RJNK / KOMATSU **RNAV STAR RWY06** RNAV 1 KOMATSU WEST ARRIVAL Note 1) DME/DME/IRU or GNSS required. 2) RADAR service required. VAR 8°W (2014) SAWRA 362735.2N 1361253.1E KOMATSU WEST ARRIVAL KOMATSU(KMC) 362347.3N 1362415.3E 4000 VORTAC -**MEGIS** KOMATSU 362054.4N 112.0 KMC 1360645.1E CH-57X $\equiv :=$ 36°23′47″N/136°24′15″E 183 4.3 093 **KANOH DAIJO** 361631.0N 361653.7N 1360713.9E 1361231.8E

KOMATSU WEST ARRIVAL

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

Critical DME	KMC: 6.9nm to SAWRA - 5.0nm to SAWRA KMC: 2.0nm to SAWRA - 5.0nm to MEGIS KMC: MEGIS - 3.0nm to KANOH YME: 6.9nm to SAWRA - 5.0nm to SAWRA YME: 2.0nm to SAWRA - 5.0nm to MEGIS YME: MEGIS - 3.0nm to KANOH
DME GAP	KMC - 6.9nm to SAWRA 5.0nm to SAWRA - 2.0nm to SAWRA 5.0nm to MEGIS - MEGIS 3.0nm to KANOH - DAIJO
Inappropriate Navaids	See AD1.1.6.10.3 Inappropriate NAVAIDs for RNAV1

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	_	_	-7.7	_	_	_	_	_	RNAV1
002	TF	SAWRA	_	300 (292.6)	-7.7	9.9	_	_	_	_	RNAV1
003	TF	MEGIS		224 (216.5)	-7.7	8.3	_	+4000	1	_	RNAV1
004	TF	KANOH	_	183 (175.0)	-7.7	4.4	_	_	ı	_	RNAV1
005	TF	DAIJO	_	093 (084.9)	-7.7	4.3	_	+2000	_	_	RNAV1

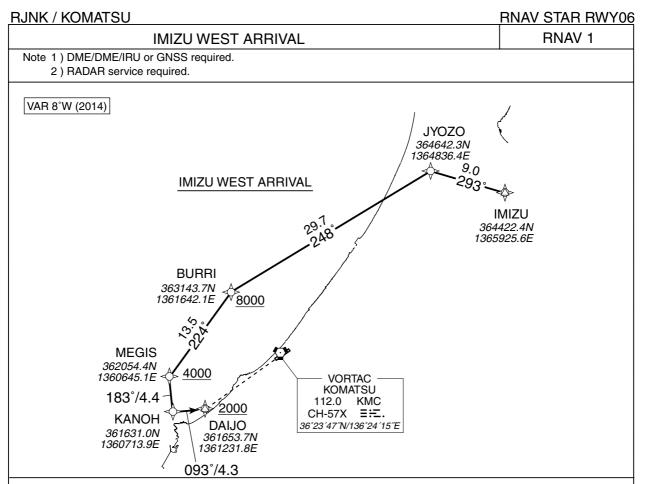
RJNK / KOMATSU **RNAV STAR RWY06** RNAV 1 HIMMY WEST ARRIVAL Note 1) DME/DME/IRU or GNSS required. 2) RADAR service required. VAR 8°W (2014) HIMMY HIMMY WEST ARRIVAL 364916.0N 1365406.9E 34.⁸ 248 **BURRI** 363143.7N 1361642.1E **№8000 MEGIS** 362054.4N 4000 1360645.1E VORTAC KOMATSU 183°/4.4 112.0 KMC <u>2000</u> CH-57X **Ξ**:Ξ. **KANOH DAIJO** 36°23′47″N/136°24′15″E 361631.0N 361653.7N 1360713.9E 1361231.8E 093°/4.3

HIMMY WEST ARRIVAL

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

Critical DME	TOE: HIMMY - 11.0nm to BURRI TOE: 8.0nm to MEGIS - 7.0nm to MEGIS KMC: HIMMY - 30.0nm to BURRI KMC: 24.0nm to BURRI - 22.0nm to BURRI KMC: 17.0nm to BURRI - 15.0nm to BURRI KMC: 8.0nm to MEGIS - 7.0nm to MEGIS KMC: MEGIS - 3.0nm to KANOH YME: MEGIS - 3.0nm to KANOH
DME GAP	7.0nm to MEGIS - MEGIS 3.0nm to KANOH - DAIJO
Inappropriate Navaids	See AD1.1.6.10.3 Inappropriate NAVAIDs for RNAV1

