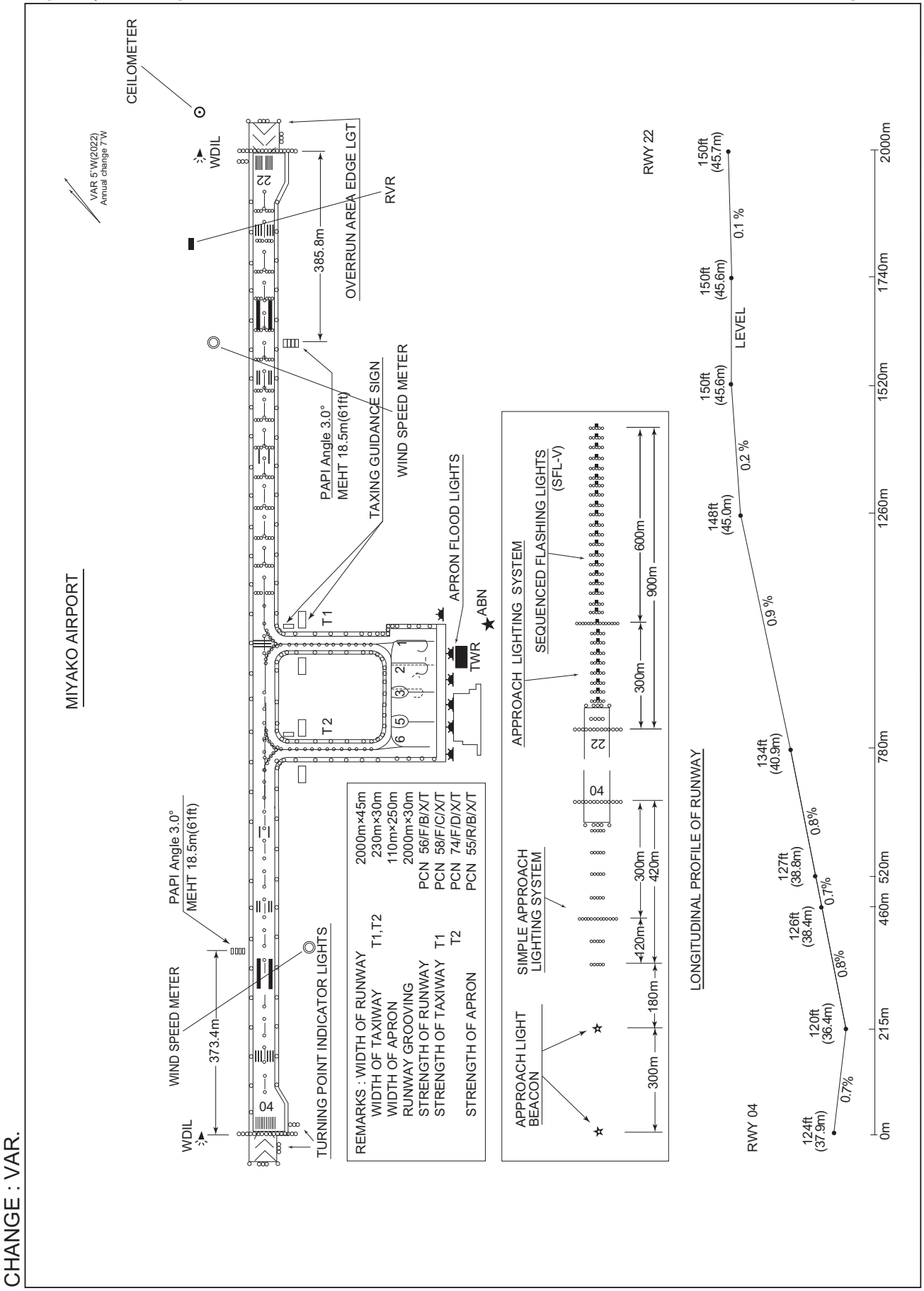
ROMY / MIYAKO AD CHART



CHANGE : VAR.

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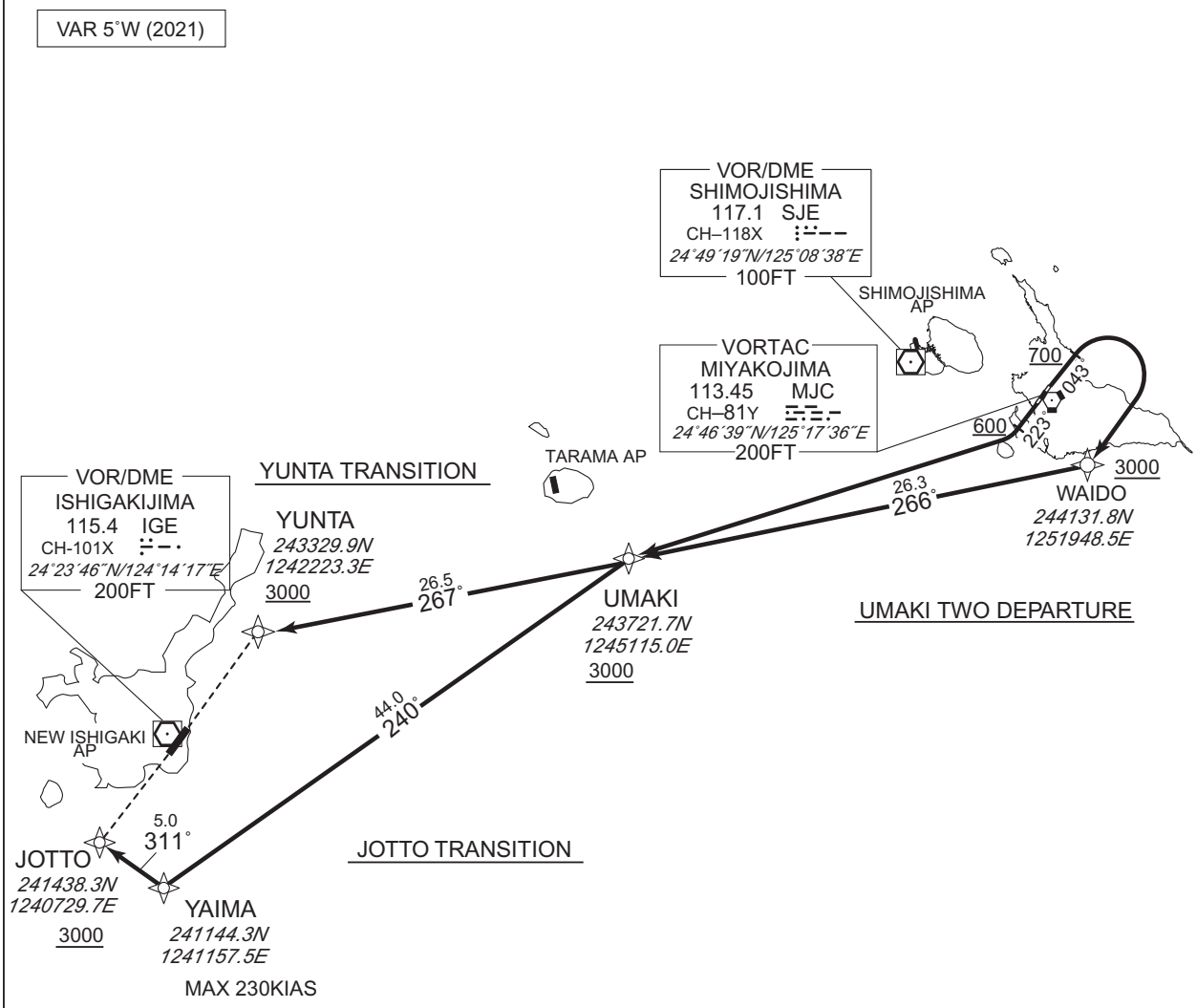
STANDARD DEPARTURE CHART -INSTRUMENT

ROMY / MIYAKO — RNAV SID and TRANSITION

UMAKI TWO DEPARTURE
JOTTO TRANSITION / YUNTA TRANSITION

Basic RNP1

Note GNSS required.



UMAKI TWO DEPARTURE

RWY04 : Climb on HDG043˚ at or above 700FT, turn right direct to WAIDO at or above 3000FT, to UMAKI at or above 3000FT.

RWY22 : Climb on HDG223˚ at or above 600FT, turn right direct to UMAKI at or above 3000FT.

YUNTA TRANSITION

From UMAKI at or above 3000FT, to YUNTA at or above 3000FT.

JOTTO TRANSITION

From UMAKI at or above 3000FT, to YAIMA, to JOTTO at or above 3000FT.

CHANGE : PROC renamed (UMAKI TWO DEPARTURE). Navigation specification. Sensor for RNAV.

STANDARD DEPARTURE CHART -INSTRUMENT

ROMY / MIYAKO RNAV SID and TRANSITION

CHANGE : PROC renamed (UMAKI TWO DEPARTURE). Navigation specification.

