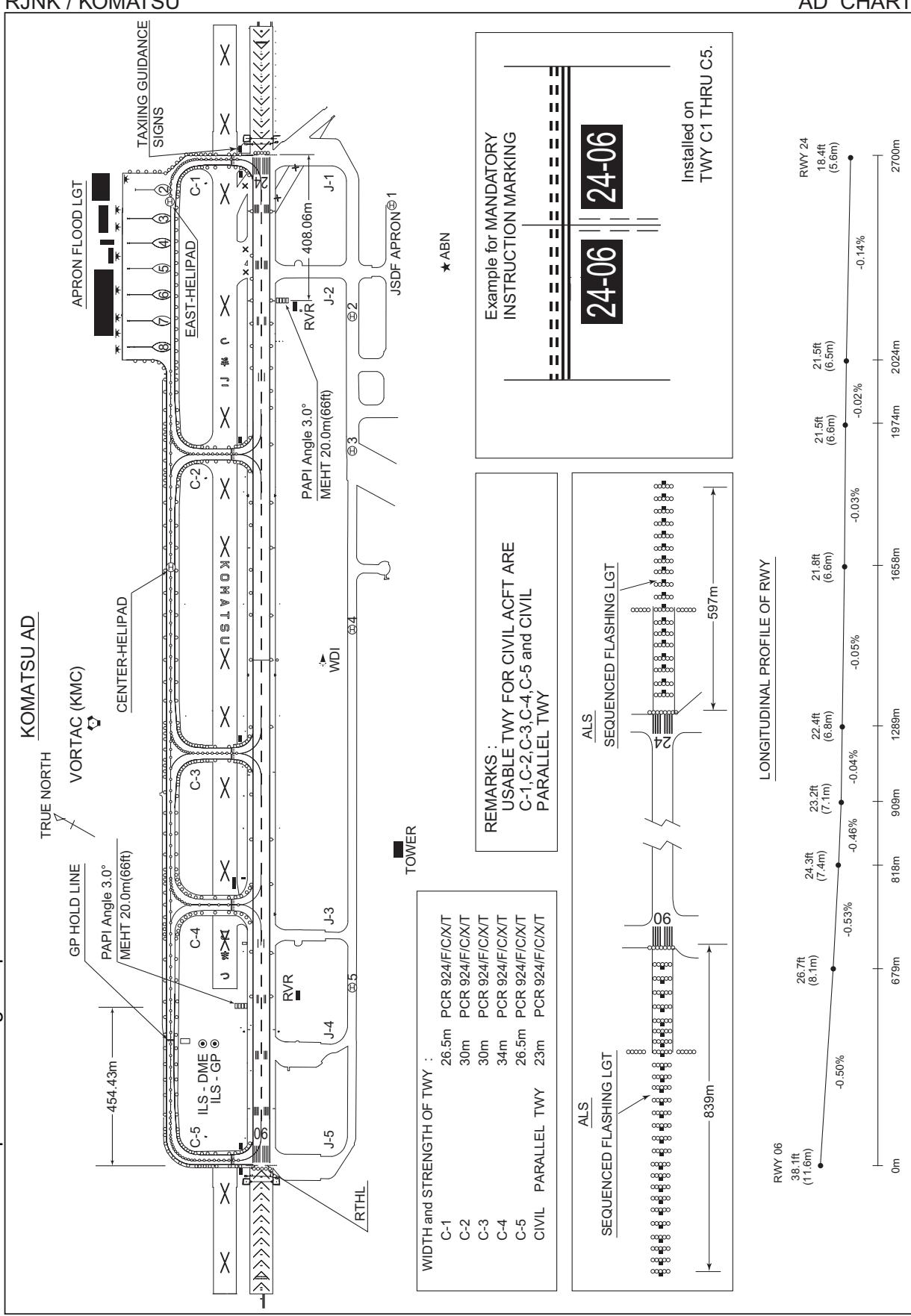


CHANGE : Description of strength of pavement.



STANDARD DEPARTURE CHART -INSTRUMENT

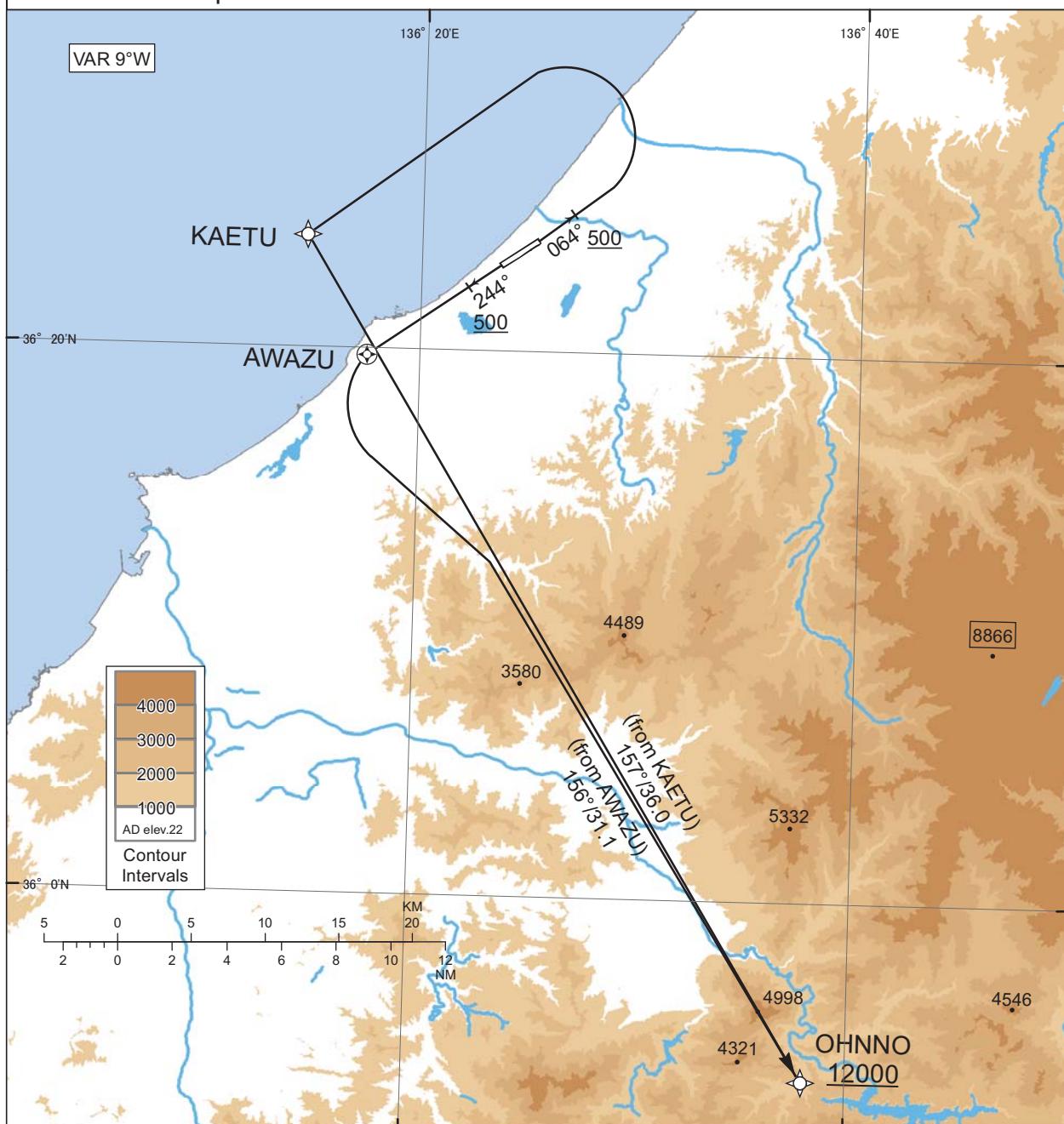
RJNK / KOMATSU

RNAV SID

OHNNO ONE DEPARTURE

RNP1

Note GNSS required.



CHANGE : New PROC.

RWY06 : Climb on HDG064° at or above 500FT, turn left direct to KAETU, to OHNNO at or above 12000FT.
 RWY24 : Climb on HDG244° at or above 500FT, direct to AWAZU, to OHNNO at or above 12000FT.

Note RWY06 : 4.0% climb gradient required up to 4500FT.
 OBST ALT 4397FT located at 15.0NM 177°FM end of RWY06.
 Note RWY24 : 4.8% climb gradient required up to 3900FT.
 OBST ALT 3183FT located at 12.0NM 196°FM end of RWY24.

STANDARD DEPARTURE CHART -INSTRUMENT

RJNK / KOMATSU

RNAV SID

OHNNO ONE DEPARTURE

RWY06

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	-	-	064 (055.0)	-8.6	-	-	+500	-	-	RNP1
002	DF	KAETU	-	-	-8.6	-	L	-	-	-	RNP1
003	TF	OHNNO	-	157 (148.4)	-8.6	36.0	-	+12000	-	-	RNP1

RWY24

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	-	-	244 (235.0)	-8.6	-	-	+500	-	-	RNP1
002	DF	AWAZU	Y	-	-8.6	-	-	-	-	-	RNP1
003	TF	OHNNO	-	156 (147.8)	-8.6	31.1	-	+12000	-	-	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates
KAETU	362407.8N / 1361447.7E
AWAZU	361946.6N / 1361737.0E
OHNNO	355328.3N / 1363803.4E

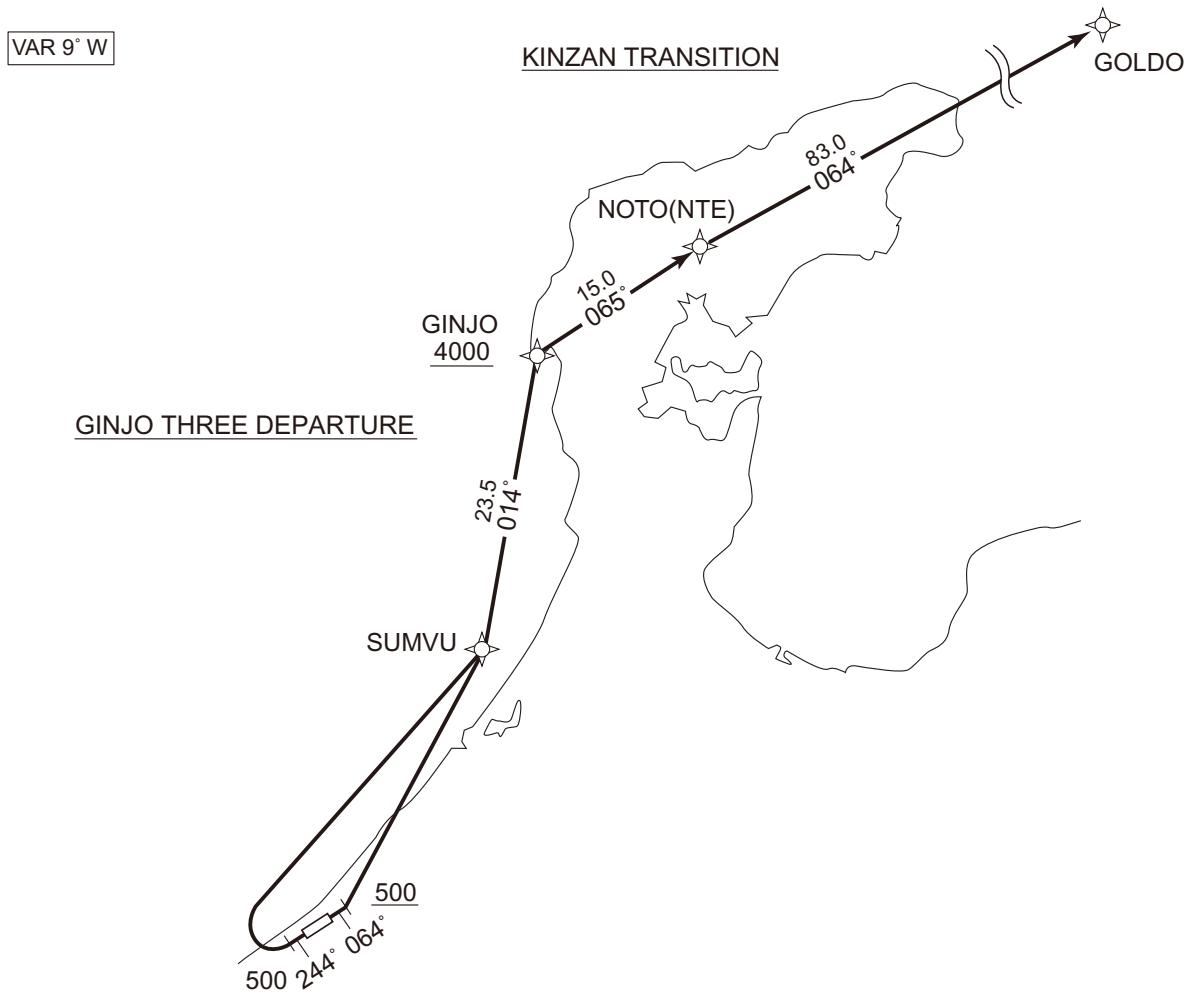
CHANGE : New PROC.

