



#### 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

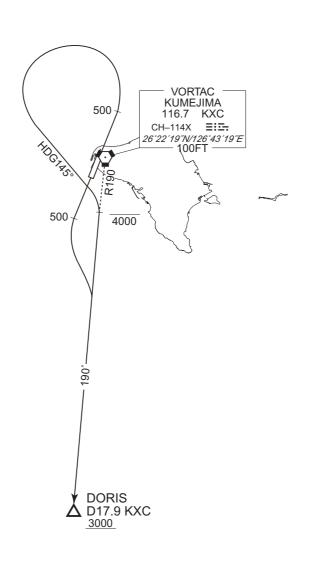
DORIS at or above 3000FT.

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

KXC R190 to DORIS.

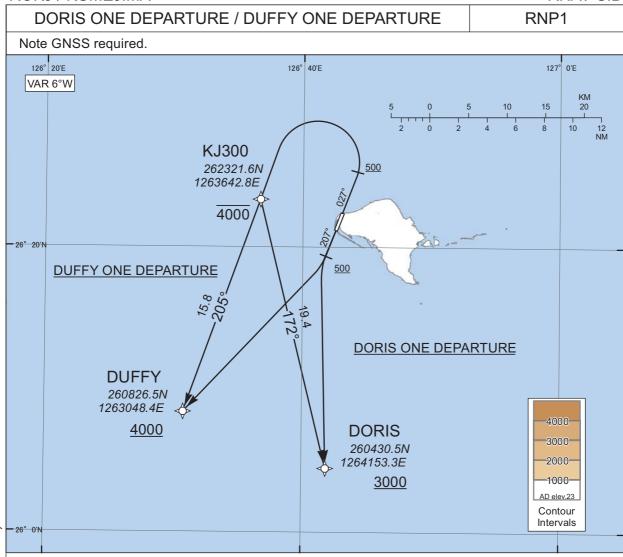
Cross DORIS at or above 3000FT.

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



#### 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.

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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	-	1	027 (021.1)	-5.7	-	-	+500	-	-	RNP1
002	DF	KJ300	1	ı	-5.7	-	L	-4000	-	-	RNP1
003	TF	DORIS	1	172 (166.1)	-5.7	19.4	-	+3000	-	-	RNP1

## RWY21

Serial Numbe	Path r Descriptor	Waypoint Identifier	Fly Over		Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	-	-	207 (201.1)	-5.7	ı	-	+500	ı	ı	RNP1
002	DF	DORIS	-	-	-5.7	-	L	+3000	-	-	RNP1