UMAKI TWO DEPARTURE

RWY04

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	–	–	043 (038.2)	-5.1	–	–	+700	–	–	Basic RNP1
002	DF	WAIDO	–	—	-5.1	–	R	+3000	–	–	Basic RNP1
003	TF	UMAKI	–	266 (261.0)	-5.1	26.3	–	+3000	–	–	Basic RNP1

RWY22

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	–	–	223 (218.2)	-5.1	–	–	+600	–	–	Basic RNP1
002	DF	UMAKI	–	–	-5.1	–	R	+3000	–	–	Basic RNP1

YUNTA TRANSITION

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	IF	UMAKI	–	–	-5.1	–	–	+3000	–	–	Basic RNP1
002	TF	YUNTA	–	267 (261.7)	-5.1	26.5	–	+3000	–	–	Basic RNP1

JOTTO TRANSITION

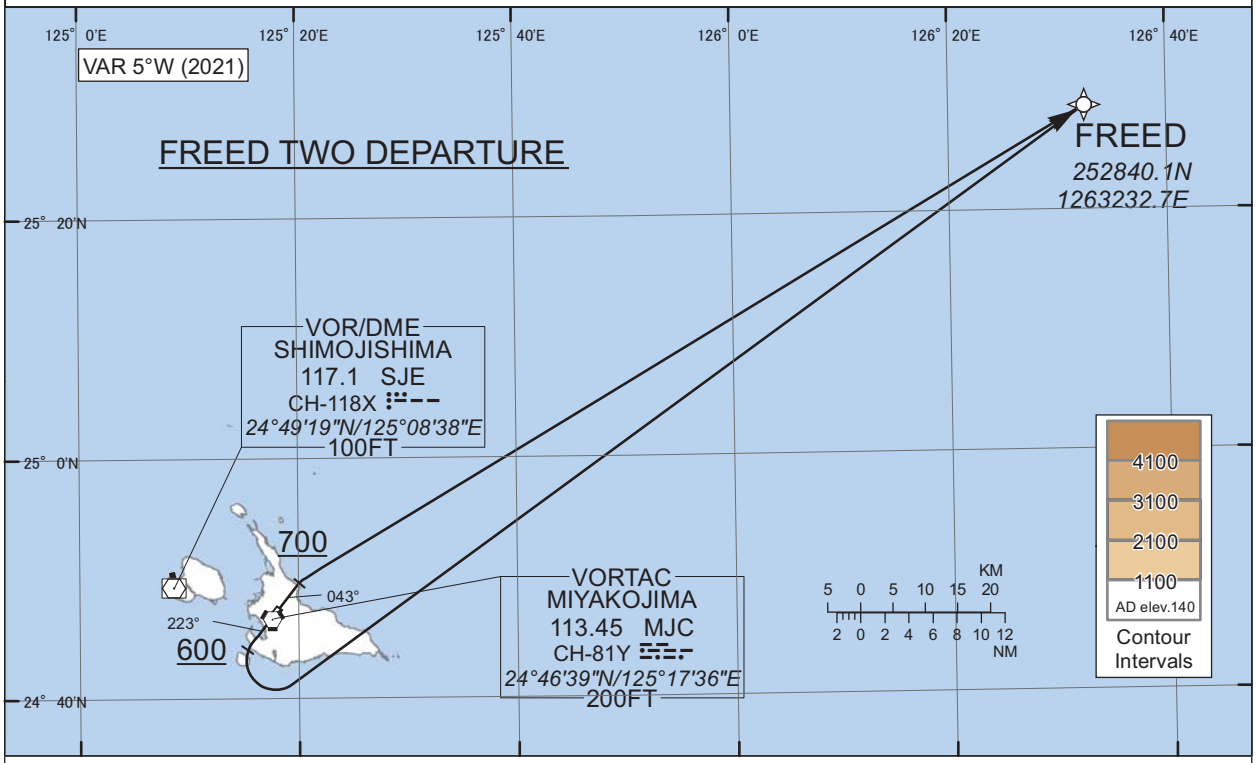
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course ˚M(˚T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	UMAKI	–	–	-5.1	–	–	+3000	–	–	Basic RNP1
002	TF	YAIMA	–	240 (234.5)	-5.1	44.0	–	–	-230	–	Basic RNP1
003	TF	JOTTO	–	311 (305.5)	-5.1	5.0	–	+3000	–	–	Basic RNP1

STANDARD DEPARTURE CHART -INSTRUMENT

ROMY / MIYAKO — RNAV SID

FREED TWO DEPARTURE	Basic RNP1

Note GNSS required.



FREED TWO DEPARTURE

RWY04 : Climb on HDG043° at or above 700FT, turn right direct to FREED.
RWY22 : Climb on HDG223° at or above 600FT, turn left direct to FREED.

RWY04

Serial Number	Path Descriptor	Way point Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	-	-	043 (038.2)	-5.1	-	-	+700	-	-	Basic RNP1
002	DF	FREED	-	-	-5.1	-	R	-	-	-	Basic RNP1

RWY22

Serial Number	Path Descriptor	Way point Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	-	-	223 (218.2)	-5.1	-	-	+600	-	-	Basic RNP1
002	DF	FREED	-	-	-5.1	-	L	-	-	-	Basic RNP1

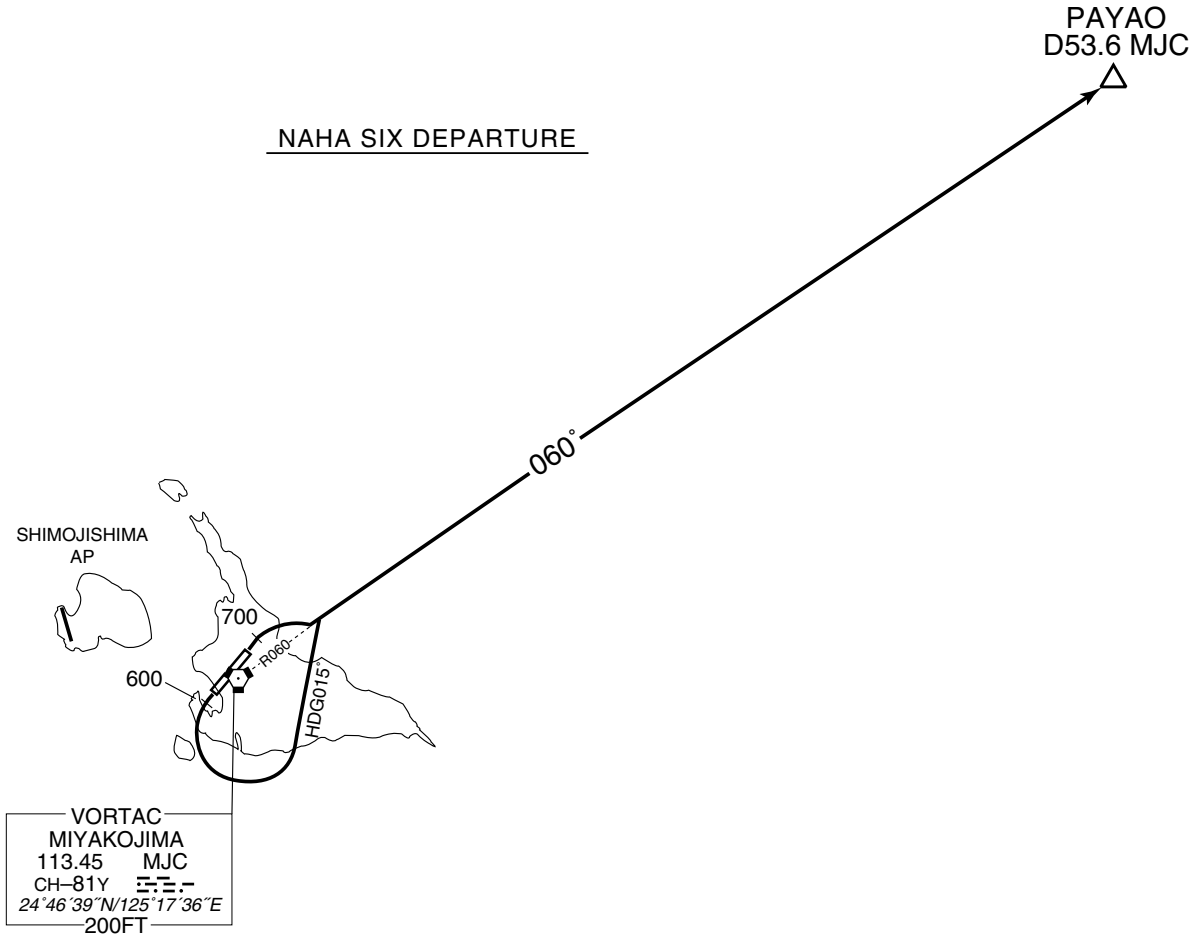
CHANGE : PROC renamed. Navigation specification. Sensor for RNAV.

STANDARD DEPARTURE CHART -INSTRUMENT

ROMY / MIYAKO SID

NAHA SIX DEPARTURE

RWY 04 : Climb RWY HDG to 700FT, turn right...
RWY 22 : Climb RWY HDG to 600FT, turn left HDG015˚...
... to intercept and proceed via MJC R060 to PAYAO.

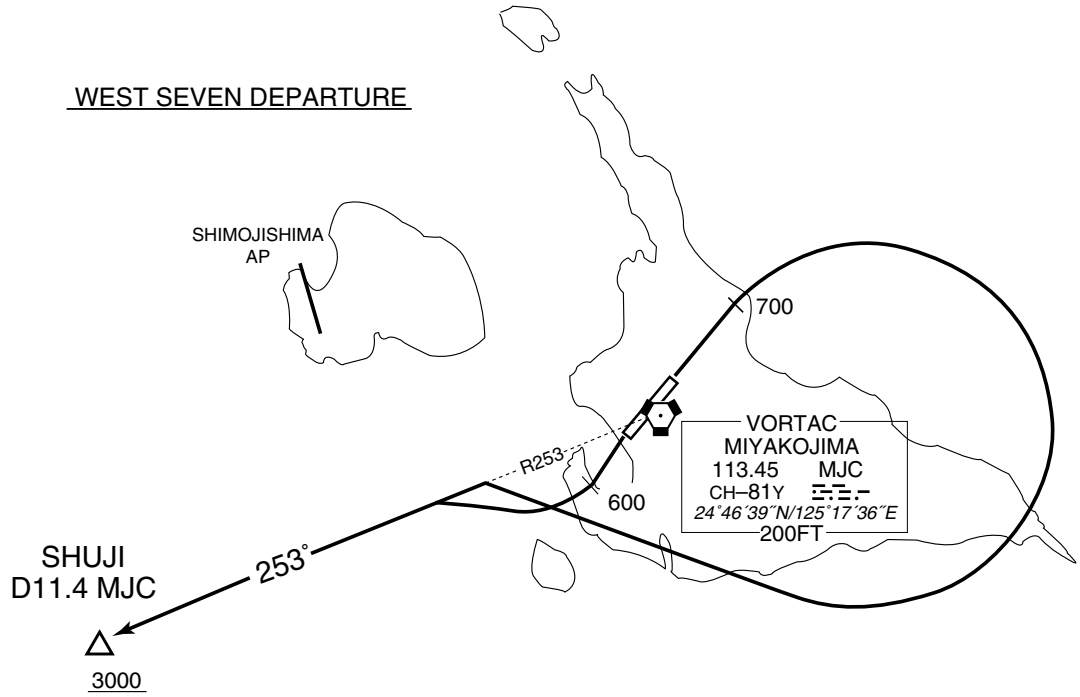


STANDARD DEPARTURE CHART -INSTRUMENT

ROMY / MIYAKO SID

WEST SEVEN DEPARTURE

RWY 04 : Climb RWY HDG to 700FT, turn right...
RWY 22 : Climb RWY HDG to 600FT, turn right...
... to intercept and proceed via MJC R253 to SHUJI.
Cross SHUJI at or above 3000FT.

