

STANDARD DEPARTURE CHART-INSTRUMENT

RJAF / MATSUMOTO

RNAV SID

NIIGATA ONE DEPARTURE MATSUMOTO ONE DEPARTURE	RNP1
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Note GNSS required.

VAR 8°W

VORTAC  
NIIGATA  
115.5 GTC  
CH-102X   
37°57'30"N/139°06'54"E  
0FT

NIIGATA (GTC)  
375729.9N  
1390653.6E

NIIGATA ONE DEPARTURE

HOKUE  
370644.7N  
1382502.2E  
9000

AZUMI  
362850.2N  
1375432.9E

AF600  
362034.4N  
1375449.2E

MATSUMOTO ONE DEPARTURE

VOR/DME  
MATSUMOTO  
117.6 MBE  
CH-123X   
36°09'22"N/137°55'11"E  
2300FT

MATSUMOTO (MBE)  
360921.5N  
1375511.3E  
10000

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

NIIGATA ONE DEPARTURE

- RWY18 : (Not established)
- RWY36 : Climb on HDG359° at or above 2600FT, direct to AZUMI, to HOKUE at or above 9000FT, to GTC.

MATSUMOTO ONE DEPARTURE

- RWY18 : (Not established)
- RWY36 : Climb on HDG359° at or above 2600FT, direct to AF600, turn right direct to MBE at or above 10000FT.

Note RWY36 : 5.0% climb gradient required up to 5600FT.  
OBST ALT 5315FT located at 8.9NM 048° FM end of RWY36.

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NIIGATA ONE DEPARTURE

RWY36

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	-	-	359 (351.1)	-8.2	-	-	+2600	-	-	RNP1
002	DF	AZUMI	-	-	-8.2	-	-	-	-	-	RNP1
003	TF	HOKUE	-	041 (032.6)	-8.2	45.1	-	+9000	-	-	RNP1
004	TF	GTC	-	041 (033.0)	-8.2	60.7	-	-	-	-	RNP1

MATSUMOTO ONE DEPARTURE

RWY36

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	-	-	359 (351.1)	-8.2	-	-	+2600	-	-	RNP1
002	DF	AF600	Y	-	-8.2	-	-	-	-	-	RNP1
003	DF	MBE	-	-	-8.2	-	R	+10000	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).