STANDARD DEPARTURE CHART -INSTRUMENT

RJNK / KOMATSU	RNAV SID and TRANSITION
GINJO THREE DEPARTURE KINZAN TRANSITION	RNP1

Note GNSS required.

CHANGE : SUMVU established. HAKU1 abolished. SID renamed. PROC course. ALT restriction at GINJO added.



GINJO THREE DEPARTURE

RWY06 : Climb on HDG 064° at or above 500FT, turn left direct to SUMVU, to GINJO at or above 4000FT, to NTE.

RWY24 : Climb on HDG 244° at or above 500FT, turn right direct to SUMVU, to GINJO at or above 4000FT, to NTE.

KINZAN TRANSITION

From NTE, to GOLDO.

STANDARD DEPARTURE CHART -INSTRUMENT

RJNK / KOMATSU

RNAV SID and TRANSITION

GINJO THREE DEPARTURE

RWY06

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	—	—	064 (055.0)	-8.6	—	—	+500	—	—	RNP1
002	DF	SUMVU	—	—	-8.6	—	L	—	—	—	RNP1
003	TF	GINJO	—	014 (005.3)	-8.6	23.5	—	+4000	—	—	RNP1
004	TF	NTE	—	065 (056.0)	-8.6	15.0	—	—	—	—	RNP1

RWY24

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	—	—	244 (235.0)	-8.6	—	—	+500	—	—	RNP1
002	DF	SUMVU	—	—	-8.6	—	R	—	—	—	RNP1
003	TF	GINJO	—	014 (005.3)	-8.6	23.5	—	+4000	—	—	RNP1
004	TF	NTE	—	065 (056.0)	-8.6	15.0	—	—	—	—	RNP1

KINZAN 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	NTE	—	—	-8.6	—	—	—	—	—	RNP1
002	TF	GOLDO	—	064 (055.4)	-8.6	83.0	—	—	—	—	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates
SUMVU	364539.8N / 1363927.2E
GINJO	370902.0N / 1364210.5E
NTE	371723.9N / 1365746.5E
GOLDO	380356.9N / 1382435.5E

 CHANGE : SUMVU established. HAKU abolished. SID renamed. Waypoint Coordinates added.
 PROC course. VAR. Dist FM SUMVU to GINJO. ALT restriction at GINJO.

STANDARD DEPARTURE CHART -INSTRUMENT

RJNK / KOMATSU

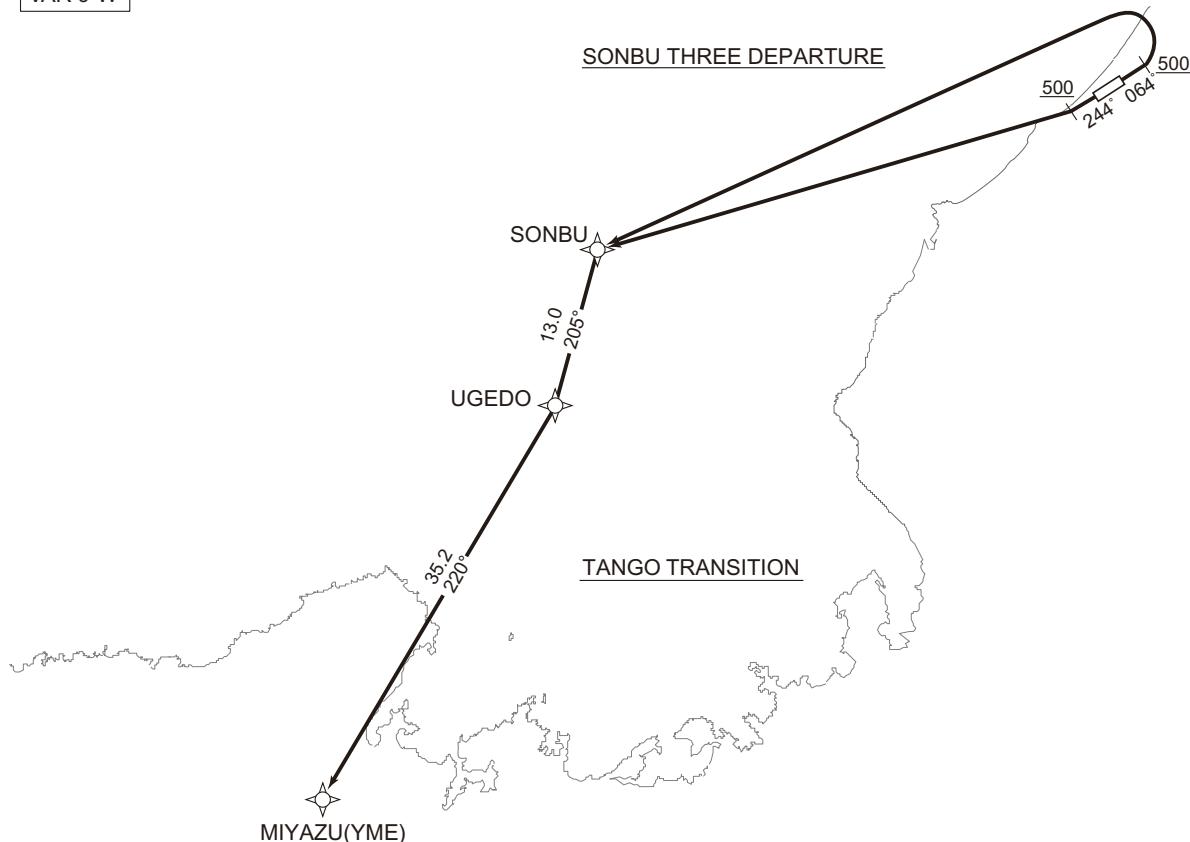
RNAV SID and TRANSITION

SONBU THREE DEPARTURE
TANGO TRANSITION

RNP1

Note GNSS required.

VAR 9°W



CHANGE : TANGO TRANSITION, UGEDO established. SID renamed. VAR. PROC course.

SONBU THREE DEPARTURE

RWY06 : Climb on HDG064° at or above 500FT, turn left direct to SONBU.

RWY24 : Climb on HDG244° at or above 500FT, turn right direct to SONBU.

TANGO TRANSITION

From SONBU, to UGEDO, to YME.

STANDARD DEPARTURE CHART -INSTRUMENT

RJNK / KOMATSU

RNAV SID and TRANSITION

CHANGE : TANGO TRANSITION, Waypoint Coordinates, UGEDO established. SID renamed. PROC course. VAR. Navigation Specification.

SONBU THREE DEPARTURE

RWY06

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	—	—	064 (055.0)	-8.6	—	—	+500	—	—	RNP1
002	DF	SONBU	—	—	-8.6	—	L	—	—	—	RNP1

RWY24

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	—	—	244 (235.0)	-8.6	—	—	+500	—	—	RNP1
002	DF	SONBU	—	—	-8.6	—	R	—	—	—	RNP1

TANGO 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	SONBU	—	—	-8.6	—	—	—	—	—	RNP1
002	TF	UGEDO	—	205 (196.3)	-8.6	13.0	—	—	—	—	RNP1
003	TF	YME	—	220 (211.1)	-8.6	35.2	—	—	—	—	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates
SONBU	361132.3N / 1353502.9E
UGEDO	355902.0N / 1353032.1E
YME	352850.5N / 1350813.3E

STANDARD DEPARTURE CHART -INSTRUMENT

RJNK / KOMATSU

SID

NOTO THREE DEPARTURE

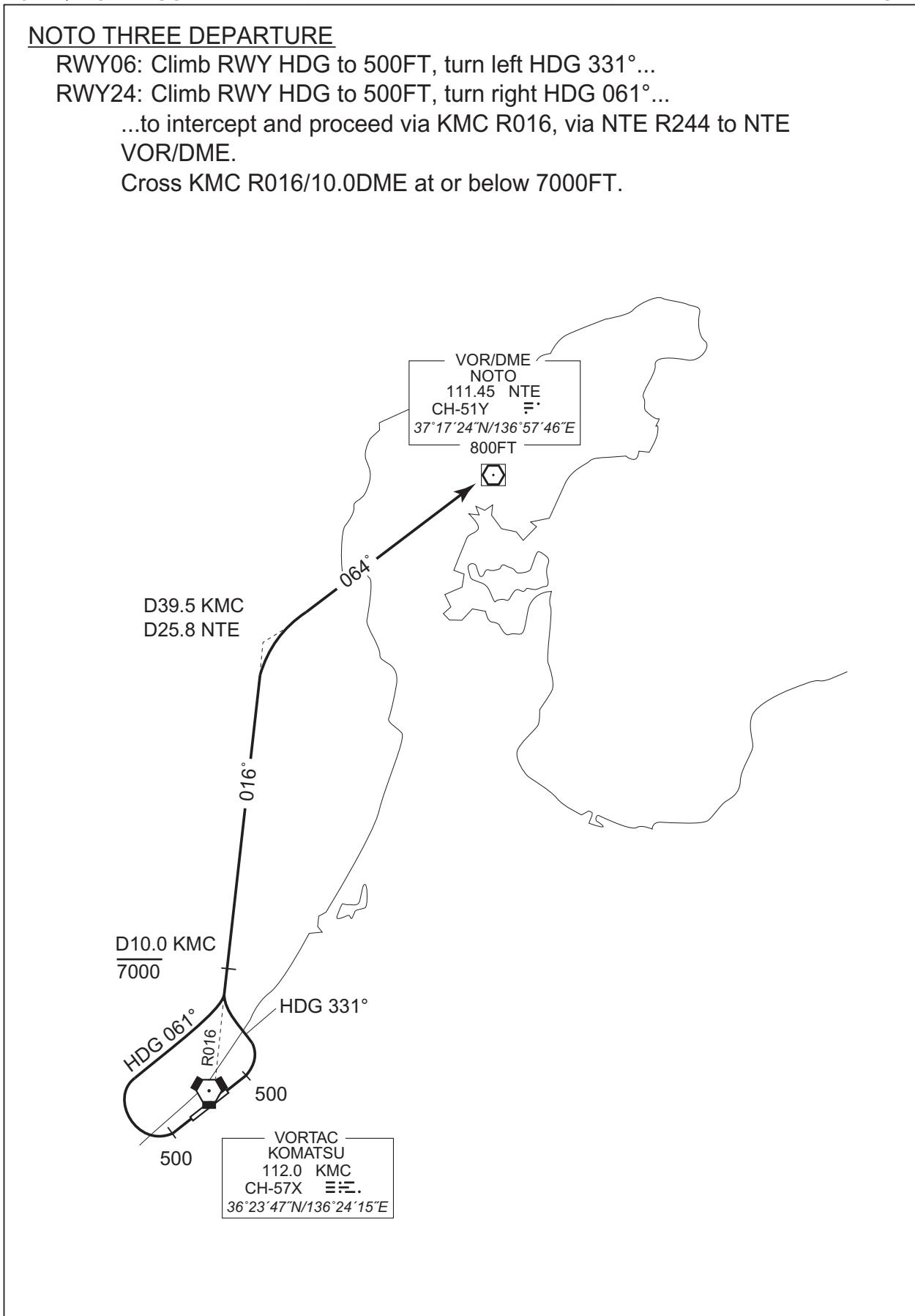
RWY06: Climb RWY HDG to 500FT, turn left HDG 331°...

RWY24: Climb RWY HDG to 500FT, turn right HDG 061°...

...to intercept and proceed via KMC R016, via NTE R244 to NTE VOR/DME.

Cross KMC R016/10.0DME at or below 7000FT.

CHANGE : SID renamed. PROC course.



STANDARD DEPARTURE CHART -INSTRUMENT

RJNK / KOMATSU

SID

KOMATSU REVERSAL FOUR DEPARTURE

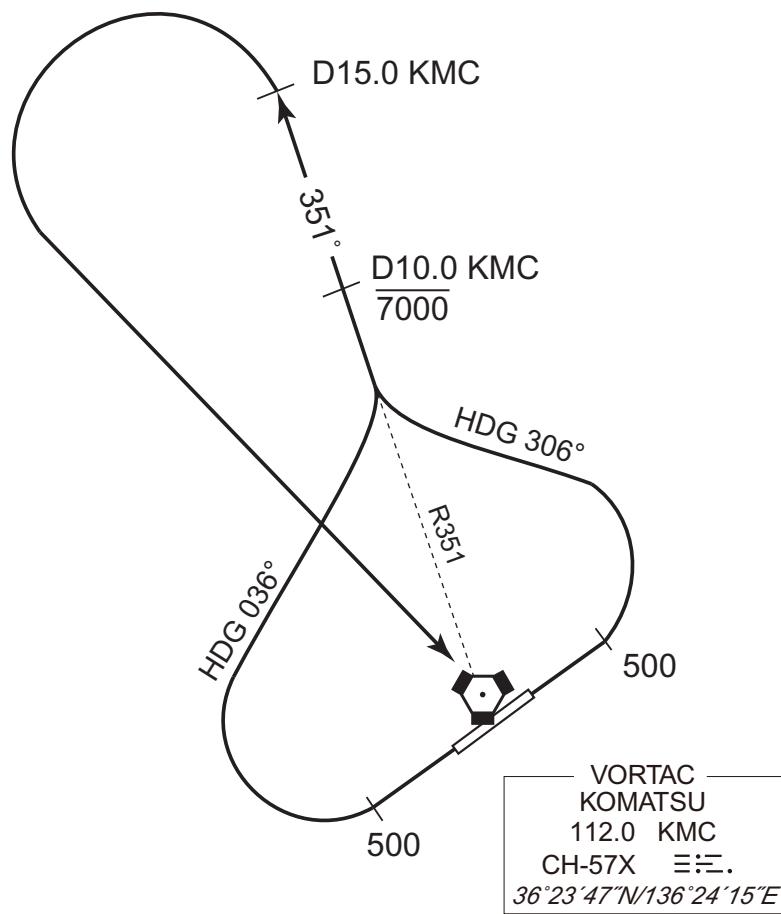
RWY 06 : Climb RWY HDG to 500FT, turn left HDG 306°...