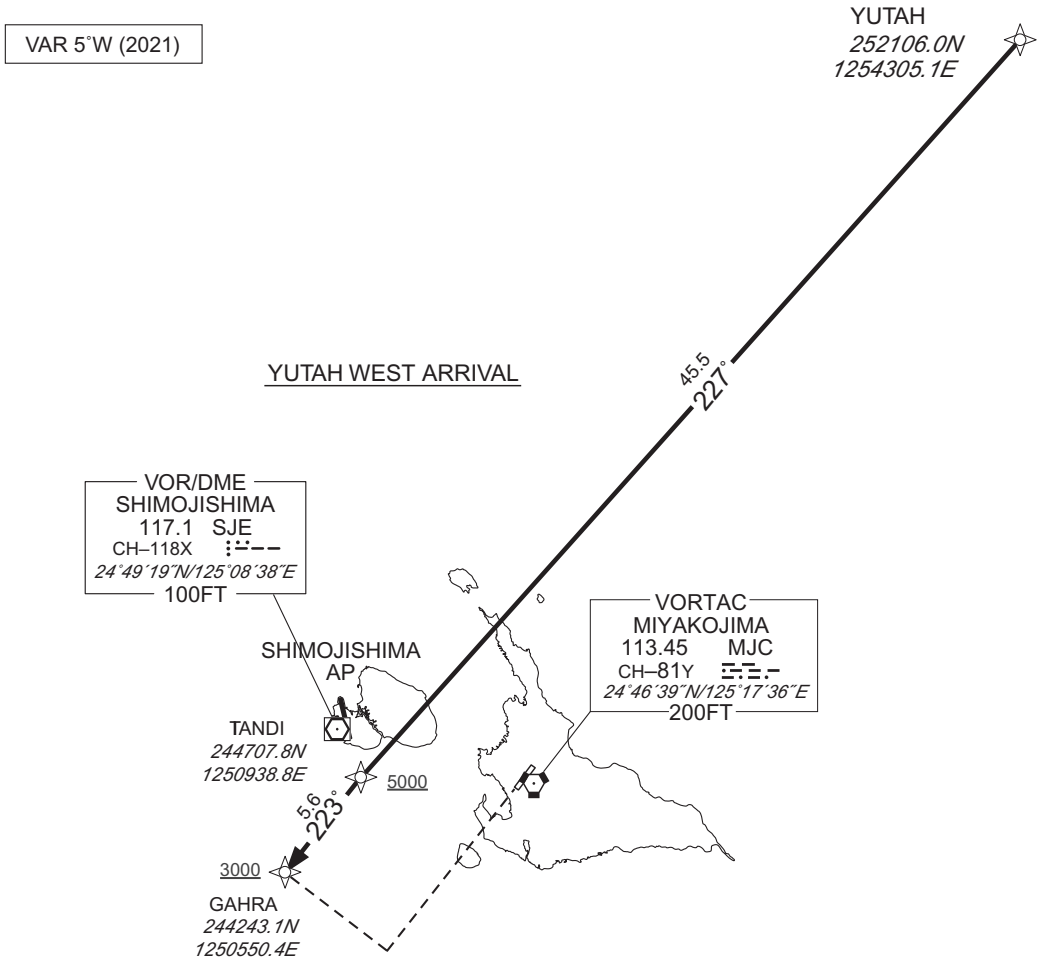


STANDARD ARRIVAL CHART - INSTRUMENT

ROMY / MIYAKO — RNAV STAR RWY04

YUTAH WEST ARRIVAL	Basic RNP1

Note GNSS required.



YUTAH WEST ARRIVAL

From YUTAH, to TANDI at or above 5000FT, to GAHRA at or above 3000FT.

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	IF	YUTAH	—	—	-5.1	—	—	—	—	—	Basic RNP1
002	TF	TANDI	—	227 (221.8)	-5.1	45.5	—	+5000	—	—	Basic RNP1
003	TF	GAHRA	—	223 (218.1)	-5.1	5.6	—	+3000	—	—	Basic RNP1

CHANGE : Navigation specification. Sensor for RNAV.

STANDARD ARRIVAL CHART - INSTRUMENT

ROMY / MIYAKO

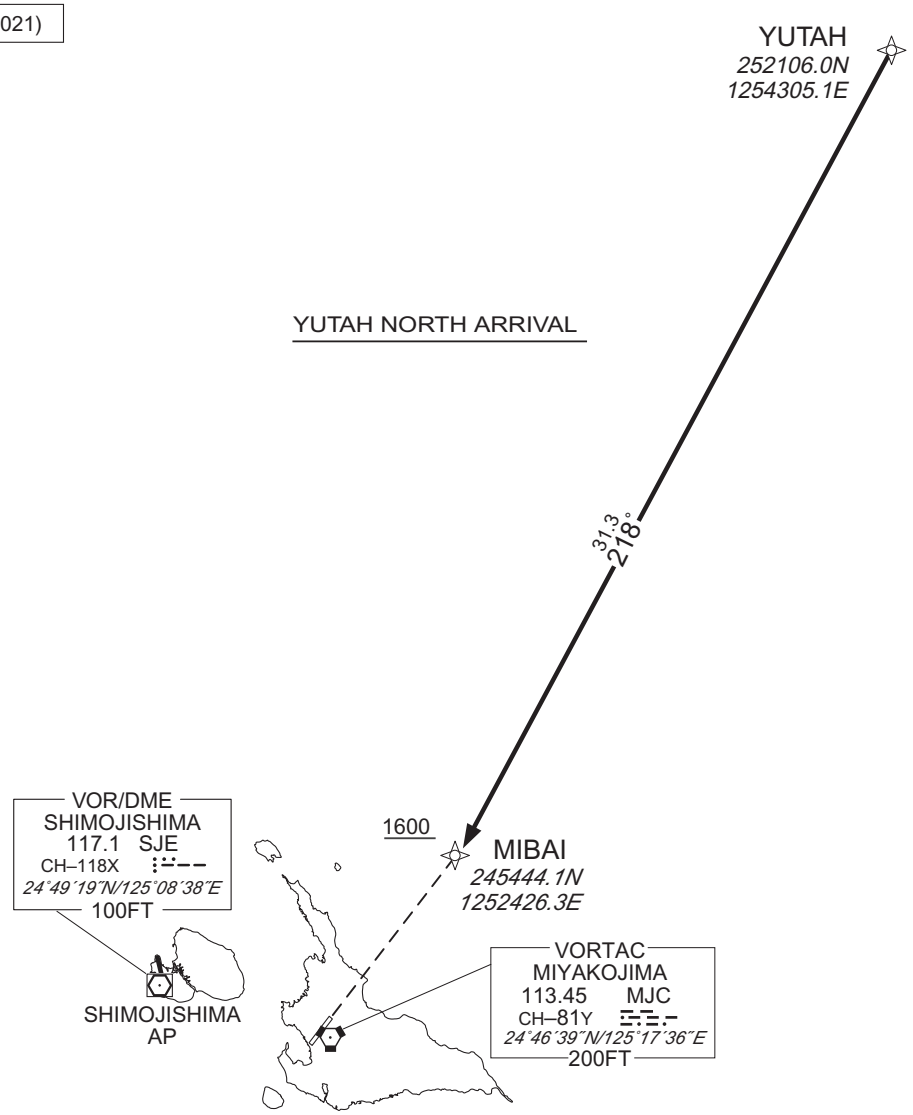
RNAV STAR RWY22

YUTAH NORTH ARRIVAL

Basic RNP1

Note GNSS required.

VAR 5˚W (2021)



YUTAH NORTH ARRIVAL

From YUTAH, to MIBAI at or above 1600FT.

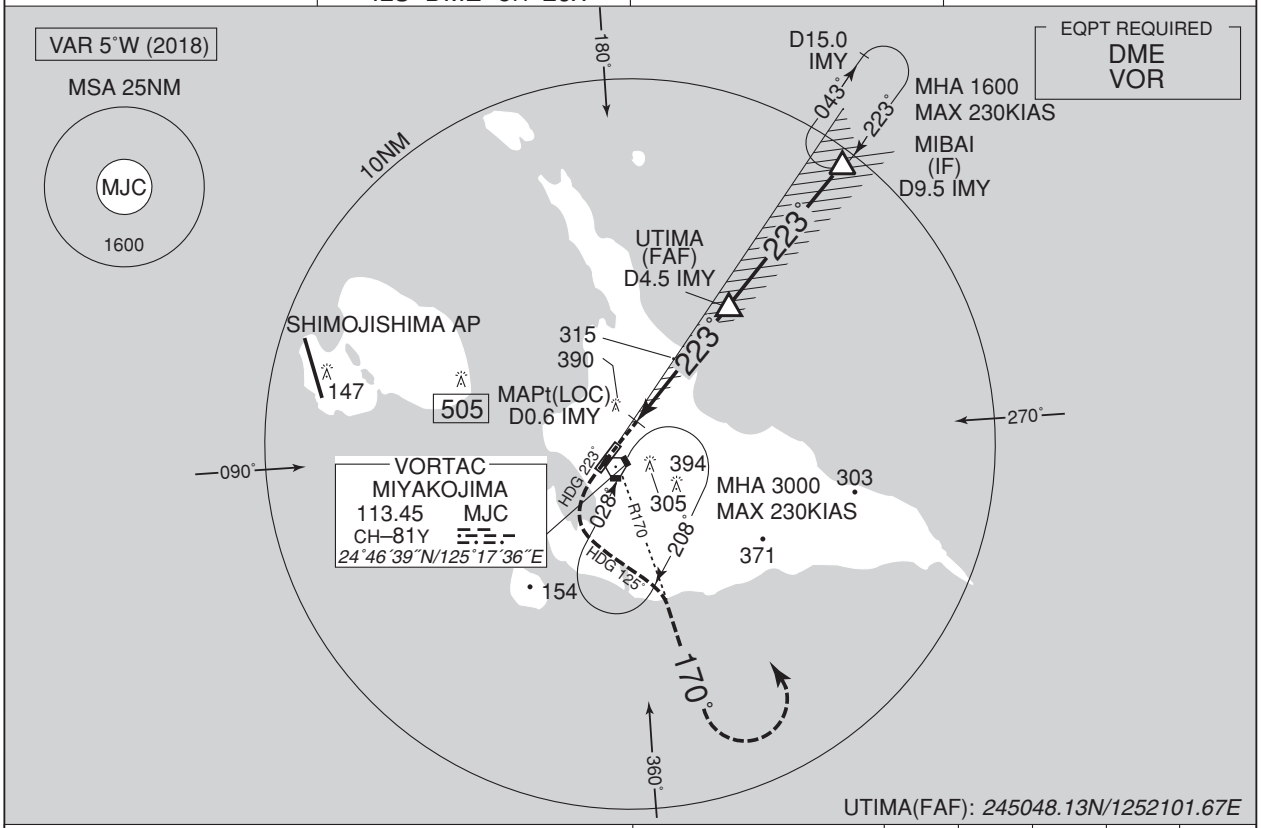
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course ˚M(˚T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	YUTAH	—	—	-5.1	—	—	—	—	—	Basic RNP1
002	TF	MIBAI	—	218 (212.7)	-5.1	31.3	—	+1600	—	—	Basic RNP1

