

STANDARD DEPARTURE CHART - INSTRUMENT

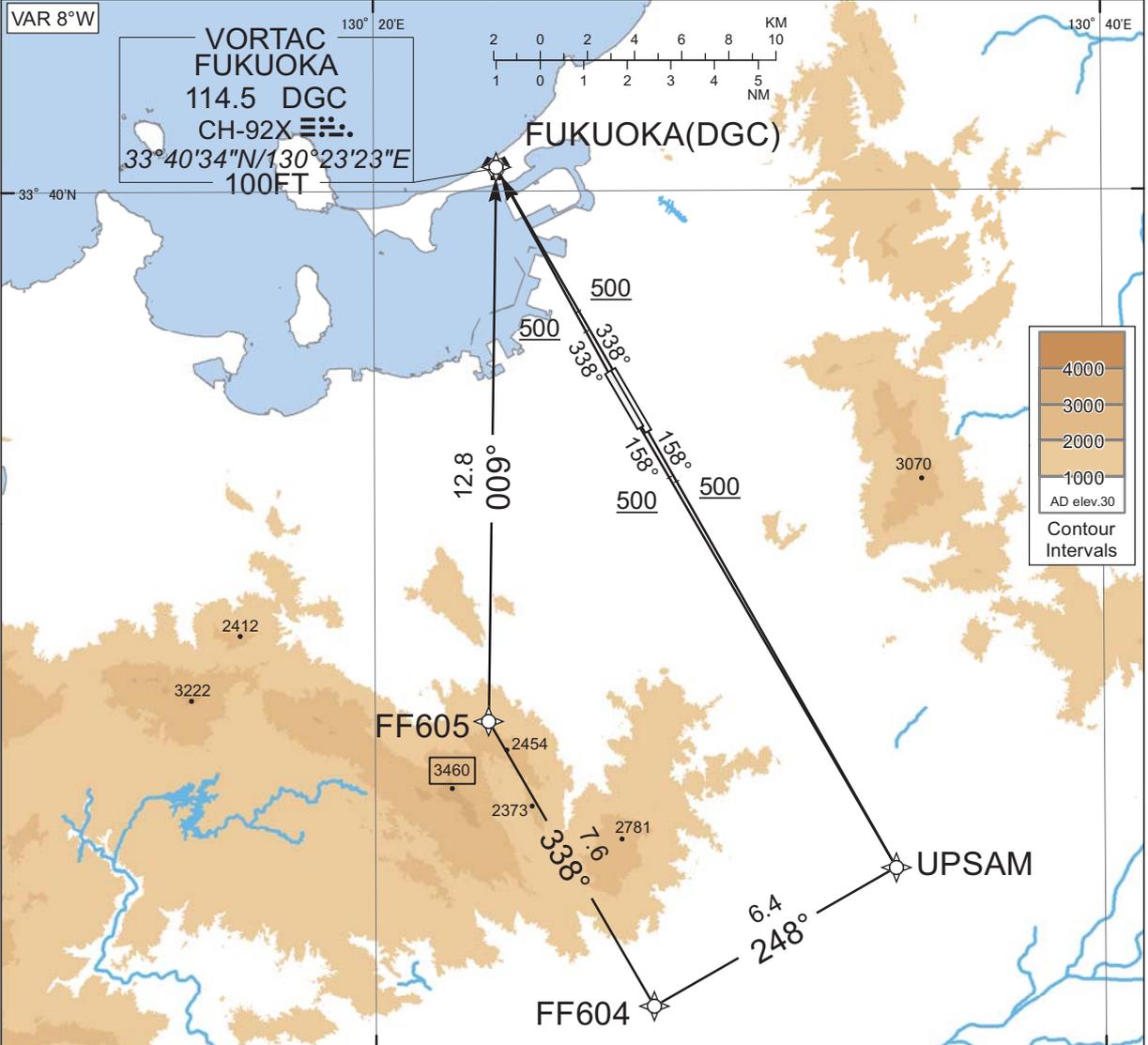
RJFF / FUKUOKA

RNAV SID

HAKATA FIVE 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	RWY16L/16R DGC: 10.8NM to UPSAM - 6.0NM to UPSAM IKE: 10.8NM to UPSAM - 6.0NM to UPSAM RWY34L/34R DGC: 4.5NM to DGC - 3.0NM to DGC IKE: 4.5NM to DGC - 3.0NM to DGC
	DME GAP	RWY16L/16R: DER-10.8NM to UPSAM RWY34L/34R: DER-4.5NM to DGC 3.0NM to DGC - DGC
	Inappropriate NavAids	See AD1.1.6.10.3. Inappropriate NAVAIDS for RNAV1



RWY34R/34L : Climb on HDG 338° at or above 500FT, direct to DGC.  
 RWY16L/16R : Climb on HDG 158° at or above 500FT, direct to UPSAM, to FF604, to FF605, to DGC.  
 Note RWY34R : 5.0% climb gradient required up to 500FT.  
 RWY34L : 7.0% climb gradient required up to 500FT.  
 OBST ALT 135FT located at 0.3NM 309° FM end of RWY34L.  
 RWY16L/16R : 5.8% climb gradient required up to 2900FT.  
 OBST ALT 399FT located at 1.2NM 138° FM end of RWY16L.  
 OBST ALT 3481FT located at 9.7NM 213° FM end of RWY16L.  
 OBST ALT 130FT located at 0.3NM 186° FM end of RWY16R.

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RWY34R / RWY34L

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	-	-	338 (330.4)	-8.0	-	-	+500	-	-	RNAV1
002	DF	DGC	-	-	-8.0	-	-	-	-	-	RNAV1

RWY16L / RWY16R

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	-	-	158 (150.3)	-8.0	-	-	+500	-	-	RNAV1
002	DF	UPSAM	-	-	-8.0	-	-	-	-	-	RNAV1
003	TF	FF604	-	248 (240.2)	-8.0	6.4	-	-	-	-	RNAV1
004	TF	FF605	-	338 (330.4)	-8.0	7.6	-	-	-	-	RNAV1
005	TF	DGC	-	009 (001.0)	-8.0	12.8	-	-	-	-	RNAV1

Waypoint Coordinates

Waypoint Identifier	Coordinates
UPSAM	332418.8N / 1303416.6E
FF604	332107.6N / 1302737.7E
FF605	332744.2N / 1302307.1E
DGC	334034.4N / 1302322.7E