RWY 24 : Climb RWY HDG to 500FT, turn right HDG 036°...

...to intercept and proceed via KMC R351 to 15.0DME, turn left, direct to KMC VORTAC.

Cross KMC R351/10.0DME at or below 7000FT.

CHANGE : SID renamed. PROC course. MIYAZU FOUR DEPARTURE abolished.



STANDARD DEPARTURE CHART -INSTRUMENT

RJNK / KOMATSU

SID and TRANSITION

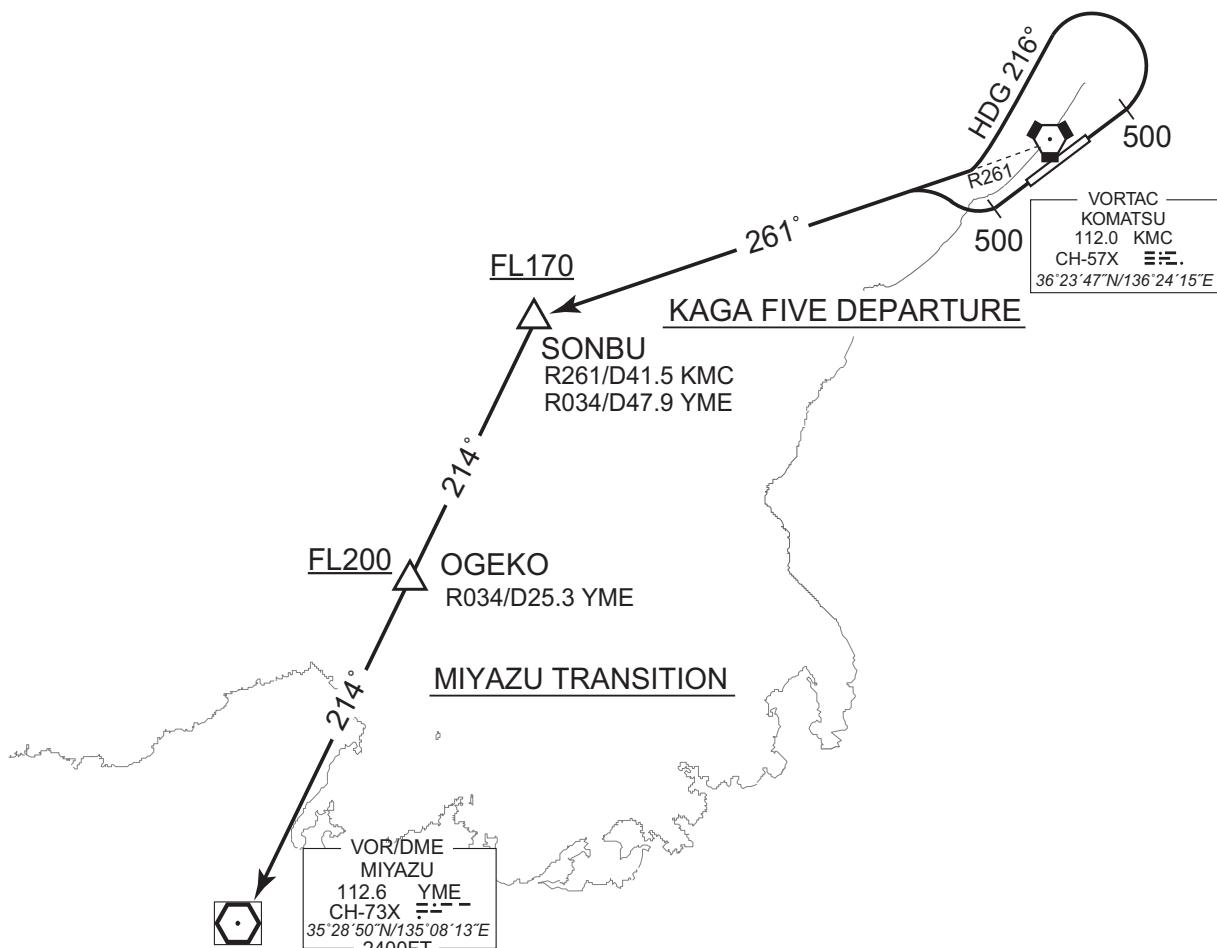
KAGA FIVE DEPARTURE

RWY 06 : Climb RWY HDG to 500FT, turn left HDG 216°...
RWY 24 : Climb RWY HDG to 500FT, turn right,...
...to intercept and proceed via KMC R261 to SONBU.
Cross SONBU at or above FL170.

MIYAZU TRANSITION

From over SONBU, via YME R034 to YME VOR/DME via OGEKO.
Cross OGEKO at or above FL200.

CHANGE : Correction of description.



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STANDARD ARRIVAL CHART-INSTRUMENT

RJNK / KOMATSU

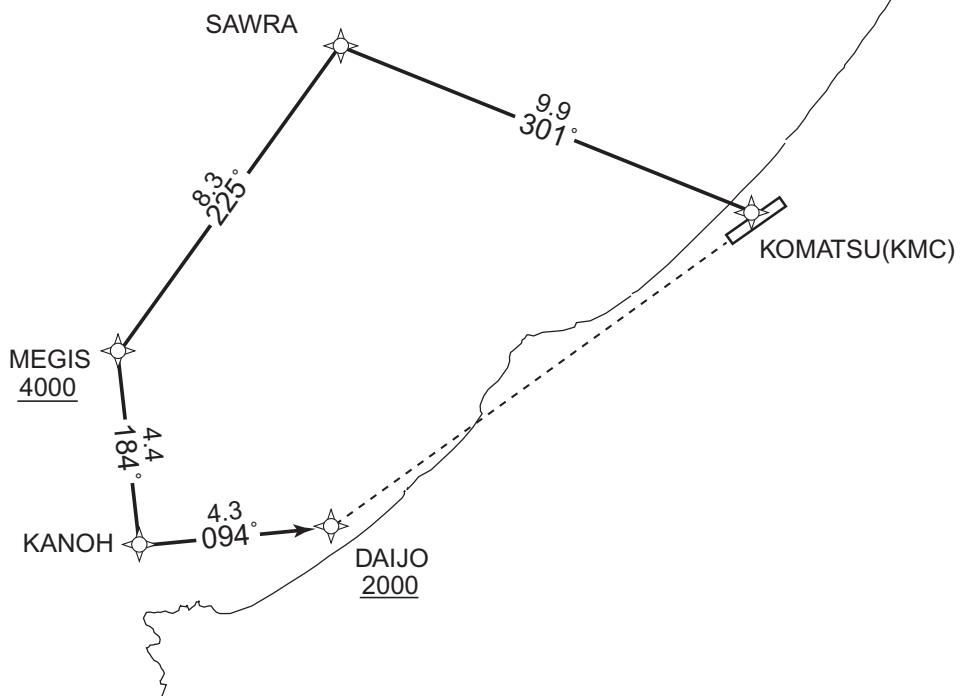
RNAV STAR RWY06

KOMATSU WEST ARRIVAL

RNP1

Note GNSS required.

VAR 9°W



From KMC, to SAWRA, to MEGIS at or above 4000FT, to KANOH, to DAIJO at or above 2000FT.

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	KMC	—	—	-8.6	—	—	—	—	—	RNP1
002	TF	SAWRA	—	301 (292.6)	-8.6	9.9	—	—	—	—	RNP1
003	TF	MEGIS	—	225 (216.5)	-8.6	8.3	—	+4000	—	—	RNP1
004	TF	KANOH	—	184 (175.0)	-8.6	4.4	—	—	—	—	RNP1
005	TF	DAIJO	—	094 (084.9)	-8.6	4.3	—	+2000	—	—	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates
KMC	362347.3N / 1362415.3E
SAWRA	362735.2N / 1361253.1E
MEGIS	362054.4N / 1360645.1E
KANOH	361631.0N / 1360713.9E
DAIJO	361653.7N / 1361231.8E

CHANGE : PROC course. VAR. Navigation Specification. Waypoint Coordinates added.

STANDARD ARRIVAL CHART-INSTRUMENT

RJNK / KOMATSU

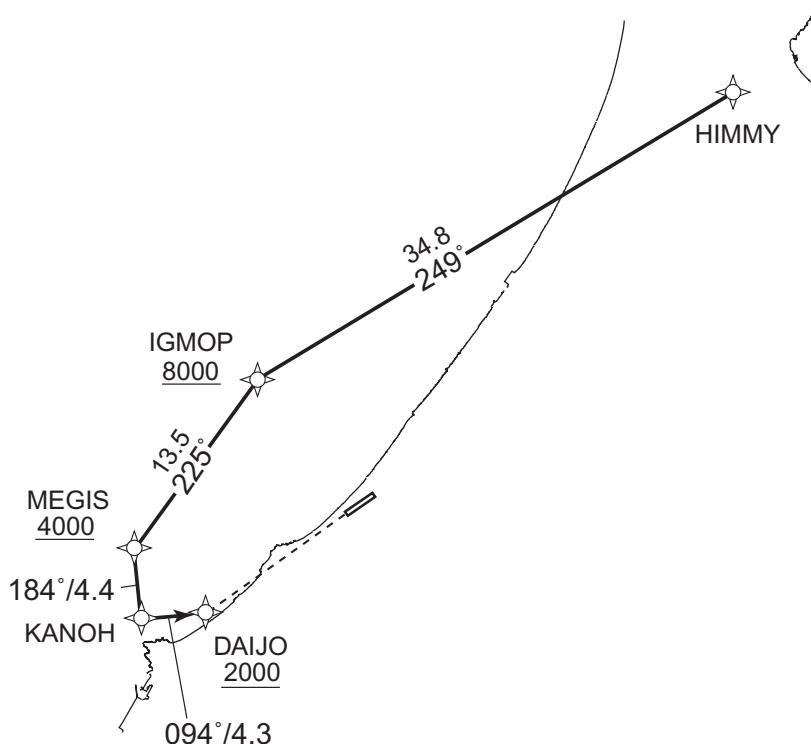
RNAV STAR RWY06

HIMMY WEST ARRIVAL

RNP1

Note GNSS required.

VAR 9°W



From HIMMY, to IGMOP at or above 8000FT, to MEGIS at or above 4000FT,
to KANOH, to DAIJO at or above 2000FT.