CHANGE : Navigation specification. Sensor for RNAV.

INSTRUMENT APPROACH CHART

ROMY / MIYAKO — ILS Z or LOC Z RWY22

SAKISHIMA APP	ILS - LOC	MIYAKO TOWER	RADAR AVBL
125.0 –121.2	108.9 IMY ILS–GP 329.3 ILS–DME CH–26X	118.2 –126.2	

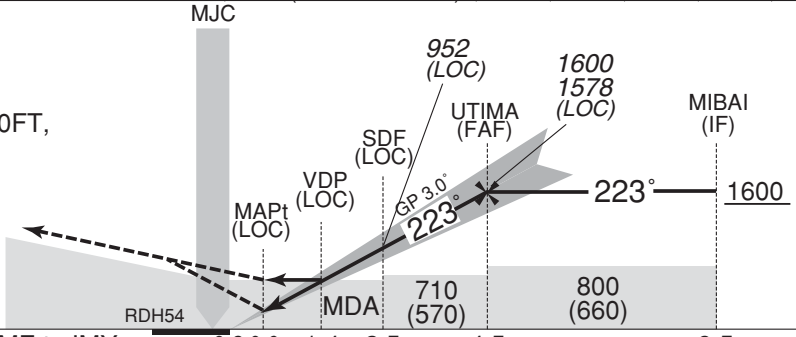


NM to IMY	MAPt	2	3	4	FAF
ALT (3.0° APCH Path)	–	781	1100	1419	1578

MISSED APPROACH

Climb to 600FT on HDG 223°,
turn left HDG 125° to intercept
and proceed via MJC R170 to 2000FT,
turn left, direct to MJC VORTAC
and hold at 3000FT.
Contact SAKISHIMA APP.

Timing not authorized for defining the MAPt.



DME to IMY	0.2	0.6	1.4	2.5	4.5	9.5
NM to THR	0	0.4	1.3	2.4	4.3	9.3

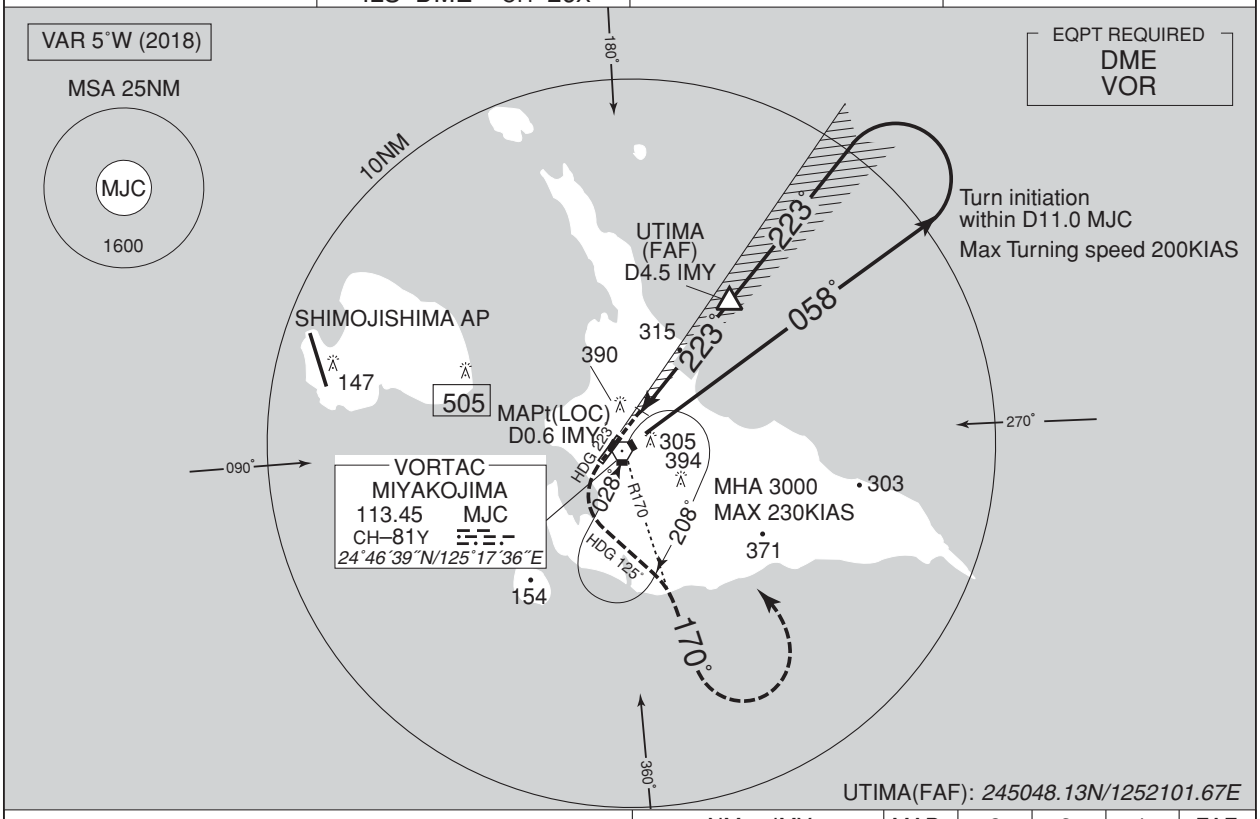
MINIMA — THR elev. 150 — AD elev. 140

CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/CMV	MDA(H)	RVR/CMV	MDA(H)	VIS
A	350 (200)	550	580 (440)	900	710 (570)	1600
B				1000		
C						2400
D				1400		3200

INSTRUMENT APPROACH CHART

ROMY / MIYAKO — ILS Y or LOC Y RWY22

SAKISHIMA APP	ILS-LOC	MIYAKO TOWER	RADAR AVBL
125.0 –121.2	108.9 IMY ILS–GP 329.3 ILS–DME CH–26X	118.2 –126.2	

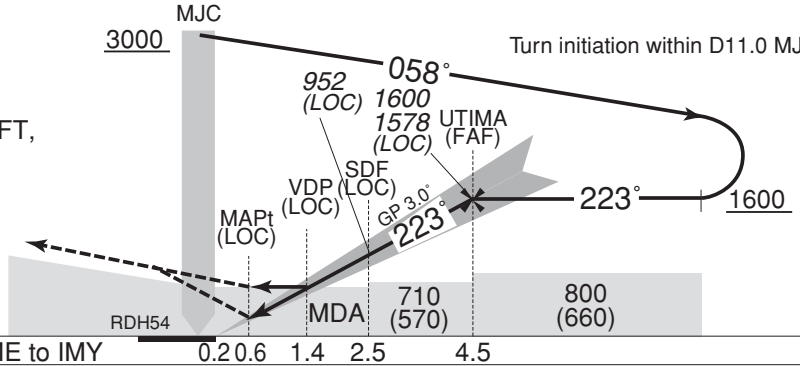


NM to IMY	MAPt	2	3	4	FAF
ALT (3.0˚ APCH Path)	–	781	1100	1419	1578

MISSED APPROACH

Climb to 600FT on HDG 223˚,
turn left HDG 125˚ to intercept
and proceed via MJC R170 to 2000FT,
turn left, direct to MJC VORTAC
and hold at 3000FT.
Contact SAKISHIMA APP.

Timing not authorized for defining the MAPt.