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	_	_	-7.7	_	_	_	_	_	RNAV1
002	TF	BURRI	_	248 (239.9)	-7.7	34.8	1	+8000	1	_	RNAV1
003	TF	MEGIS	_	224 (216.5)	-7.7	13.5	1	+4000	1	_	RNAV1
004	TF	KANOH	_	183 (175.0)	-7.7	4.4	_	_	_	_	RNAV1
005	TF	DAIJO	_	093 (084.9)	-7.7	4.3	ı	+2000	_	_	RNAV1

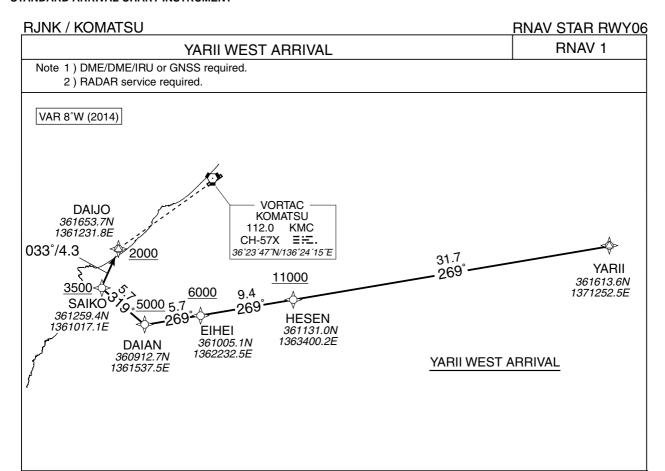


IMIZU WEST ARRIVAL

From IMIZU, to JYOZO, to BURRI at or above 8000FT, to MEGIS at or above 4000FT, to KANOH, to DAIJO at or above 2000FT.

Critical DME	TOE: IMIZU - 10.0nm to BURRI KMC: 4.0nm to JYOZO - JYOZO KMC: 24.0nm to BURRI - 22.0nm to BURRI KMC: 17.0nm to BURRI - 15.0nm to BURRI KMC: 7.0nm to MEGIS - 5.0nm to MEGIS KMC: MEGIS - 3.0nm to KANOH YME: 7.0nm to MEGIS - 5.0nm to MEGIS YME: MEGIS - 3.0nm to KANOH
DME GAP	5.0nm to MEGIS - MEGIS 3.0nm to KANOH - DAIJO
Inappropriate Navaids	See AD1.1.6.10.3 Inappropriate NAVAIDs for RNAV1

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	_	_	-7.7	-	_	_	_	_	RNAV1
002	TF	JYOZO	_	293 (285.1)	-7.7	9.0	_	_	_	_	RNAV1
003	TF	BURRI	_	248 (239.8)	-7.7	29.7	_	+8000	-	_	RNAV1
004	TF	MEGIS	_	224 (216.5)	-7.7	13.5	_	+4000	-	_	RNAV1
005	TF	KANOH	_	183 (175.0)	-7.7	4.4	_	_	_	_	RNAV1
006	TF	DAIJO	_	093 (084.9)	-7.7	4.3	_	+2000	_	_	RNAV1

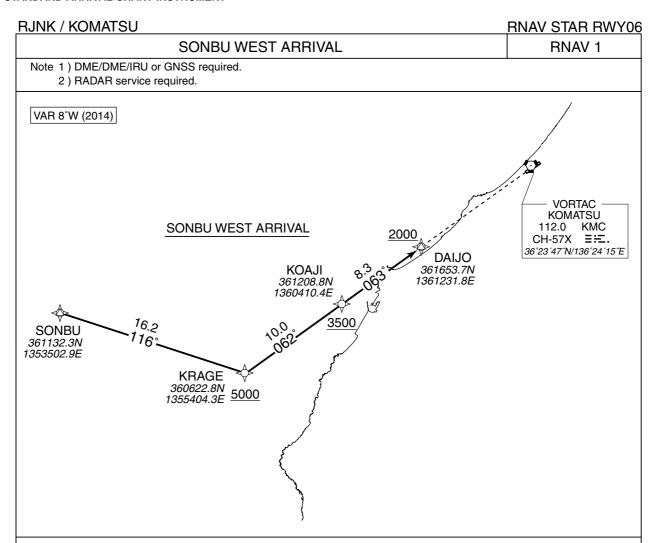


YARII WEST ARRIVAL

From YARII, to HESEN 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.