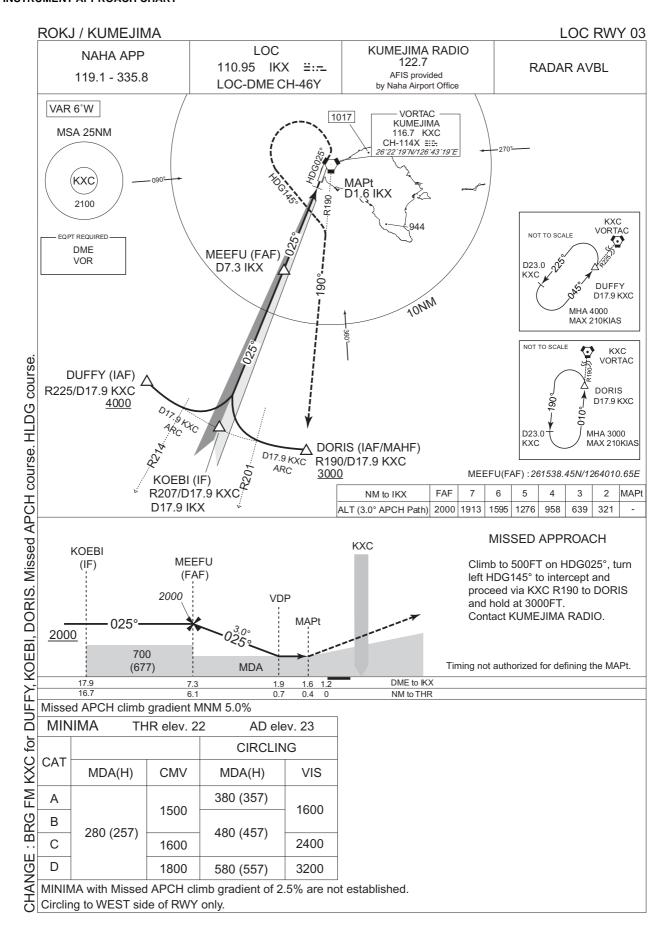
# **DUFFY ONE DEPARTURE**

## RWY03

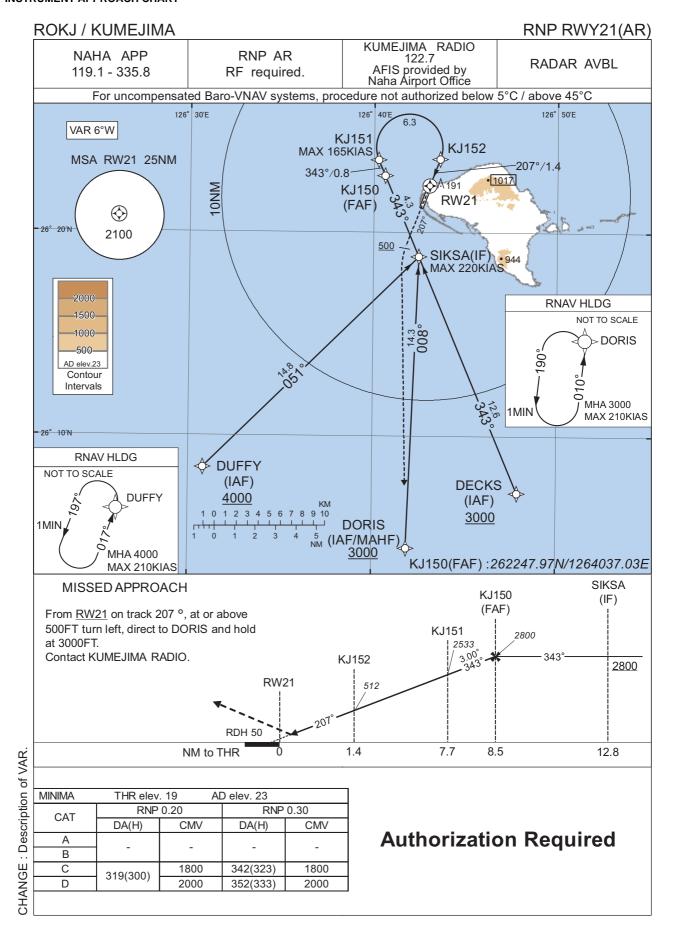
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	-	-	027 (021.1)	-5.7	-	1	+500	1	-	RNP1
002	DF	KJ300	-	ı	-5.7	ı	L	-4000	ı	ı	RNP1
003	TF	DUFFY	-	205 (199.6)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

# RWY21

Serial lumber	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	ı	-	207 (201.1)	-5.7	ı	1	+500	1	ı	RNP1
002	DF	DUFFY	-	-	-5.7	-	R	+4000	-	-	RNP1



**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 KJ353 (MATF) MSA 25NM 2100 KJ352 1017  $\oplus$ (MAPt) -090° - 26° 20'N KJ354 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 10.0 ⊳ DORIS 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 Ō NM to THR : Description of VAR. 0.7 Missed APCH climb gradient MNM 5.0% MINIMA THR elev. 22 AD elev. 23 LNAV/VNAV **CIRCLING** CAT CMV DA(H) CMV MDA(H) MDA(H) VIS 380(357) Α 1500 1500 1600 В 300(278) 300(277) 480(457) CHANGE 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



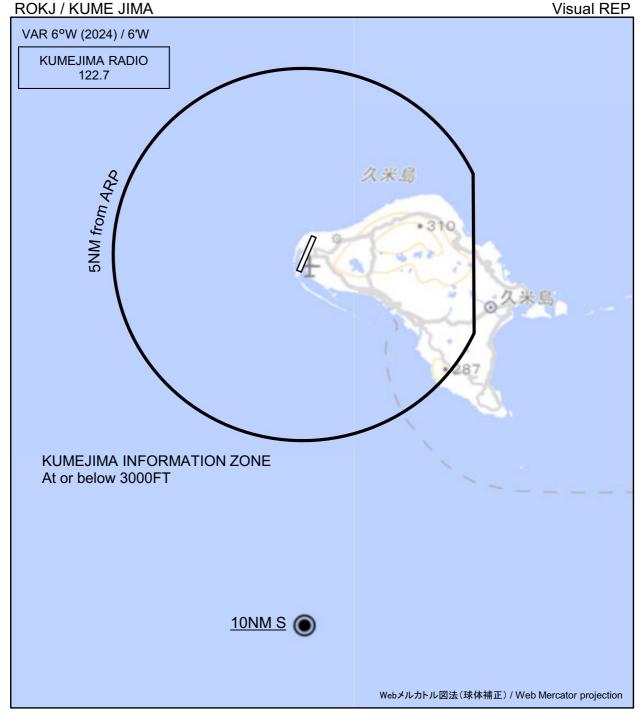
# **ROKJ / KUMEJIMA**

RNP RWY21(AR)

	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	1	2800	-	-	0.3
003	TF	KJ151	-	343 (337.2)	-5.7	0.8	1	2533	-165	-3.00	0.20 0.30
004	RF Center: KJRF1 r=1.62NM	KJ152	•	-	-5.7	6.3	R	512		-3.00	0.20 0.30
005	TF	RW21	Υ	207 (201.1)	-5.7	1.4	ı	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	Cours	Inbound Course °M(°T)		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		
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※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).

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