DME to IMY	0.2	0.6	1.4	2.5	4.5
NM to THR	0	0.4	1.3	2.4	4.3

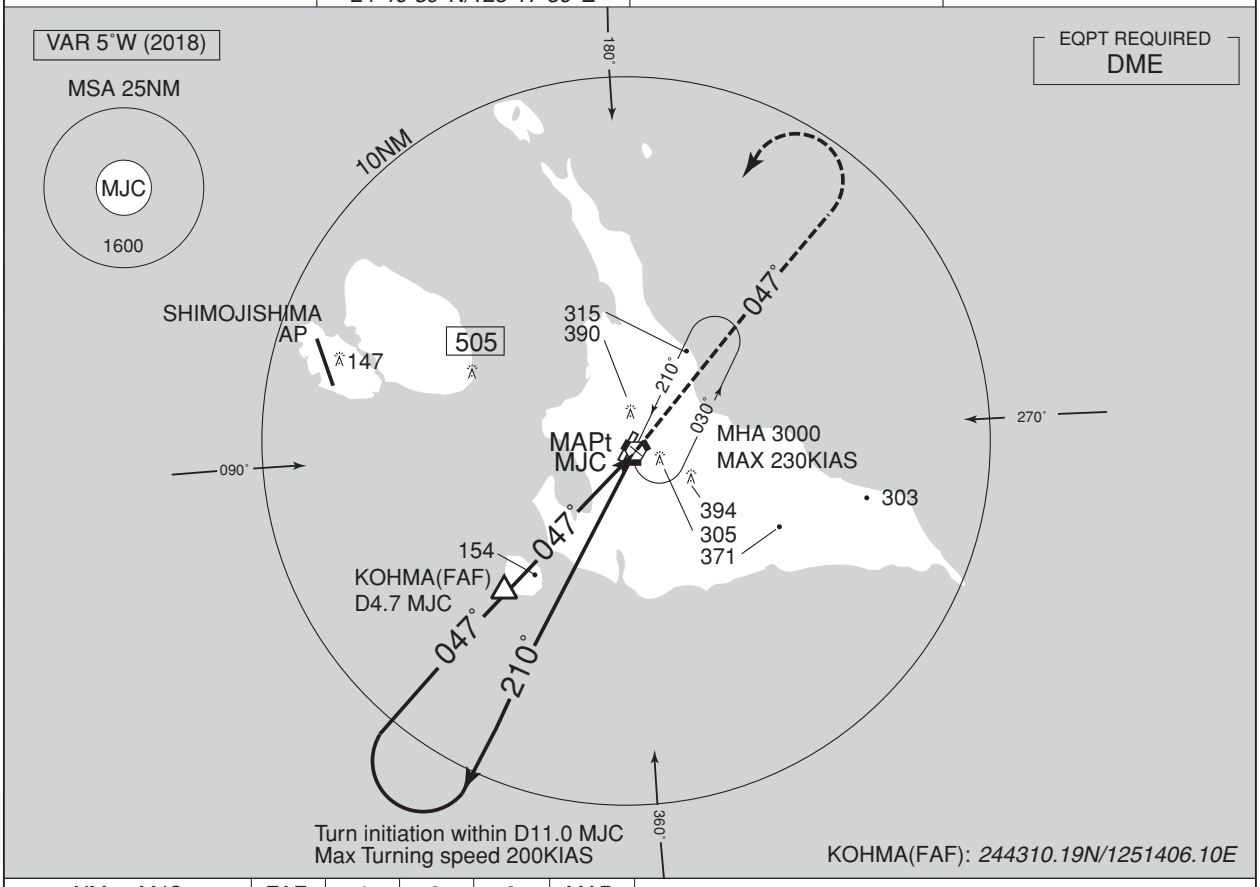
MINIMA — THR elev. 150 — AD elev. 140

CAT	CAT I		LOC		CIRCLING	
	DA(H)	RVR/ CMV	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	350 (200)	550	580 (440)	900	710 (570)	1600
B				1000		
C						2400
D				1400		3200

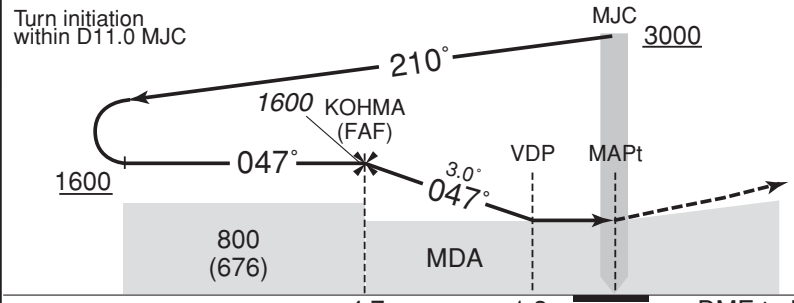
INSTRUMENT APPROACH CHART

ROMY / MIYAKO VOR RWY04

SAKISHIMA APP	MIYAKOJIMA VORTAC	MIYAKO TOWER	RADAR AVBL
125.0 –121.2	113.45 MJC CH–81Y *24˚46´39˝N/125˚17´36˝E*	118.2 –126.2	



NM to MJC	FAF	4	3	2	MAPt
ALT (3.0˚ APCH Path)	1600	1374	1055	737	–



MISSED APPROACH

Climb via MJC R047 to 2000FT, turn left, direct to MJC VORTAC and hold at 3000FT.
Contact SAKISHIMA APP.

Timing not authorized for defining the MAPt.

4.7	1.3	0.2		DME to MJC
4.5	1.1	0		NM to THR

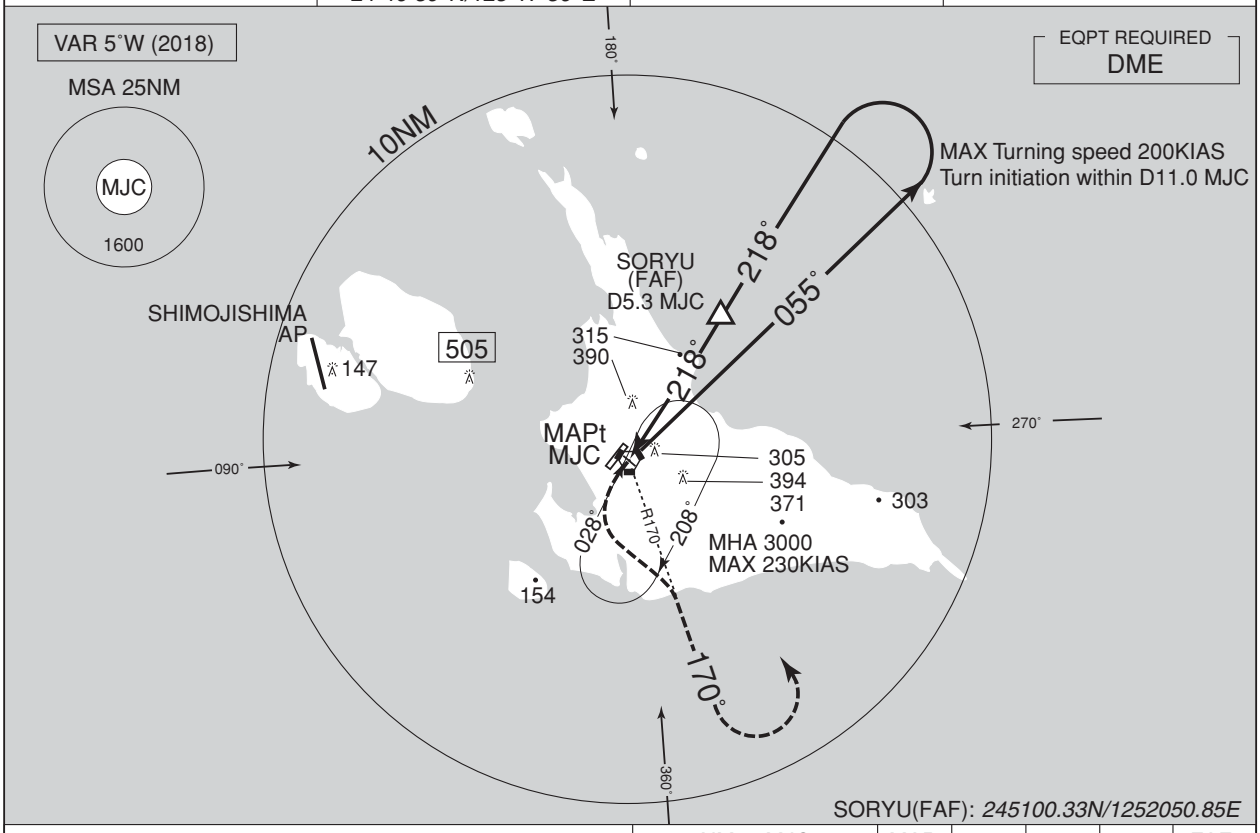
MINIMA THR elev. 124 AD elev. 140

CAT			CIRCLING	
	MDA(H)	CMV	MDA(H)	VIS
A	510 (386)	1200	710 (570)	1600
B		1300		
C		1400		2400
D		1600		3200

INSTRUMENT APPROACH CHART

ROMY / MIYAKO VOR RWY22

SAKISHIMA APP	MIYAKOJIMA VORTAC	MIYAKO TOWER	RADAR AVBL
125.0 –121.2	113.45 MJC CH–81Y *24˚46´39˝N/125˚17´36˝E*	118.2 –126.2	

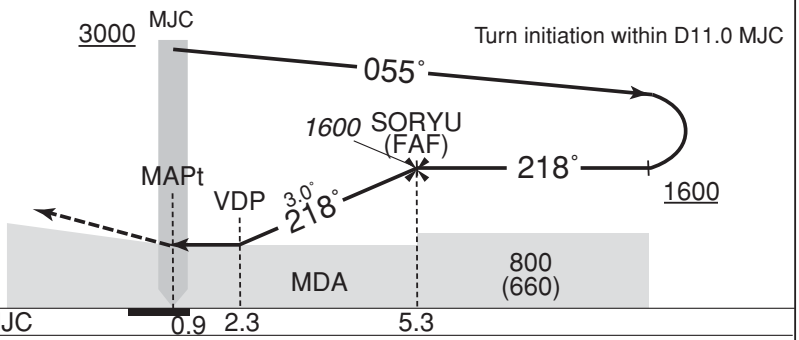


NM to MJC	MAPt	3	4	5	FAF
ALT (3.0˚ APCH Path)	–	881	1200	1518	1600

MISSED APPROACH

Turn left, climb via MJC R170 to 2000FT, turn left, direct to MJC VORTAC and hold at 3000FT. Contact SAKISHIMA APP.

Timing not authorized for defining the MAPt.