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	HIMMY	—	—	-8.6	—	—	—	—	—	RNP1
002	TF	IGMOP	—	249 (239.9)	-8.6	34.8	—	+8000	—	—	RNP1
003	TF	MEGIS	—	225 (216.5)	-8.6	13.5	—	+4000	—	—	RNP1
004	TF	KANOH	—	184 (175.0)	-8.6	4.4	—	—	—	—	RNP1
005	TF	DAIJO	—	094 (084.9)	-8.6	4.3	—	+2000	—	—	RNP1

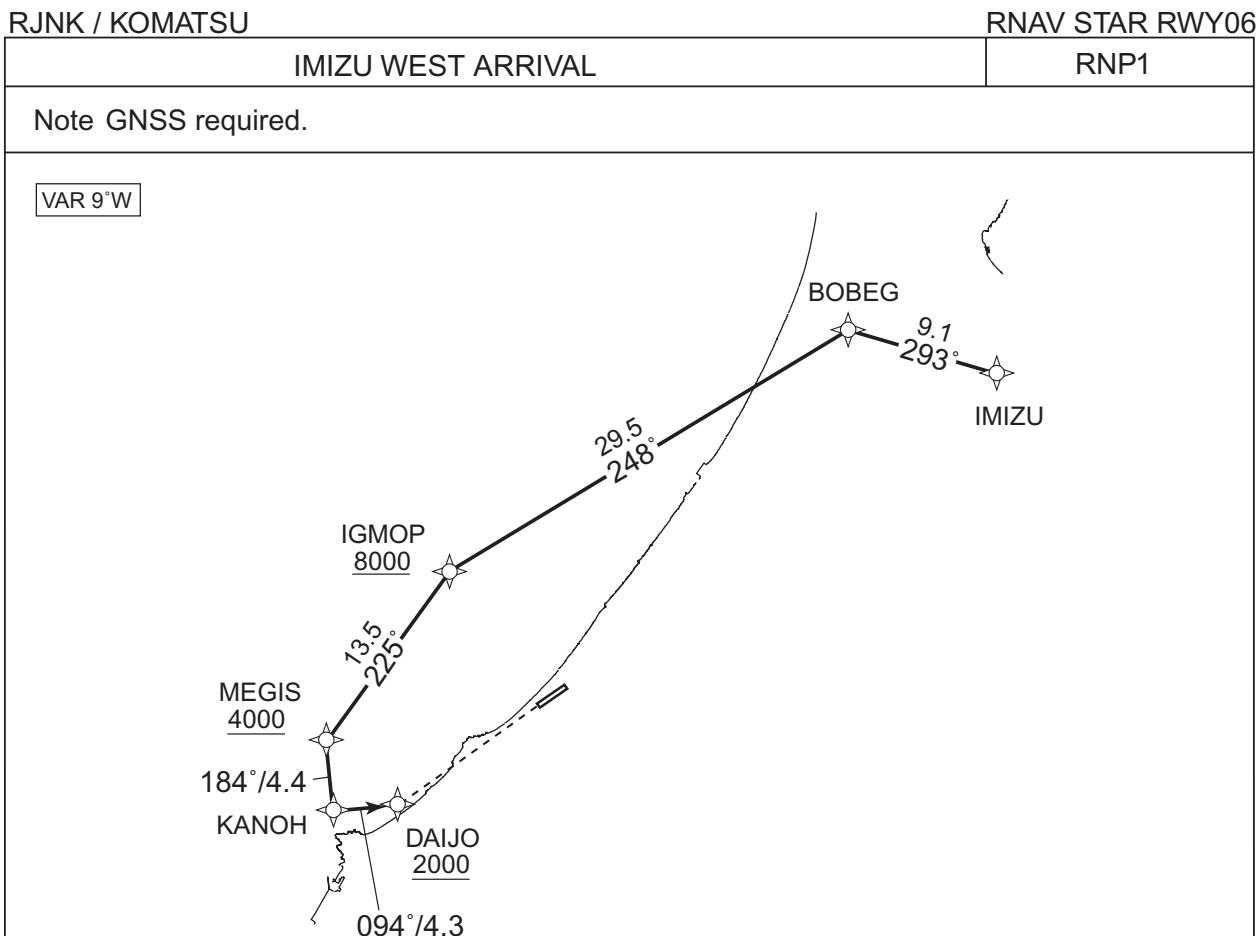
Waypoint Coordinates

Waypoint Identifier	Coordinates
HIMMY	364916.0N / 1365406.9E
IGMOP	363143.7N / 1361642.1E
MEGIS	362054.4N / 1360645.1E
KANOH	361631.0N / 1360713.9E
DAIJO	361653.7N / 1361231.8E

CHANGE : IGMOP established. PROC course. VAR. Navigation Specification. Waypoint Coordinates added.

STANDARD ARRIVAL CHART-INSTRUMENT

CHANGE : BOBEG, IGMOP established. PROC course. VAR. DIST FM IMIZU to IGMOP. Navigation Specification. Waypoint Coordinates added.



From IMIZU, to BOBEG, to IGMOP at or above 8000FT, to MEGIS at or above 4000FT, to KANOH, to DAIJO at or above 2000FT.

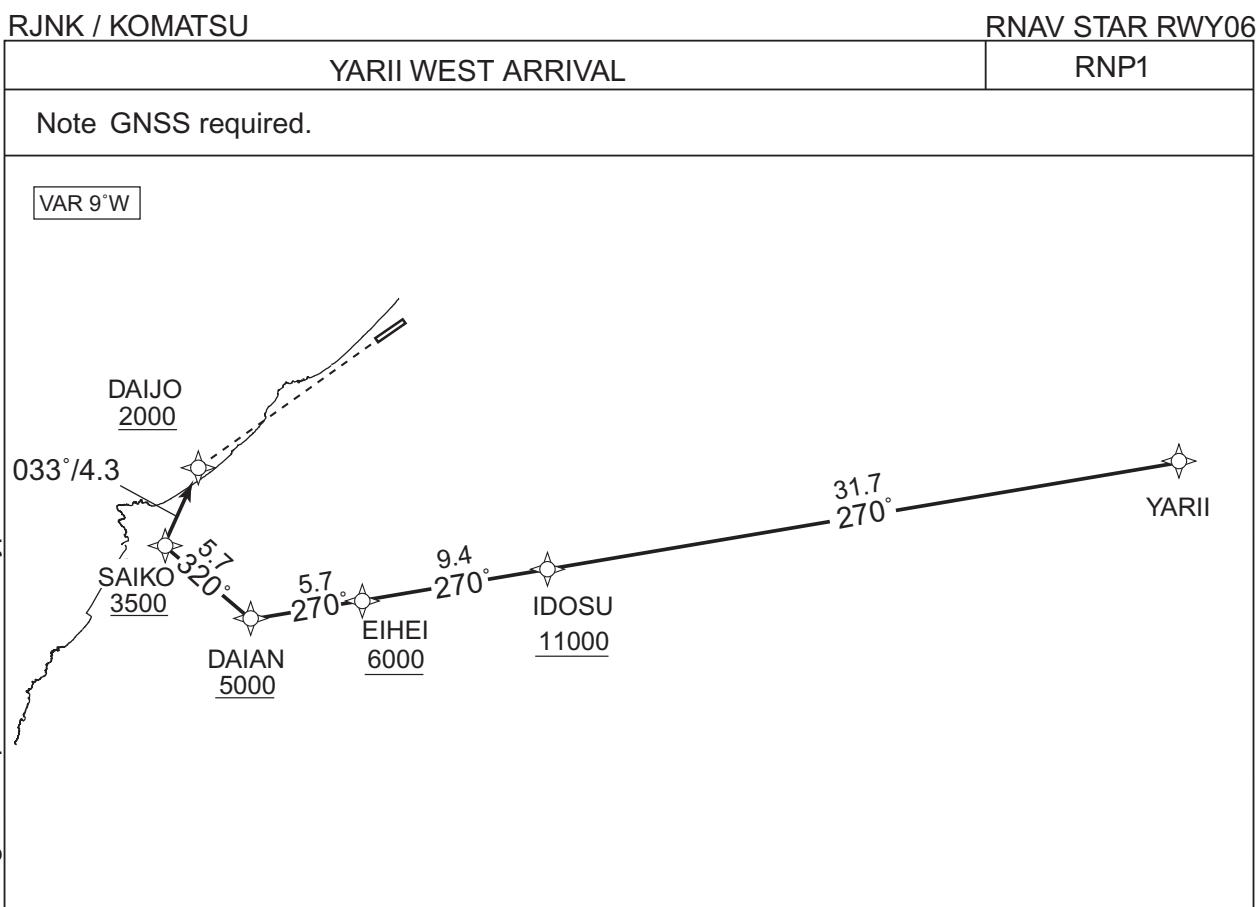
Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	IMIZU	—	—	-8.6	—	—	—	—	—	RNP1
002	TF	BOBEG	—	293 (284.4)	-8.6	9.1	—	—	—	—	RNP1
003	TF	IGMOP	—	248 (239.8)	-8.6	29.5	—	+8000	—	—	RNP1
004	TF	MEGIS	—	225 (216.5)	-8.6	13.5	—	+4000	—	—	RNP1
005	TF	KANOH	—	184 (175.0)	-8.6	4.4	—	—	—	—	RNP1
006	TF	DAIJO	—	094 (084.9)	-8.6	4.3	—	+2000	—	—	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
IMIZU	364422.4N / 1365925.6E	MEGIS	362054.4N / 1360645.1E
BOBEG	364637.5N / 1364826.0E	KANOH	361631.0N / 1360713.9E
IGMOP	363143.7N / 1361642.1E	DAIJO	361653.7N / 1361231.8E

STANDARD ARRIVAL CHART-INSTRUMENT

CHANGE : IDOSU established. HESEN abolished. HESEN established. VAR. Navigation Specification. VAR. Waypoint Coordinates added.



From YARII, to IDOSU at or above 11000FT, to EIHEI at or above 6000FT, to DAIAN at or above 5000FT, to SAIKO at or above 3500FT, to DAIJO at or above 2000FT.

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	YARII	—	—	-8.6	—	—	—	—	—	RNP1
002	TF	IDOSU	—	270 (261.6)	-8.6	31.7	—	+11000	—	—	RNP1
003	TF	EIHEI	—	270 (261.3)	-8.6	9.4	—	+6000	—	—	RNP1
004	TF	DAIAN	—	270 (261.1)	-8.6	5.7	—	+5000	—	—	RNP1
005	TF	SAIKO	—	320 (311.3)	-8.6	5.7	—	+3500	—	—	RNP1
006	TF	DAIJO	—	033 (024.9)	-8.6	4.3	—	+2000	—	—	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
YARII	361613.6N / 1371252.5E	DAIAN	360912.7N / 1361231.8E
IDOSU	361131.0N / 1363400.2E	SAIKO	361259.4N / 1361017.1E
EIHEI	361005.1N / 1362232.5E	DAIJO	361653.7N / 1361231.8E

STANDARD ARRIVAL CHART-INSTRUMENT

RJNK / KOMATSU

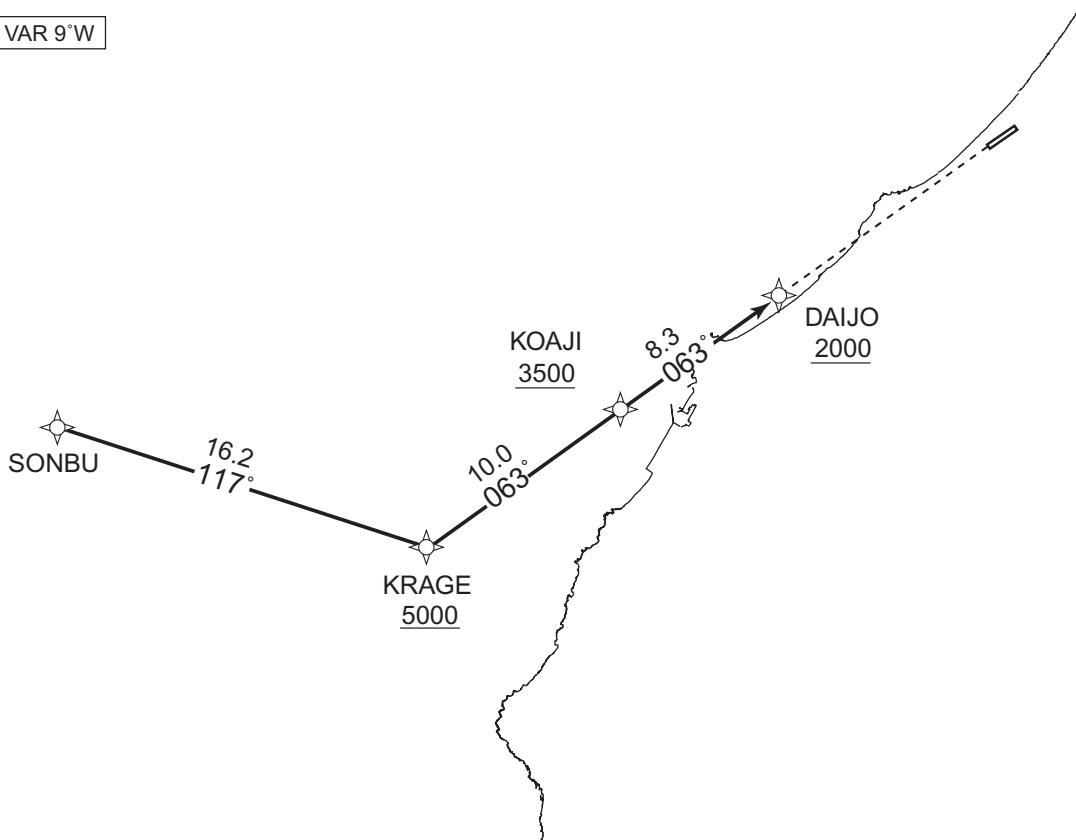
RNAV STAR RWY06

SONBU WEST ARRIVAL

RNP1

Note GNSS required.

VAR 9°W



From SONBU, to KRAGE at or above 5000FT, to KOAJI at or above 3500FT,
to DAIJO at or above 2000FT.

CHANGE : PROC course. VAR. Navigation Specification. Waypoint Coordinates added.

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	SONBU	—	—	-8.6	—	—	—	—	—	RNP1
002	TF	KRAGE	—	117 (108.5)	-8.6	16.2	—	+5000	—	—	RNP1
003	TF	KOAJI	—	063 (054.7)	-8.6	10.0	—	+3500	—	—	RNP1
004	TF	DAIJO	—	063 (054.8)	-8.6	8.3	—	+2000	—	—	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates
SONBU	361132.3N / 1353502.9E
KRAGE	360622.8N / 1355404.3E
KOAJI	361208.8N / 1360410.4E
DAIJO	361653.7N / 1361231.8E

STANDARD ARRIVAL CHART-INSTRUMENT

CHANGE : IKIKI, NOKAB established. ZEBRA, HIRMO abolished.