Critical DME	KMC : 14.0nm to HESEN -EIHEI YME : HESEN-EIHEI
DME GAP	EIHEI - DAIJO
Inappropriate Navaids	See AD1.1.6.10.3 Inappropriate NAVAIDs for RNAV1

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	_	_	-7.7	_	_	_	_	_	RNAV1
002	TF	HESEN	_	269 (261.6)	-7.7	31.7	_	+11000		_	RNAV1
003	TF	EIHEI	_	269 (261.3)	-7.7	9.4	_	+6000	ı	_	RNAV1
004	TF	DAIAN	_	269 (261.1)	-7.7	5.7	_	+5000	-	_	RNAV1
005	TF	SAIKO	_	319 (311.3)	-7.7	5.7	_	+3500	1	_	RNAV1
006	TF	DAIJO	-	033 (024.9)	-7.7	4.3	_	+2000	ı	_	RNAV1



SONBU WEST ARRIVAL

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

Critical DME	KMC : SONBU - 8.0nm to KRAGE YME : SONBU - 8.0nm to KRAGE
DME GAP	8.0nm to KRAGE - DAIJO
Inappropriate Navaids	See AD1.1.6.10.3 Inappropriate NAVAIDs for RNAV1

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation		Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	SONBU	_	_	-7.7	_	_	_	_	_	RNAV1
002	TF	KRAGE	-	116 (108.5)	-7.7	16.2	_	+5000	_	_	RNAV1
003	TF	KOAJI		062 (054.7)	-7.7	10.0	-	+3500	_	_	RNAV1
004	TF	DAIJO	_	063 (054.8)	-7.7	8.3	_	+2000	_	_	RNAV1

RJNK / KOMATSU **RNAV STAR RWY24** RNAV 1 KOMATSU EAST ARRIVAL Note 1) DME/DME/IRU or GNSS required. 2) RADAR service required. VAR 8°W (2014) 2600 HIMRO 5.0 4000 [/]363553.0N 083 1363402.3E 4.5 080° **ZEBRA** 363438.8N YAMJI -1362801.2E 363316.8N 1362242.5E KOMATSU EAST ARRIVAL VORTAC KOMATSU 112.0 KMC CH-57X **Ξ :**Ξ. KOMATSU(KMC) 36°23′47″N/136°24′15″E 362347.3N 1362415.3E

KOMATSU EAST ARRIVAL

From KMC, to YAMJI, to ZEBRA at or above 4000FT, to HIMRO at or above 2600FT.

Critical DME	KMC : 6.6nm to YAMJI - YAMJI YME : 6.6nm to YAMJI - YAMJI
DME GAP	KMC - 6.6nm to YAMJI YAMJI - HIMRO
Inappropriate Navaids	See AD1.1.6.10.3 Inappropriate NAVAIDs for RNAV1

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation		Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	KMC	_	_	-7.7	_	_	-	_	_	RNAV1
002	TF	YAMJI	_	360 (352.5)	-7.7	9.6	_	_	_	_	RNAV1
003	TF	ZEBRA	_	080 (072.2)	-7.7	4.5	1	+4000	_	-	RNAV1
004	TF	HIMRO	_	083 (075.6)	-7.7	5.0	_	+2600	_	_	RNAV1

RJNK / KOMATSU **RNAV STAR RWY24** HIMMY EAST ARRIVAL RNAV 1 Note 1) DME/DME/IRU or GNSS required. 2) RADAR service required. VAR 8°W (2014) HIMMY 364916.0N 1365406.9E 10.7 VOR/DME **TOYAMA** 110.85 TOE CH-45Y = -36°39′08″N/137°11′28″E 100FT 7000 **GINRE** 363841.4N 1365621.2E 5000 HIMMY EAST ARRIVAL **KINKA** 363210.7N 1364250.6E VORTAC KOMATSU 112.0 KMC CH-57X **Ξ**:Ξ.

HIMMY EAST ARRIVAL

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

36°23′47″N/136°24′15″E

Critical DME	TOE: HIMMY - GINRE TOE: 12.0nm to KINKA - 9.0nm to KINKA KMC: HIMMY - 7.0nm to GINRE KMC: 6.0nm to GINRE - 2.0nm to GINRE YME: 12.0nm to KINKA - 9.0nm to KINKA
DME GAP	GINRE - 12.0nm to KINKA 9.0nm to KINKA - KINKA
Inappropriate Navaids	See AD1.1.6.10.3 Inappropriate NAVAIDs for RNAV1

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation		Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	HIMMY	_	_	-7.7	_	_	_	_	_	RNAV1
002	TF	GINRE	_	178 (170.4)	-7.7	10.7	_	+7000	_	_	RNAV1
003	TF	KINKA	_	247 (239.1)	-7.7	12.7	_	+5000	_	_	RNAV1