DME to MJC	0.9	2.3	5.3
NM to THR	0	1.5	4.4

MINIMA THR elev. 150 AD elev. 140

CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	640 (500)	1000	710 (570)	1600
B		1200		
C				2400
D		1600		3200

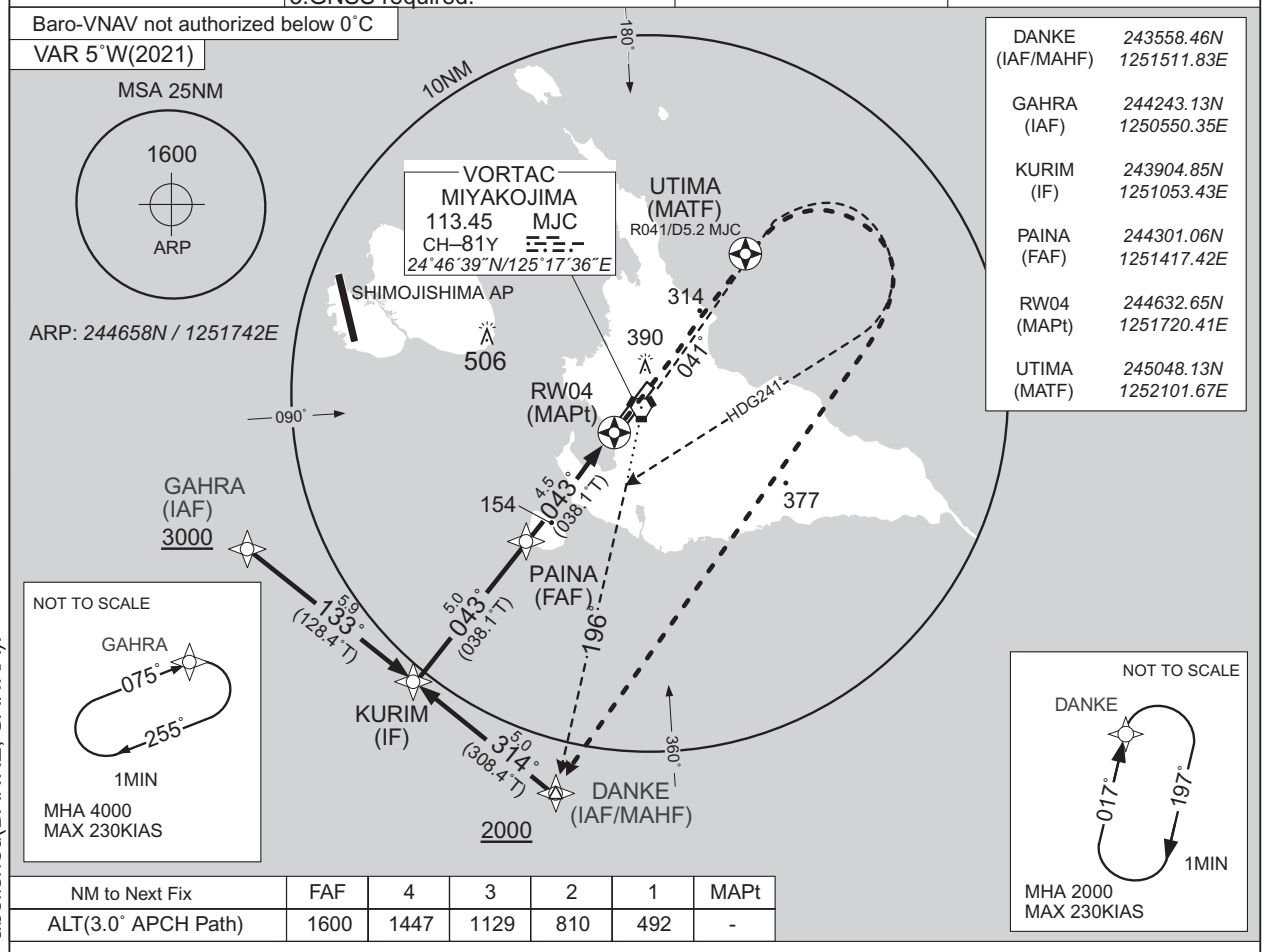
INSTRUMENT APPROACH CHART

ROMY / MIYAKO — RNAV(GNSS) Z RWY04

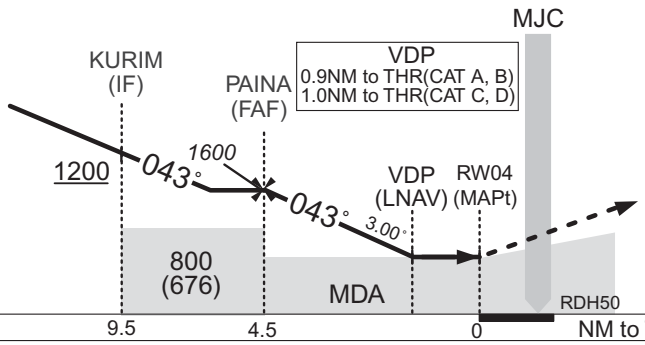
SAKISHIMA APP		MIYAKO TOWER	
125.0 –121.2	1.DME/DME RNP0.3 not authorized. 2.RNP0.3 required. 3.GNSS required.	118.2 –126.2	RADAR AVBL

Baro-VNAV not authorized below 0˚C

VAR 5˚W(2021)



NM to Next Fix	FAF	4	3	2	1	MAPt
ALT(3.0˚ APCH Path)	1600	1447	1129	810	492	-



MISSED APPROACH

Climb direct to UTIMA, turn right direct to DANKE and hold at 2000FT.
Contact SAKISHIMA APP.

(For using VORTAC)
Climb via MJC R041 to UTIMA, turn right HDG241˚ to intercept and proceed via MJC R196 to DANKE and hold at 2000FT.
Contact SAKISHIMA APP.

MINIMA THR elev. 124 AD elev. 140

CAT	LNAV/VNAV		LNAV		CIRCLING	
	DA(H)	CMV	MDA(H)	CMV	MDA(H)	VIS
A	460(336)	1200	460(336)	1200	710(570)	1600
B		1300		1300		
C	480(356)	1400	480(356)	1400		2400
D		1600		1600		3200

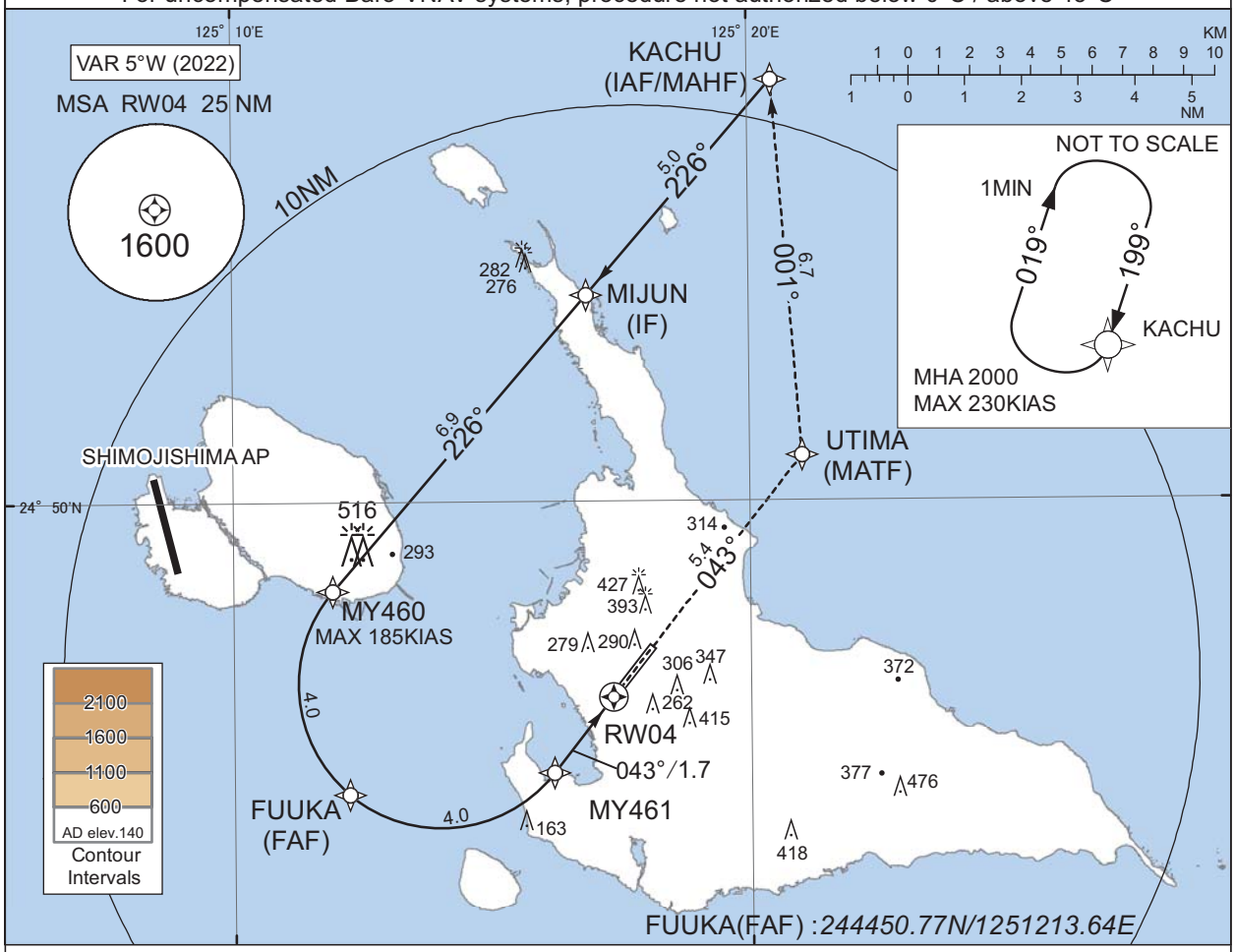
CHANGE : RNAV HLDG established(DANKE, GAHRA). HLDG for NAVAID abolished(DANKE, GAHRA).