RJNK / KOMATSU		RNAV STAR RWY24																																																																							
KOMATSU EAST ARRIVAL		RNP1																																																																							
Note GNSS required.																																																																									
<p>The diagram shows an arrival route starting from KOMATSU(KMC) at the bottom. A dashed line extends upwards from KMC. A solid line branches off to the left towards YAMJI, labeled with a 9.6° climb. From YAMJI, a solid line continues straight with a 4.5° climb and a 081° course. This leads to IKIKI at 4000ft, which has a 5.0° climb and a 084° course. Finally, the route leads to NOKAB at 2600ft. A note in the top-left corner says 'VAR 9°W'.</p>																																																																									
<p>From KMC, to YAMJI, to IKIKI at or above 4000FT, to NOKAB at or above 2600FT.</p> <table border="1"> <thead> <tr> <th>Serial Number</th> <th>Path Descriptor</th> <th>Waypoint Identifier</th> <th>Fly Over</th> <th>Course °M(°T)</th> <th>Magnetic Variation</th> <th>Distance (NM)</th> <th>Turn Direction</th> <th>Altitude (FT)</th> <th>Speed (KIAS)</th> <th>Vertical Angle</th> <th>Navigation Specification</th> </tr> </thead> <tbody> <tr> <td>001</td> <td>IF</td> <td>KMC</td> <td>—</td> <td>—</td> <td>-8.6</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>RNP1</td> </tr> <tr> <td>002</td> <td>TF</td> <td>YAMJI</td> <td>—</td> <td>001 (352.5)</td> <td>-8.6</td> <td>9.6</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>RNP1</td> </tr> <tr> <td>003</td> <td>TF</td> <td>IKIKI</td> <td>—</td> <td>081 (072.2)</td> <td>-8.6</td> <td>4.5</td> <td>—</td> <td>+4000</td> <td>—</td> <td>—</td> <td>RNP1</td> </tr> <tr> <td>004</td> <td>TF</td> <td>NOKAB</td> <td>—</td> <td>084 (075.6)</td> <td>-8.6</td> <td>5.0</td> <td>—</td> <td>+2600</td> <td>—</td> <td>—</td> <td>RNP1</td> </tr> </tbody> </table> <p><u>Waypoint Coordinates</u></p> <table border="1"> <thead> <tr> <th>Waypoint Identifier</th> <th>Coordinates</th> </tr> </thead> <tbody> <tr> <td>KMC</td> <td>362347.3N / 1362415.3E</td> </tr> <tr> <td>YAMJI</td> <td>363316.8N / 1362242.5E</td> </tr> <tr> <td>IKIKI</td> <td>363438.8N / 1362801.2E</td> </tr> <tr> <td>NOKAB</td> <td>363553.0N / 1363402.3E</td> </tr> </tbody> </table>				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	KMC	—	—	-8.6	—	—	—	—	—	RNP1	002	TF	YAMJI	—	001 (352.5)	-8.6	9.6	—	—	—	—	RNP1	003	TF	IKIKI	—	081 (072.2)	-8.6	4.5	—	+4000	—	—	RNP1	004	TF	NOKAB	—	084 (075.6)	-8.6	5.0	—	+2600	—	—	RNP1	Waypoint Identifier	Coordinates	KMC	362347.3N / 1362415.3E	YAMJI	363316.8N / 1362242.5E	IKIKI	363438.8N / 1362801.2E	NOKAB	363553.0N / 1363402.3E
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001	IF	KMC	—	—	-8.6	—	—	—	—	—	RNP1																																																														
002	TF	YAMJI	—	001 (352.5)	-8.6	9.6	—	—	—	—	RNP1																																																														
003	TF	IKIKI	—	081 (072.2)	-8.6	4.5	—	+4000	—	—	RNP1																																																														
004	TF	NOKAB	—	084 (075.6)	-8.6	5.0	—	+2600	—	—	RNP1																																																														
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STANDARD ARRIVAL CHART-INSTRUMENT

RJNK / KOMATSU

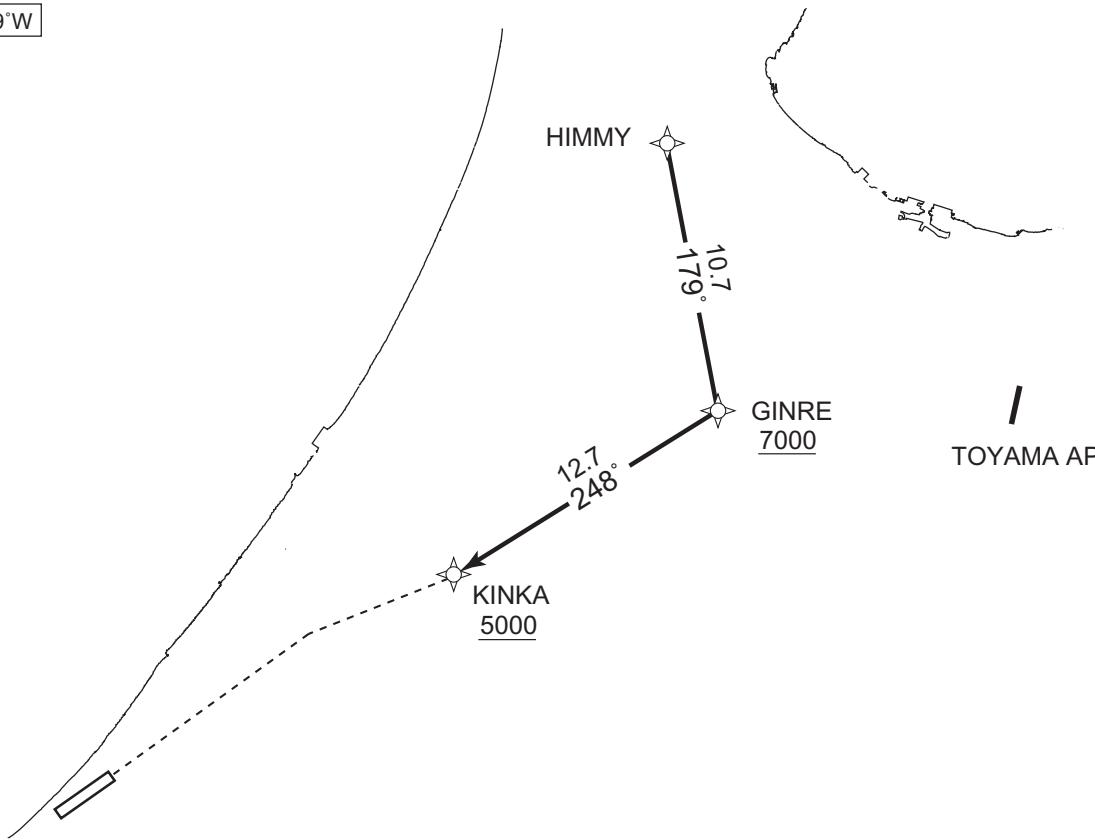
RNAV STAR RWY24

HIMMY EAST ARRIVAL

RNP1

Note GNSS required.

VAR 9°W



CHANGE : PROC course. VAR. Navigation Specification. Waypoint Coordinates added.

From HIMMY, to GINRE at or above 7000FT, to KINKA at or above 5000FT.

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	HIMMY	-	-	-8.6	-	-	-	-	-	RNP1
002	TF	GINRE	-	179 (170.4)	-8.6	10.7	-	+7000	-	-	RNP1
003	TF	KINKA	-	248 (239.1)	-8.6	12.7	-	+5000	-	-	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates
HIMMY	364916.0N / 1365406.9E
GINRE	363841.4N / 1365621.2E
KINKA	363210.7N / 1364250.6E

STANDARD ARRIVAL CHART-INSTRUMENT

RJNK / KOMATSU

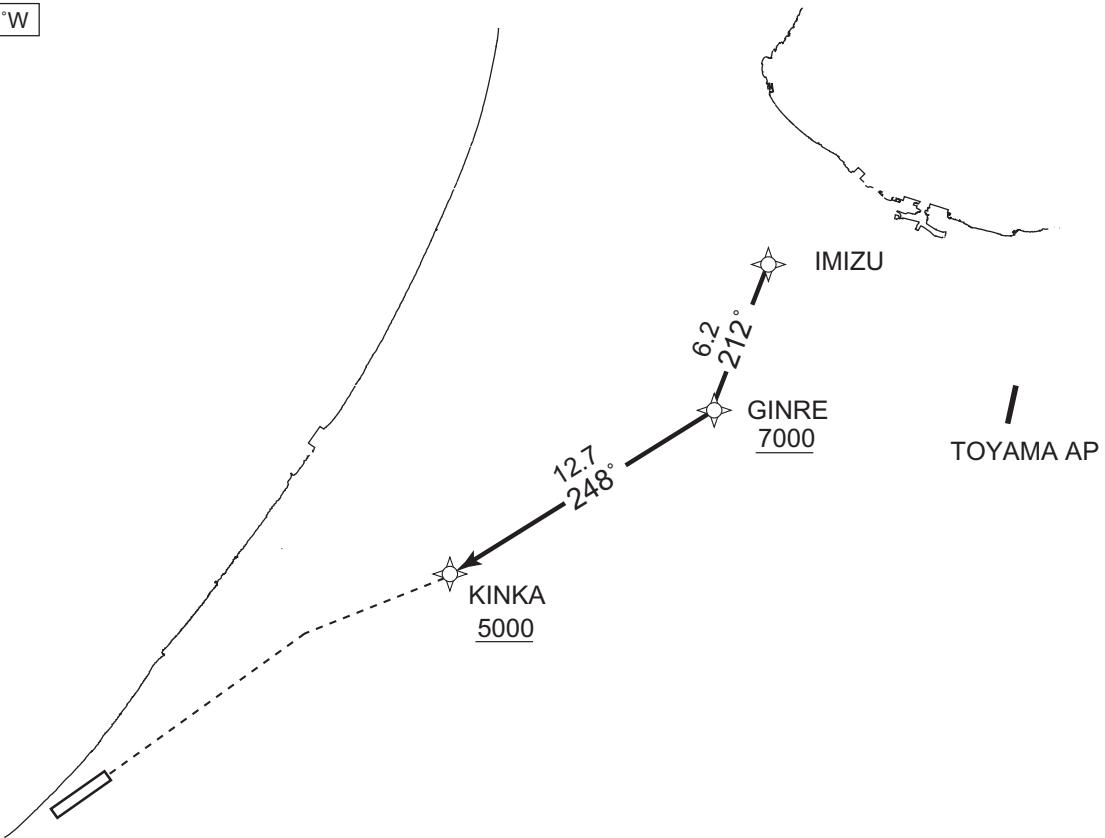
RNAV STAR RWY24

IMIZU EAST ARRIVAL

RNP1

Note GNSS required.

VAR 9°W



From IMIZU, to GINRE at or above 7000FT, to KINKA at or above 5000FT.

CHANGE : PROC course. VAR. Navigation Specification. Waypoint Coordinates added.

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	IMIZU	—	—	-8.6	—	—	—	—	—	RNP1
002	TF	GINRE	—	212 (203.4)	-8.6	6.2	—	+7000	—	—	RNP1
003	TF	KINKA	—	248 (239.1)	-8.6	12.7	—	+5000	—	—	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates
IMIZU	364422.4N / 1365925.6E
GINRE	363841.4N / 1365621.2E
KINKA	363210.7N / 1364250.6E

STANDARD ARRIVAL CHART-INSTRUMENT

RJNK / KOMATSU

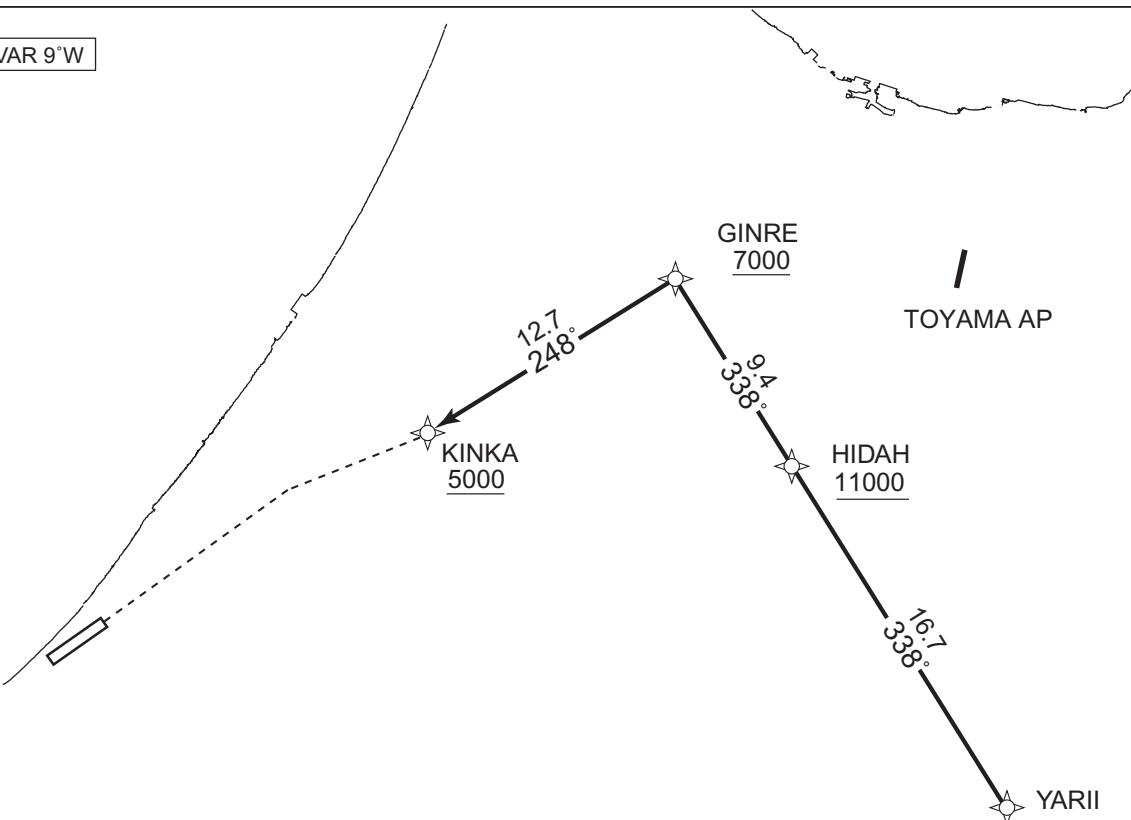
RNAV STAR RWY24

YARII EAST ARRIVAL

RNP1

Note GNSS required.

