 (MATF) MSA 25NM 2100 KJ352 1017 \oplus (MAPt) -090° - 26° 20'N KJ354 944 ARP: 262149N/1264250E 500 KJ351 AD elev.23 (FAF) **DECKS** 260713.17N Contour 1264753.97E Intervals (IAF) KJ350(IF) **RNAV HLDG** 260430 51N DORIS MAX210KIAS NOT TO SCALE (IAF/MAHF) 1264153.31E > DORIS 10.0 260826.47N 058° DUFFY 1263048.37E 190 (IAF) 261430 96N KJ350 MHA 3000 (IF) 1263941.70E 1MIN MAX 210KIAS KJ351 261741.72N **DUFFY** RNAV HLDG 1264103.59E (FAF) NOT TO SCALE (IAF) 262037 97N **DECKS** KJ352 4000 DUFFY (MAPt) 1264219.32E (IAF) DORIS 1MIN 3000 KJ353 262326.27N (IAF/MAHF) (MATF) 1264331.70E 3000 MHA 4000 1 0 1 2 3 4 5 6 7 8 9 10 MAX 210KIAS 262032.65N KJ354 NM to Next Fix FAF MAPt 1263704.36E ALT(3.0°APCH Path) 1300 MISSED APPROACH KJ350 KJ351 (IF) Direct to KJ353, turn left direct to KJ354, (FAF) KJ352 to DORIS and hold at 3000FT. (MAPt) Contact KUMEJIMA RADIO. **VDP** 1300 (LNAV) 027 1300 3.00. 700 (677)MDA RDH 50 7.3 3.9 0.7 Ō NM to THR Missed APCH climb gradient MNM 5.0% PROC. MINIMA THR elev. 22 AD elev. 23 LNAV/VNAV LNAV **CIRCLING** CAT CMV DA(H) CMV MDA(H) MDA(H) VIS CHANGE: New Α 380(357) 1500 1500 1600 В 300(278) 300(277) 480(457) С 1600 1600 2400 580(557) 3200 D 301(279) 1800 1800 MINIMA with Missed APCH climb gradient of 2.5% are not established. Circling to WEST side of RWY only



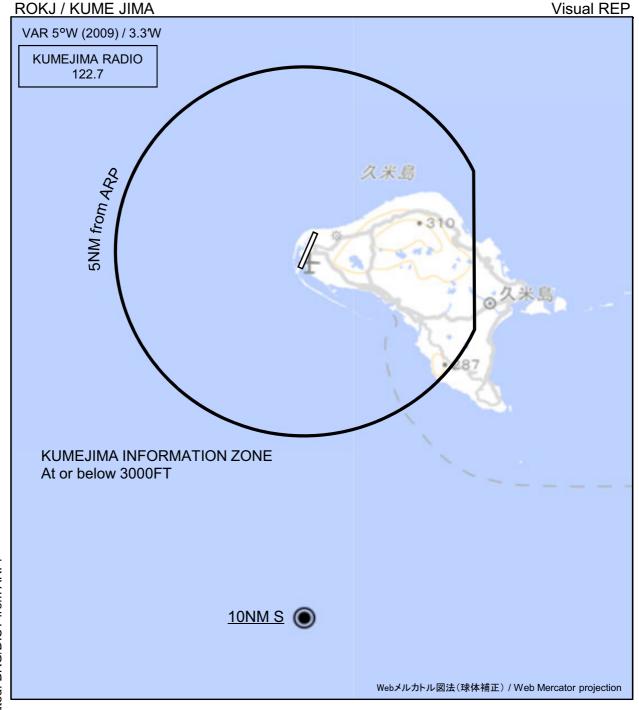
ROKJ / KUMEJIMA

RNP RWY21(AR)

| | | | | | Codir | ng 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 | 1 | 2800 | - | - | 0.3 |
| 003 | TF | KJ151 | - | 343 (337.2) | -5.7 | 0.8 | - | 2533 | -165 | -3.00 | 0.20 0.30 |
| 004 | RF Center: KJRF1 r=1.62NM | KJ152 | ı | 1 | -5.7 | 6.3 | R | 512 | ı | -3.00 | 0.20 0.30 |
| 005 | TF | RW21 | Υ | 207 (201.1) | -5.7 | 1.4 | 1 | 69 | - | -3.00/50 | 0.20 0.30 |
| 006 | FA | - | - | 207 (201.1) | -5.7 | - | 1 | +500 | - | - | 1.0 |
| 007 | DF | DORIS | - | - | -5.7 | - | L | 3000 | - | - | 1.0 |
| Path | Waypoint Identifier | Inbour Cours °M(°T | е | Magnetic Variation | Outbo Tin (MI | ne | 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 (-1 | 4000) | 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 | | |
| L | | | = | |



※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).

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