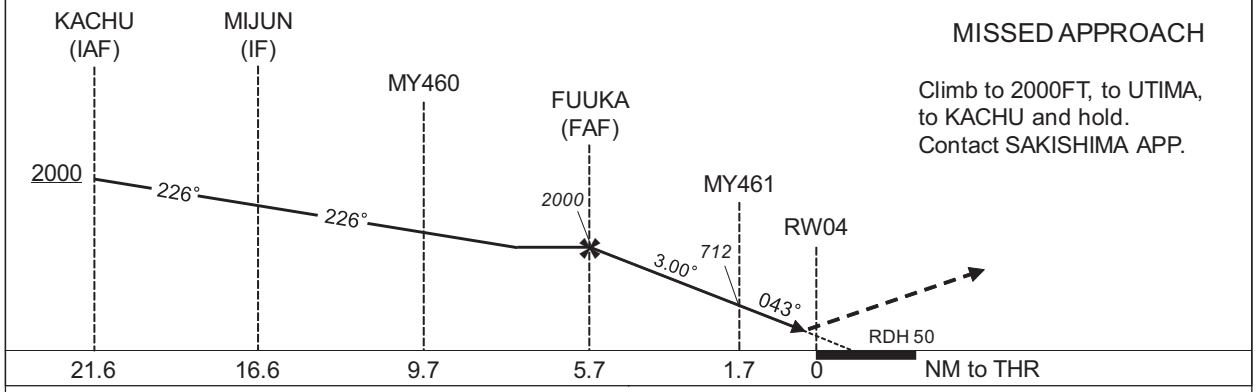
INSTRUMENT APPROACH CHART

ROMY / MIYAKO — RNAV(RNP) Y RWY04

SAKISHIMA APP 125.0 - 121.2	GNSS and RF required.	MIYAKO TOWER 118.2 - 126.2	RADAR AVBL

For uncompensated Baro-VNAV systems, procedure not authorized below 0°C / above 45°C





MISSED APPROACH

Climb to 2000FT, to UTIMA,
to KACHU and hold.
Contact SAKISHIMA APP.

MINIMA	THR elev. 124		AD elev. 140	
CAT	RNP 0.29		RNP 0.30	
	DA(H)	CMV	DA(H)	CMV
A	-	-	-	-
B				
C	424(300)	1400	430(306)	1400
D		1600	440(316)	1600

RNP AR

Special Authorization Required

CHANGE : VAR. RNAV HLDG established(KACHU). HLDG for NAVAID abolished(KACHU).

INSTRUMENT APPROACH CHART

ROMY / MIYAKO RNAV(RNP) Y RWY04

RNAV(RNP) Y RWY04

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	KACHU	-	-	-5.2	-	-	+2000	-	-	-
002	TF	MIJUN	-	226 (220.8)	-5.2	5.0	-	-	-	-	1.0
003	TF	MY460	-	226 (220.7)	-5.2	6.9	-	+2000	-185	-	1.0
004	RF Center: MYRF1 r=2.52NM	FUUKA	-	-	-5.2	4.0	L	2000	-	-	1.0
005	RF Center: MYRF1 r=2.52NM	MY461	-	-	-5.2	4.0	L	712	-	-3.00	0.29 0.30
006	TF	RW04	Y	043 (038.1)	-5.2	1.7	-	174	-	-3.00/50	0.29 0.30
007	TF	UTIMA	-	043 (038.2)	-5.2	5.4	-	-	-	-	1.0
008	TF	KACHU	-	001 (355.6)	-5.2	6.7	-	2000	-	-	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	KACHU	199 (193.5)	-5.2	1.0 (-14000)	R	2000	FL140	-230 (-14000)	1.0

Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
KACHU	*245726.14N / 1252027.95E*	MYRF1	*244646.77N / 1251400.81E*
MIJUN	*245338.80N / 1251651.84E*		
MY460	*244826.09N / 1251155.10E*		
FUUKA	*244450.77N / 1251213.64E*		
MY461	*244512.72N / 1251611.26E*		
RW04	*244632.65N / 1251720.41E*		
UTIMA	*245048.13N / 1252101.67E*		

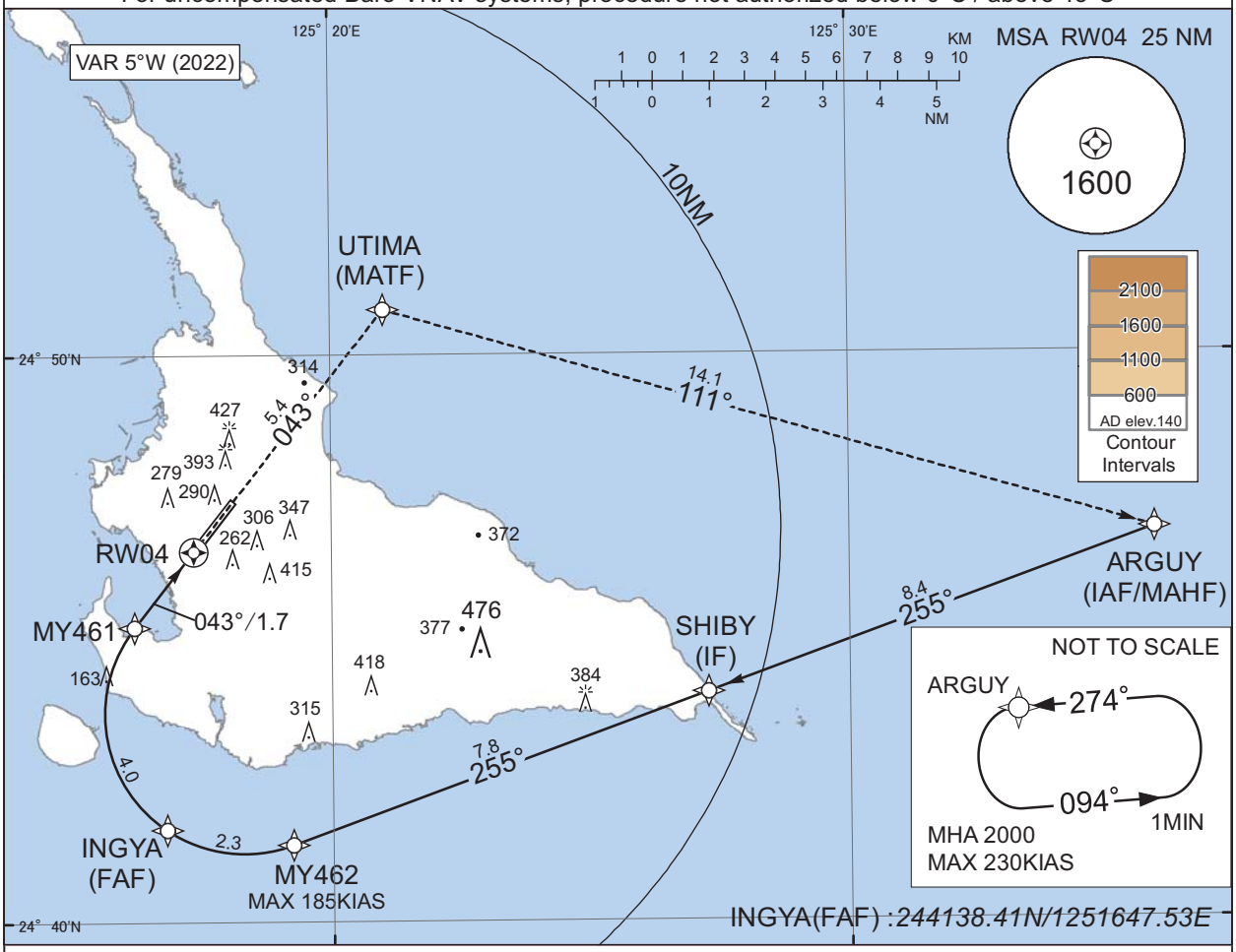
CHANGE : VAR. RNAV HLDG established(KACHU).

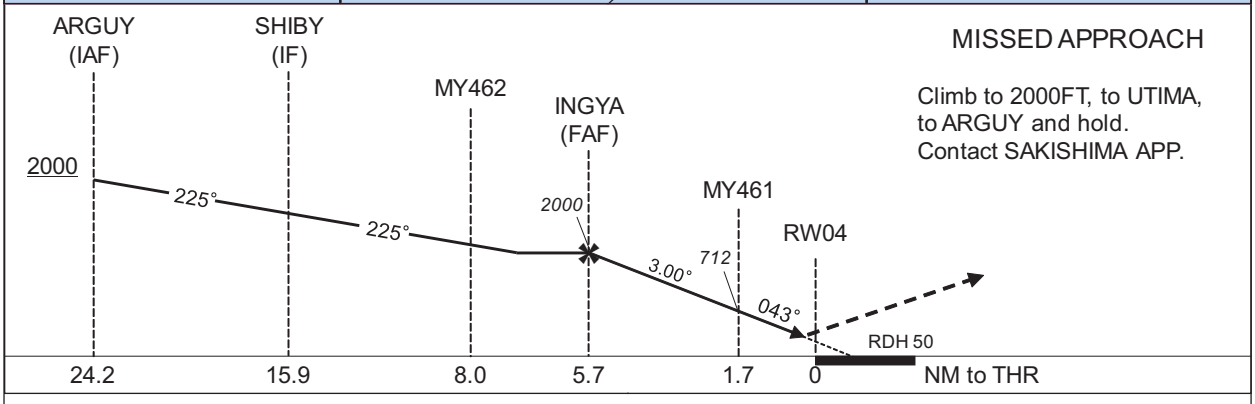
INSTRUMENT APPROACH CHART

ROMY / MIYAKO — RNAV(RNP) X RWY04

SAKISHIMA APP 125.0 - 121.2	GNSS and RF required.	MIYAKO TOWER 118.2 - 126.2	RADAR AVBL

For uncompensated Baro-VNAV systems, procedure not authorized below 0°C / above 45°C





MINIMA	THR elev. 124		AD elev. 140	
CAT	RNP 0.29		RNP 0.30	
	DA(H)	CMV	DA(H)	CMV
A	-	-	-	-
B				
C	424(300)	1400	430(306)	1400
D		1600	440(316)	1600

RNP AR

Special Authorization Required

CHANGE : VAR. RNAV HLDG established(ARGUY). HLDG for NAVAID abolished(ARGUY).