VAR 9°W



From YARII, to HIDAH at or above 11000FT, to GINRE at or above 7000FT, to KINKA at or above 5000FT.

CHANGE : PROC course. VAR. Navigation Specification. Waypoint Coordinates added.

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	YARII	—	—	-8.6	—	—	—	—	—	RNP1
002	TF	HIDAH	—	338 (329.5)	-8.6	16.7	—	+11000	—	—	RNP1
003	TF	GINRE	—	338 (329.4)	-8.6	9.4	—	+7000	—	—	RNP1
004	TF	KINKA	—	248 (239.1)	-8.6	12.7	—	+5000	—	—	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates
YARII	361613.6N / 1371252.5E
HIDAH	363035.8N / 1370219.6E
GINRE	363841.4N / 1365621.2E
KINKA	363210.7N / 1364250.6E

STANDARD ARRIVAL CHART-INSTRUMENT

CHANGE : IGMOP, IKIKI, NOKAB established. BURRI, ZEBRA, HIMRO abolished.

RJNK / KOMATSU

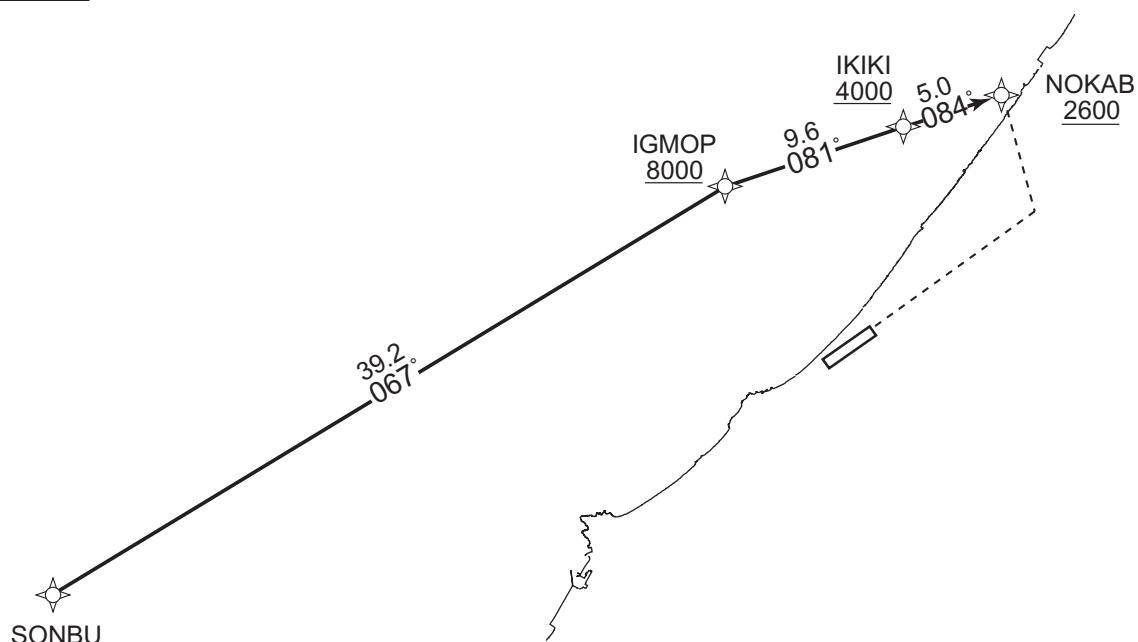
RNAV STAR RWY24

SONBU EAST ARRIVAL

RNP1

Note GNSS required.

VAR 9°W



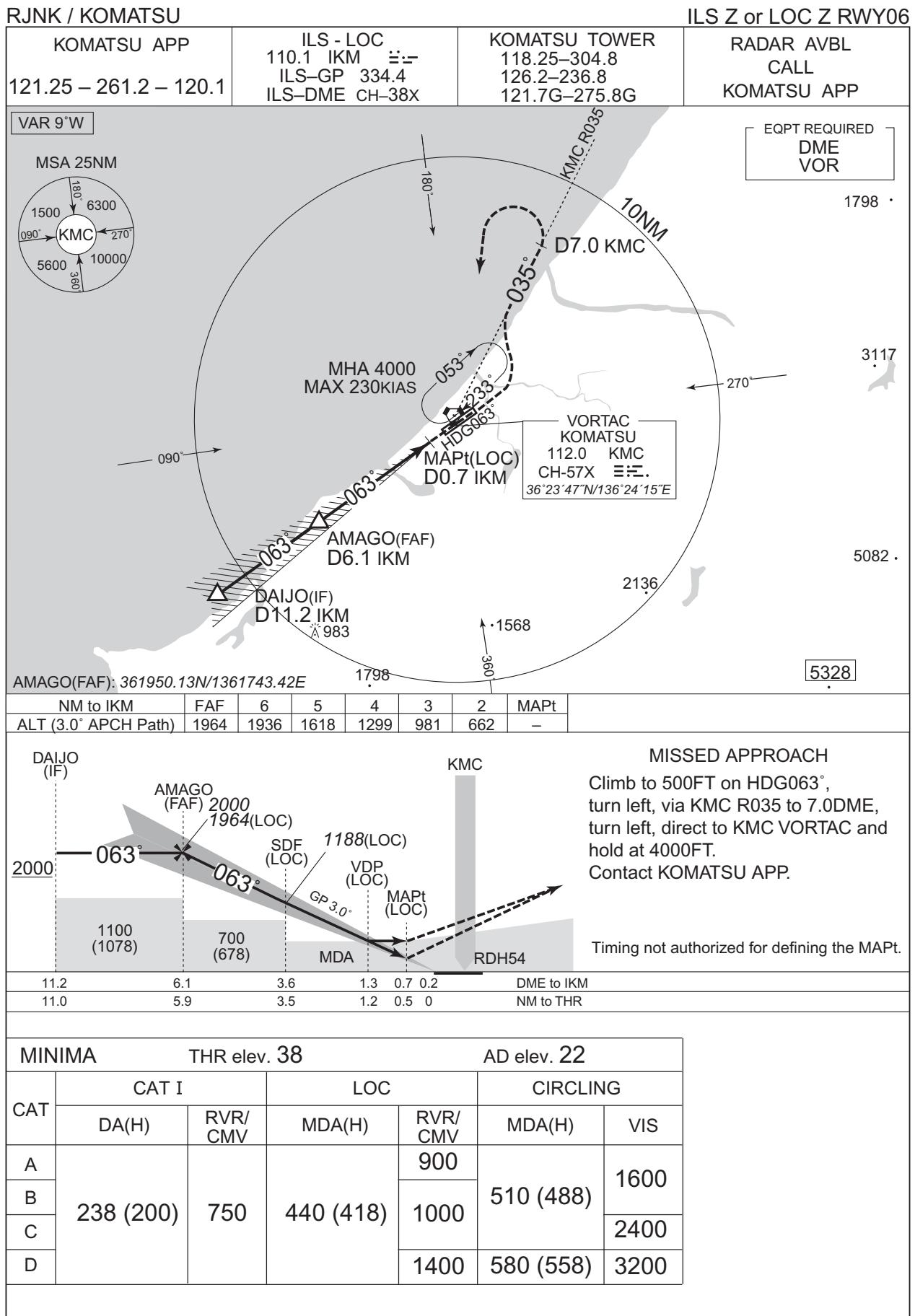
From SONBU, to IGMOP at or above 8000FT, to IKIKI at or above 4000FT,
to NOKAB at or above 2600FT.

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	SONBU	—	—	-8.6	—	—	—	—	—	RNP1
002	TF	IGMOP	—	067 (058.8)	-8.6	39.2	—	+8000	—	—	RNP1
003	TF	IKIKI	—	081 (072.1)	-8.6	9.6	—	+4000	—	—	RNP1
004	TF	NOKAB	—	084 (075.6)	-8.6	5.0	—	+2600	—	—	RNP1

Waypoint Coordinates

Waypoint Identifier	Coordinates
SONBU	361132.3N / 1353502.9E
IGMOP	363143.7N / 1361642.1E
IKIKI	363438.8N / 1362801.2E
NOKAB	363553.0N / 1363402.3E