INSTRUMENT APPROACH CHART

ROMY / MIYAKO RNAV(RNP) X RWY04

RNAV(RNP) X RWY04

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	ARGUY	-	-	-5.2	-	-	+2000	-	-	-
002	TF	SHIBY	-	255 (250.0)	-5.2	8.4	-	-	-	-	1.0
003	TF	MY462	-	255 (250.0)	-5.2	7.8	-	+2000	-185	-	1.0
004	RF Center: MYRF2 r=2.46NM	INGYA	-	-	-5.2	2.3	R	2000	-	-	1.0
005	RF Center: MYRF2 r=2.46NM	MY461	-	-	-5.2	4.0	R	712	-	-3.00	0.29 0.30
006	TF	RW04	Y	043 (038.1)	-5.2	1.7	-	174	-	-3.00/50	0.29 0.30
007	TF	UTIMA	-	043 (038.2)	-5.2	5.4	-	-	-	-	1.0
008	TF	ARGUY	-	111 (106.1)	-5.2	14.1	-	2000	-	-	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	ARGUY	274 (269.3)	-5.2	1.0 (-14000)	L	2000	FL140	-230 (-14000)	1.0

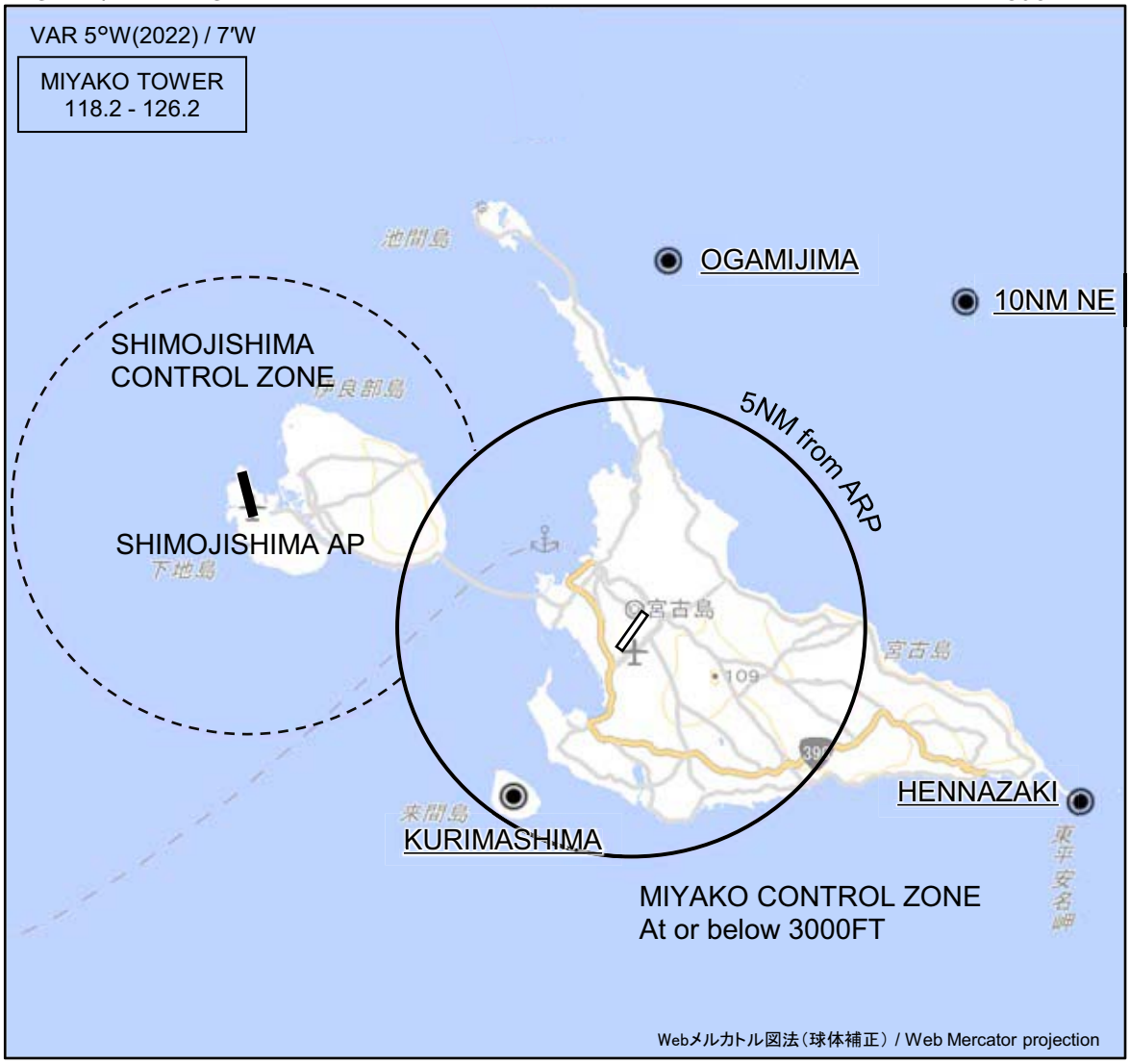
Waypoint Coordinates

Waypoint Identifier	Coordinates	RF Arc Center Identifier	Coordinates
ARGUY	*244652.87N / 1253554.53E*	MYRF2	*244340.95N / 1251818.44E*
SHIBY	*244401.74N / 1252716.29E*		
MY462	*244121.83N / 1251913.79E*		
INGYA	*244138.41N / 1251647.53E*		
MY461	*244512.72N / 1251611.26E*		
RW04	*244632.65N / 1251720.41E*		
UTIMA	*245048.13N / 1252101.67E*		

CHANGE : VAR. RNAV HLDG established(ARGUY).

ROMY / MIYAKO

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).

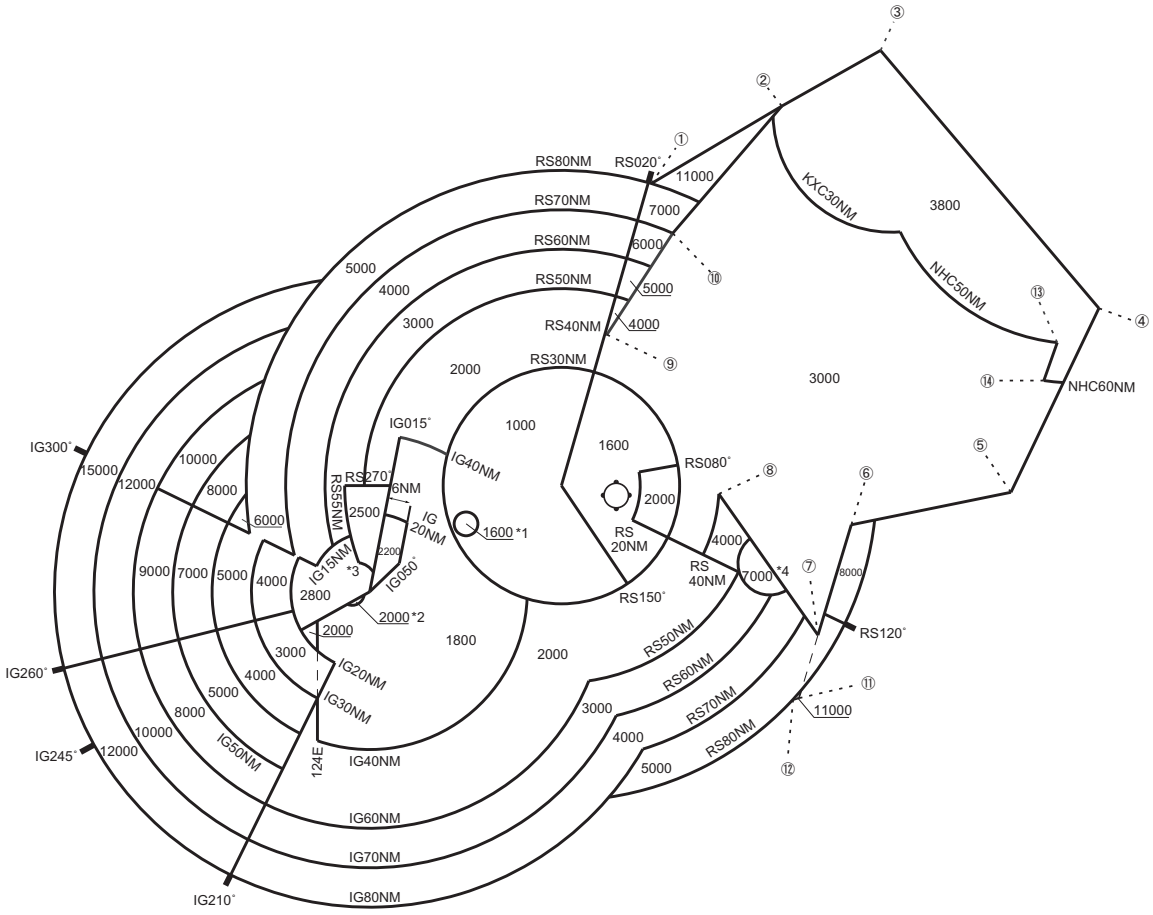
CHANGE : Map updated. BRG/DIST from ARP.

Call sign	BRG / DIST from ARP	Remarks
大神島 Ogamijima	005°T / 8.0NM	島 Island
10NM NE	045°T / 10.0NM	海上 Over the sea
来間島 Kurimashima	215°T / 4.5NM	島 Island
平安名崎 Hennazaki	112°T / 10.2NM	灯台 Lighthouse

ROMY / MIYAKO

Minimum Vectoring Altitude CHART

VAR 5°W (2022)



①260606N/1253511E
②262504N/1261226E
③263831N/1264046E
④253118N/1273951E
⑤244518N/1271337E
⑥243809N/1262857E
⑦241018N/1261859E
⑧244643N/1255220E
⑨252751N/1252151E
⑩255321N/1254054E
⑪235438N/1261324E
⑫235414N/1261156E
⑬252316N/1272802E
⑭251400N/1272404E

CENTER : *244938N/1250827E* (RORS RADAR SITE)
CENTER : *242310N/1241441E* (ROIG RADAR SITE)

*1 : *244015N/1244143E* RADIUS : 3NM
*2 : *242248N/1240952E* RADIUS : 3NM
*3 : *242538N/1241100E* RADIUS : 5NM
*4 : *242850N/1260600E* RADIUS : 8NM

CHANGE : VAR.