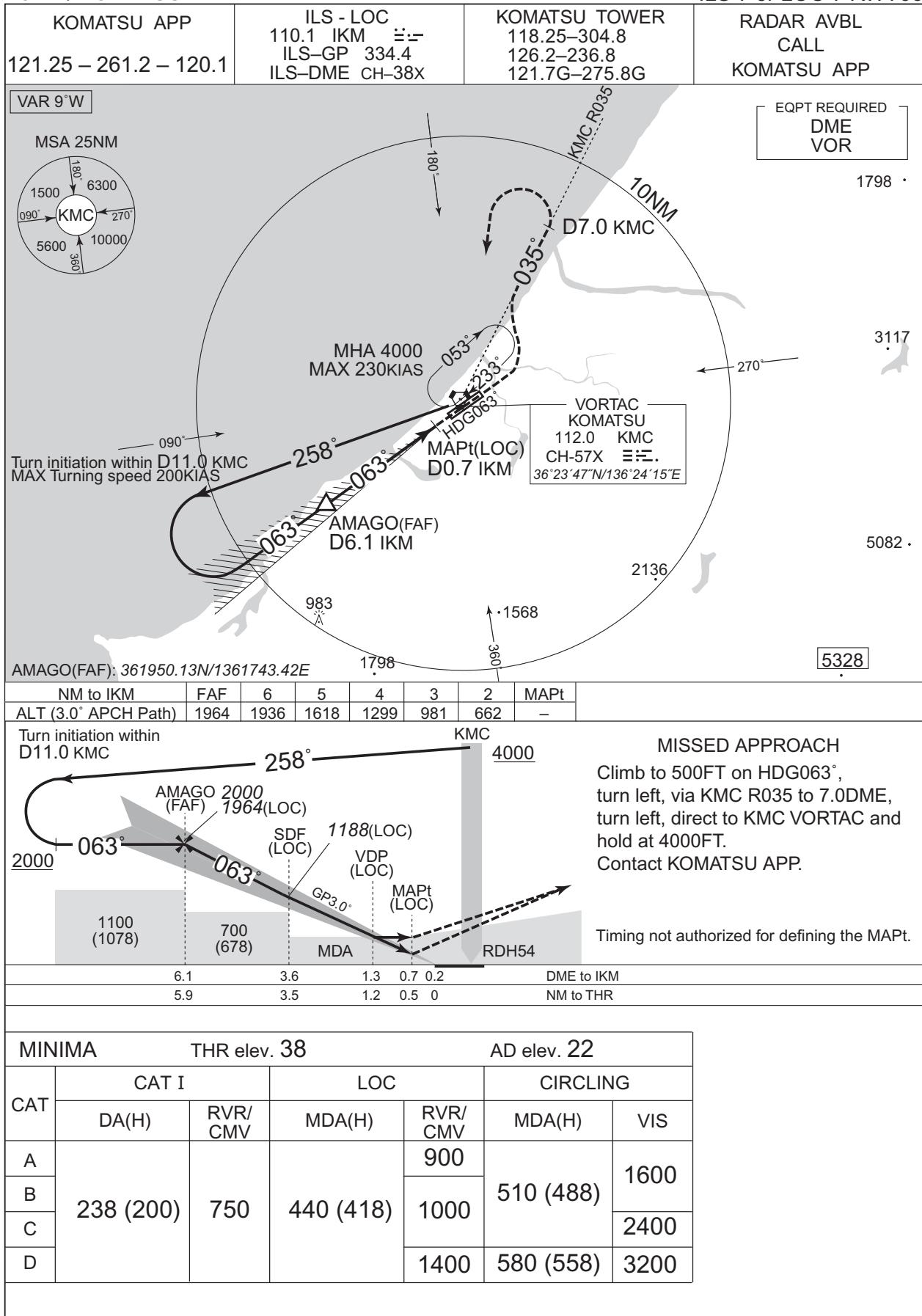
INSTRUMENT APPROACH CHART



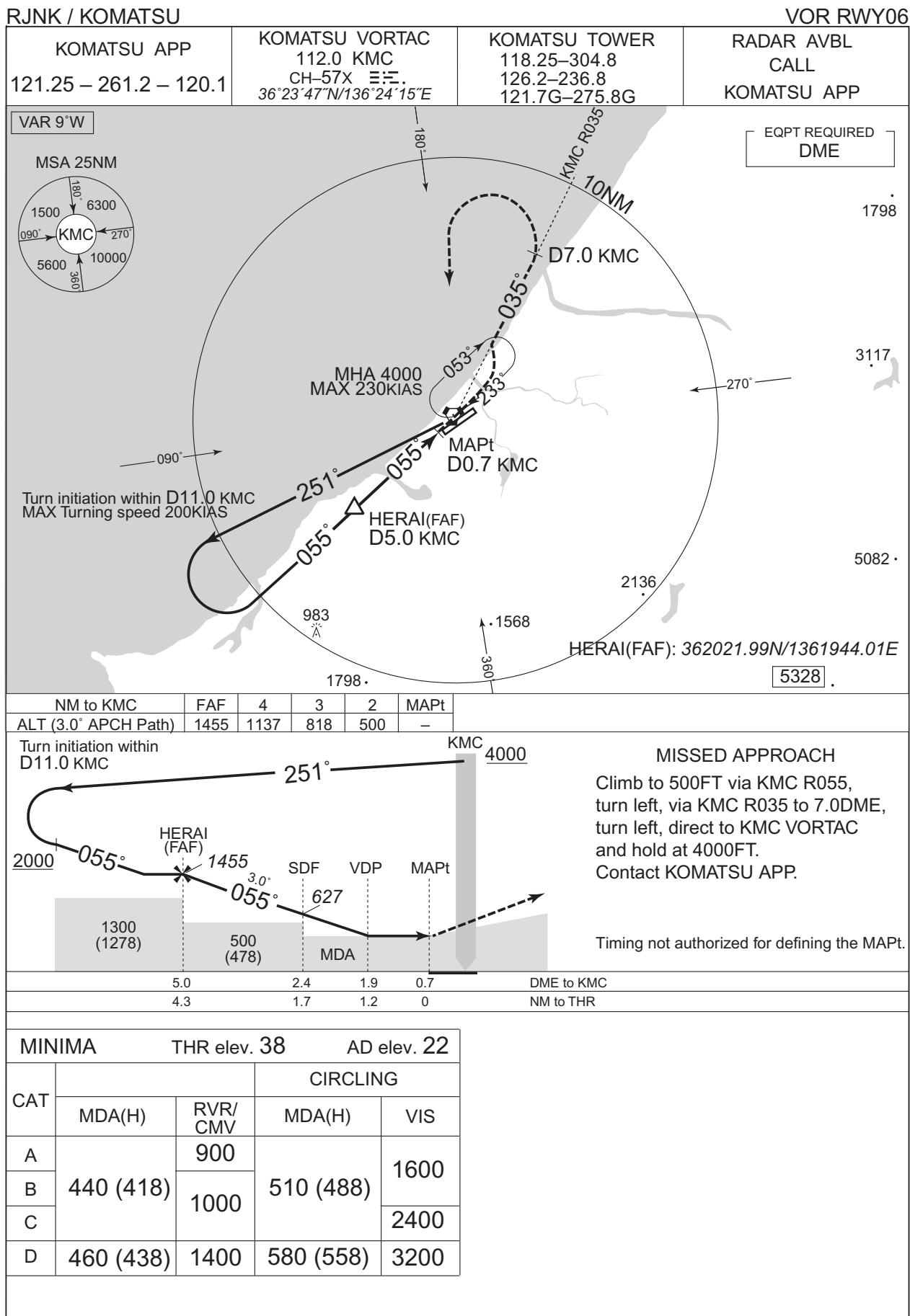
INSTRUMENT APPROACH CHART

RJNK / KOMATSU

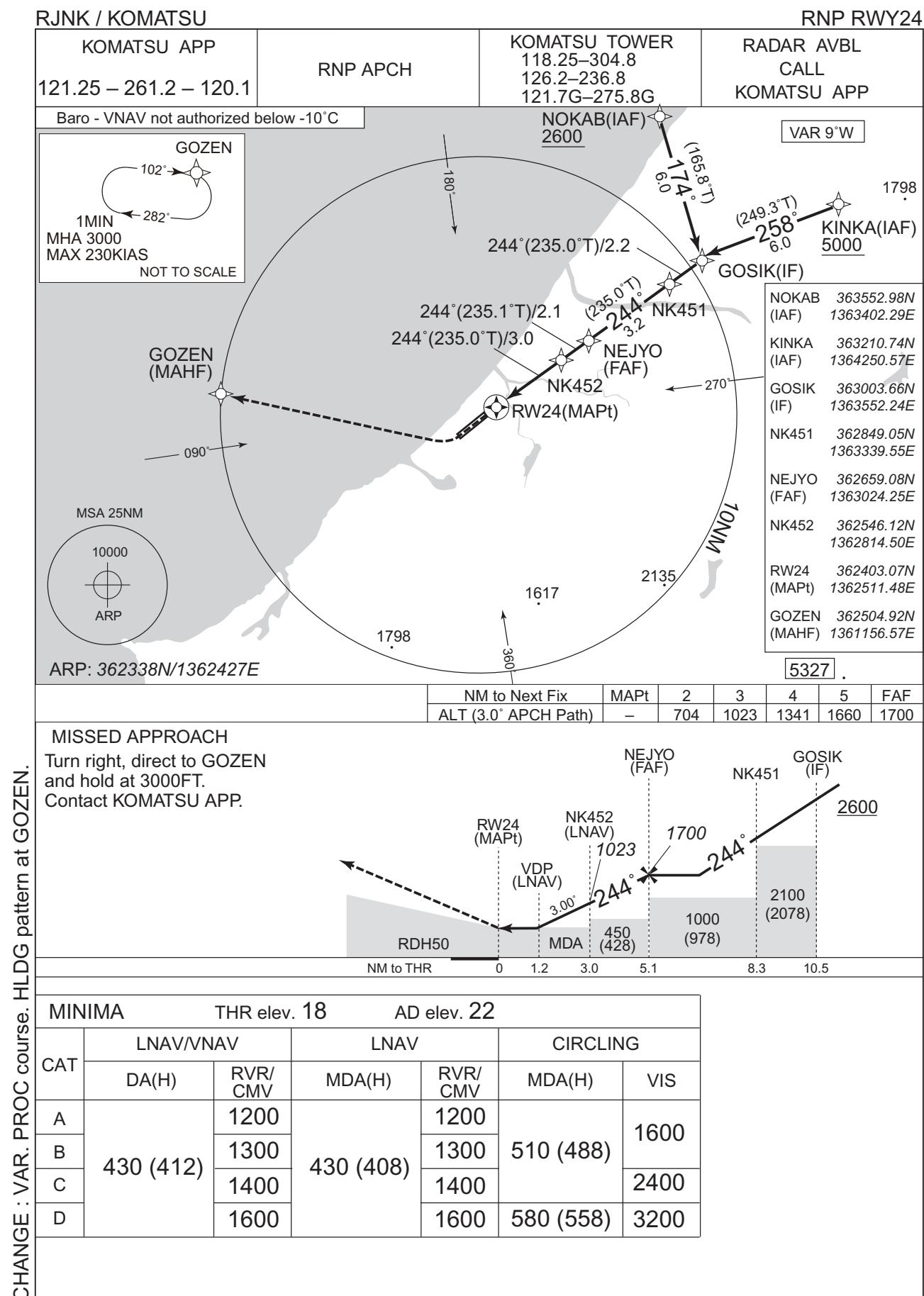
ILS Y or LOC Y RWY06



INSTRUMENT APPROACH CHART



INSTRUMENT APPROACH CHART

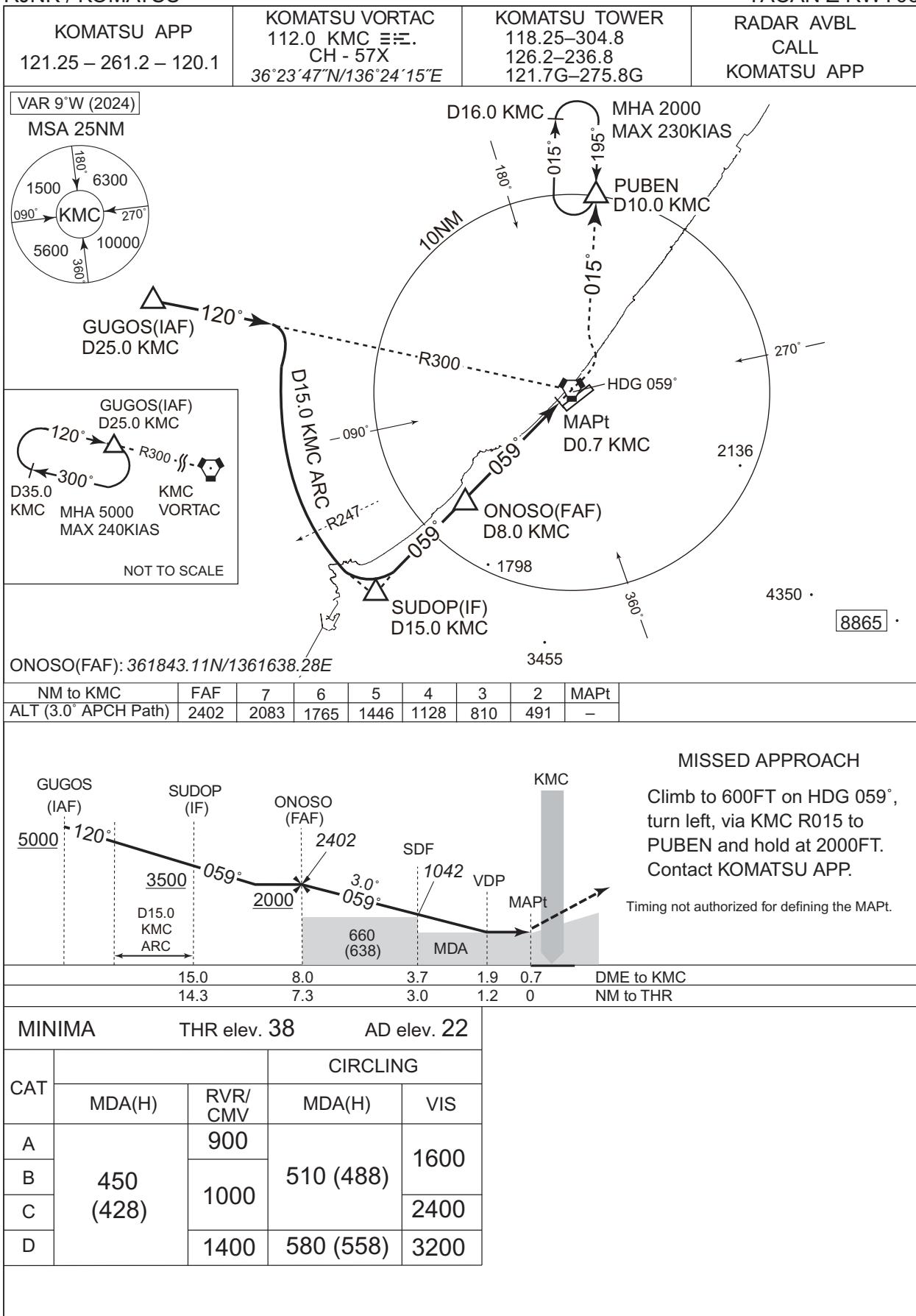


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INSTRUMENT APPROACH CHART

RJNK / KOMATSU

TACAN Z RWY06



INSTRUMENT APPROACH CHART

RJNK / KOMATSU

TACAN Y RWY06

KOMATSU APP
121.25 – 261.2 – 120.1

KOMATSU VORTAC
112.0 KMC
CH - 57X
36°23'47"N/136°24'15"E

KOMATSU TOWER
118.25–304.8
126.2–236.8
121.7G–275.8G

RADAR AVBL
CALL
KOMATSU APP

VAR 9°W (2024)

MSA 25NM

NOT TO SCALE

SUSLU(IAF)
D15.0 KMC
R220
MHA 5000 MAX 210KIAS
D20.0 KMC
040°
220°

KMC VORTAC

PUBEN
D10.0 KMC

D16.0 KMC

MHA 2000
MAX 230KIAS

HDG 059°

MAPt
D0.7 KMC

ONOSO(FAF)
D8.0 KMC

SUDOP(IF)
D15.0 KMC

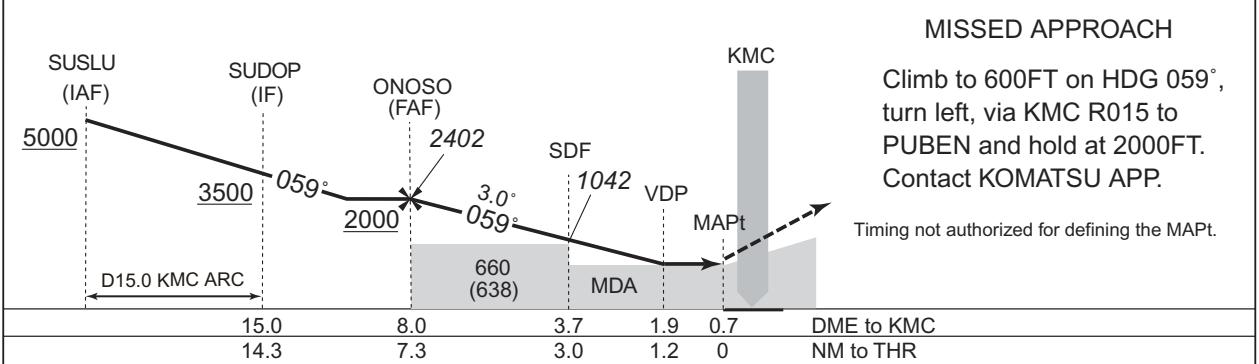
SUSLU(IAF)
D15.0 KMC

ONOSO(FAF):
361843.11N/1361638.28E

NM to KMC

NM to KMC	FAF	7	6	5	4	3	2	MAPt
ALT (3.0° APCH Path)	2402	2083	1765	1446	1128	810	491	–

3100 · 5978 · 4350 · 8865 ·



CHANGE : New PROC.

MINIMA		THR elev. 38	AD elev. 22	
CAT			CIRCLING	
	MDA(H)	RVR/ CMV	MDA(H)	VIS
A	450 (428)	900	510 (488)	1600
B		1000		2400
C		1400	580 (558)	3200
D				

INSTRUMENT APPROACH CHART

RJNK / KOMATSU

KOMATSU APP
121.25 – 261.2 – 120.1

KOMATSU VORTAC
112.0 KMC CH - 57X
36°23'47"N/136°24'15"E

KOMATSU TOWER
118.25–304.8
126.2–236.8
121.7G–275.8G

RADAR AVBL CALL
KOMATSU APP

VAR 9°W (2024)
MSA 25NM

UGARA(IAF)
D25.0 KMC

KABOL(IF)
D12.0 KMC

PUSAT(FAF)
D6.0 KMC

MAPt
D1.0 KMC

GOZEN
D10.0 KMC

MHA 3000
MAX 230KIAS

D16.0 KMC

NOT TO SCALE

D35.0 KMC

UGARA(IAF)
D25.0 KMC

MHA 4000
MAX 240KIAS

KMC VORTAC

10NM

1798

2138

3100

5978

4350

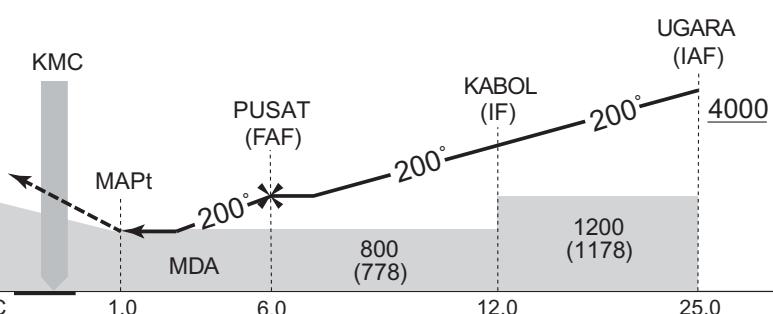
8865

PUSAT(FAF): 362940.27N/1362549.95E

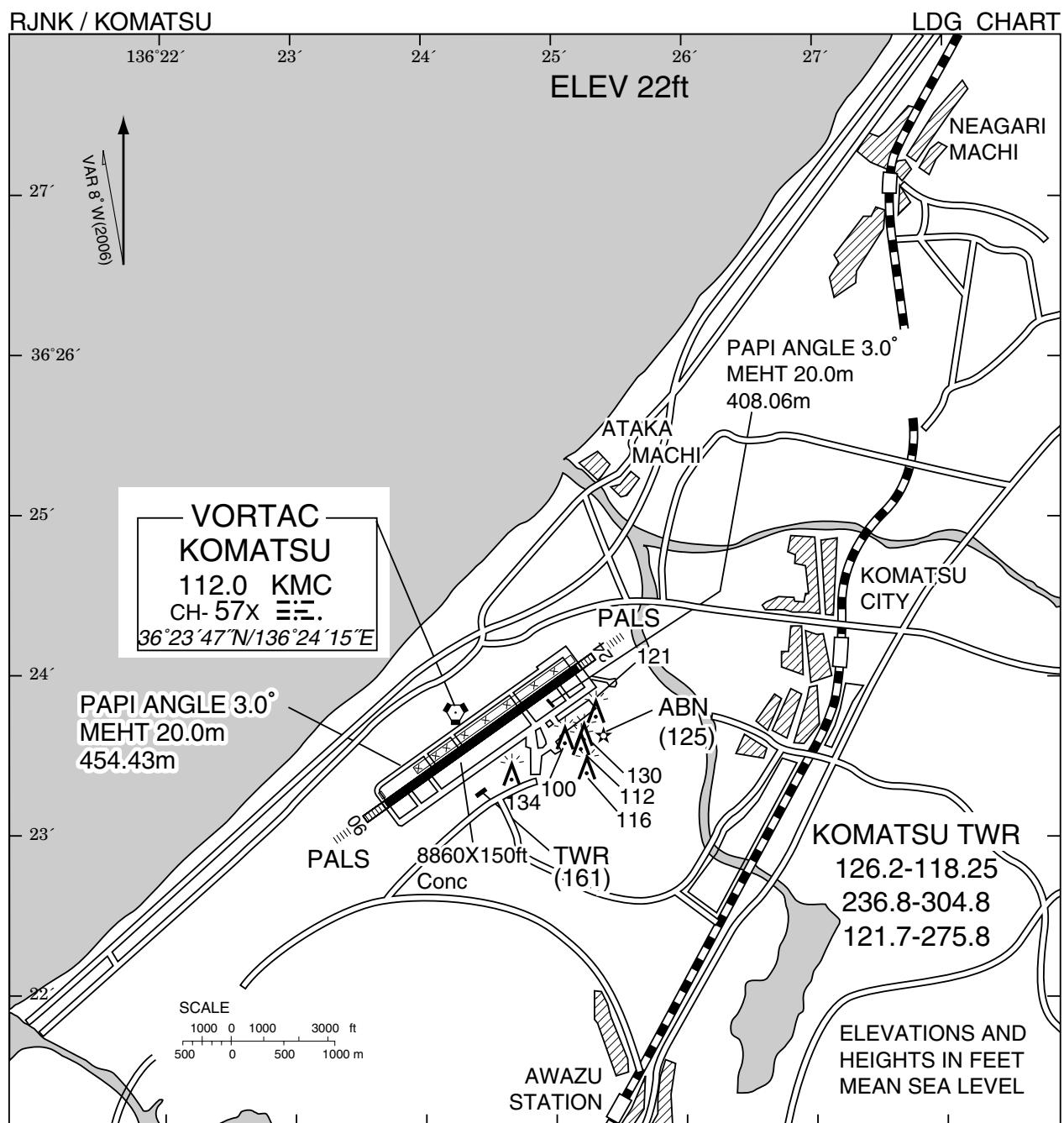
MISSED APPROACH

Turn right, climb to 3000FT via KMC R286 to GOZEN and hold.
Contact KOMATSU APP

Timing not authorized for defining the MAPt



MINIMA		AD elev. 22
CAT	CIRCLING	
	MDA(H)	VIS
A	800 (778)	1600
B		2400
C		3200
D		



注： 小松飛行場の本滑走路の供用開始に伴い、着陸する航空機は、運用を廃止した仮設滑走路に誤認着陸しないように注意すること。

Note: With an in-service start of this runway of Komatsu aerodrome, warn a landing aircraft not to land at the out-service temporary runway.

- 備考 : 1. 仮設滑走路には禁止標識が設置される (300m以内に1個標準)。
 2. 航空機の到着機がある場合は、気象状態にかかわらず着陸滑走路の進入灯が常時点灯される。
 3. 管制官からの着陸許可発出後に注意喚起のため、次の用語が通報される場合がある。

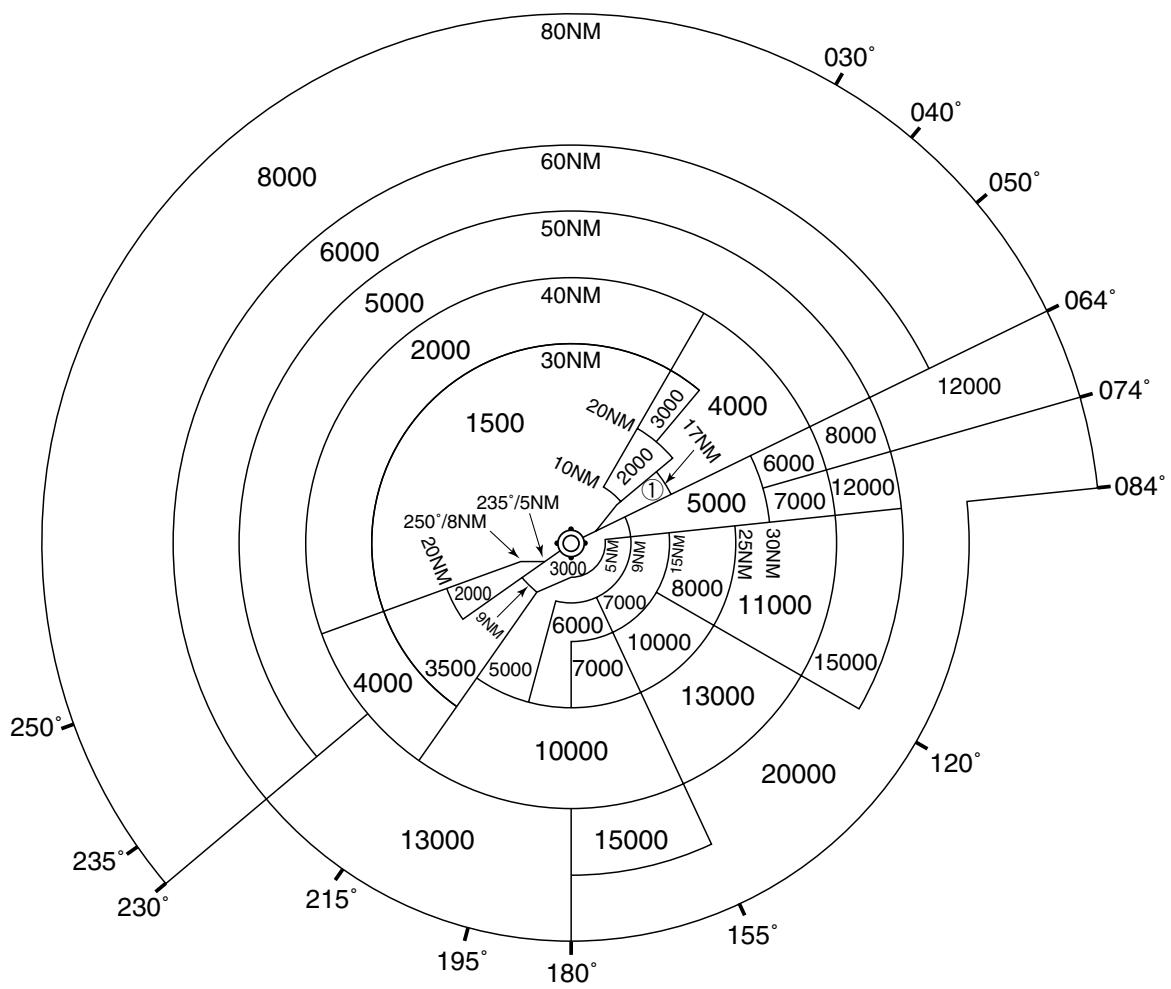
用語例：「VERIFY LANDING RUNWAY.」

- Rem: 1. A closed marking is installed in a temporary runway (one less than 300m, standard).
 2. When there is arrival aircraft, approach lights of a landing runway is always turned on regardless of a weather state.
 3. There is the case that the next term is reported to for attention awakening after a landing permission from a ATC.
 A term example : 「VERIFY LANDING RUNWAY.」

RJNK / KOMATSU

Minimum Vectoring Altitude CHART

VAR 8°W (2009)



CENTER : 362322N/1362441E (RADAR SITE)