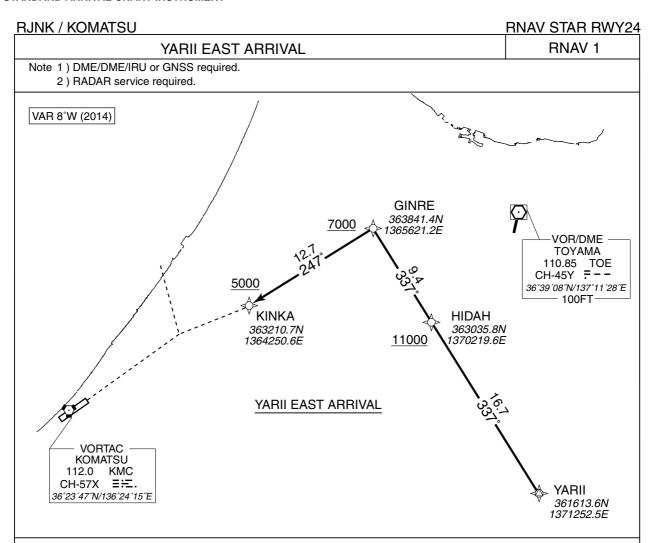
RNAV STAR RWY24 RJNK / KOMATSU RNAV 1 IMIZU EAST ARRIVAL Note 1) DME/DME/IRU or GNSS required. 2) RADAR service required. VAR 8°W (2014) **IMIZU** 364422.4N 1365925.6E 7000 **GINRE** 363841.4N 1365621.2E VOR/DME **TOYAMA** 110.85 TOE CH-45Y = --5000 36°39′08″N/137°11′28″E IMIZU EAST ARRIVAL 100FT **KINKA** 363210.7N 1364250.6E VORTAC KOMATSU 112.0 KMC CH-57X **Ξ**:**Ξ** 36°23′47″N/136°24′15″E

IMIZU EAST ARRIVAL

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

	,
	TOE : IMIZU - GINRE
Oviti a al DME	TOE: 12.0nm to KINKA - 9.0nm to KINKA
Critical DME	KMC : IMIZU - 2.0nm to GINRE
	YME: 12.0nm to KINKA - 9.0nm to KINKA
DME GAP	GINRE - 12.0nm to KINKA
DIVIE GAP	9.0nm to KINKA - KINKA
Inappropriate Navaids	See AD1.1.6.10.3 Inappropriate NAVAIDs for RNAV1

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation		Turn Direction	Altitude (FT)	Speed (KIAS)		
001	IF	IMIZU	_	_	-7.7	_	_	_	_	_	RNAV1
002	TF	GINRE	_	211 (203.4)	-7.7	6.2	_	+7000	_	_	RNAV1
003	TF	KINKA	_	247 (239.1)	-7.7	12.7	_	+5000	_	_	RNAV1

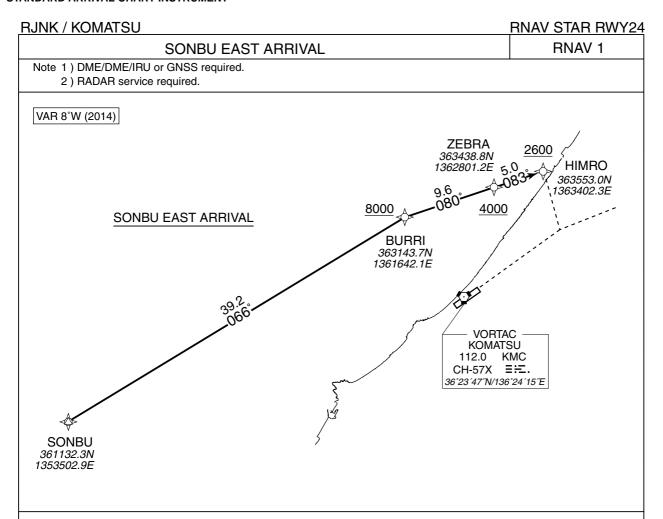


YARII EAST ARRIVAL

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

Critical DME	TOE: 8.0nm to HIDAH - 8.0nm to GINRE TOE: 1.0nm to GINRE - GINRE TOE: 12.0nm to KINKA - 9.0nm to KINKA KMC: 2.0nm to HIDAH - 8.0nm to GINRE YME: 1.0nm to GINRE - GINRE YME: 12.0nm to KINKA - 9.0nm to KINKA
DME GAP	8.0nm to GINRE - 1.0nm to GINRE GINRE - 12.0nm to KINKA 9.0nm to KINKA - KINKA
Inappropriate Navaids	See AD1.1.6.10.3 Inappropriate NAVAIDs for RNAV1

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation		Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	YARII	_	_	-7.7	_	-	_	_	_	RNAV1
002	TF	HIDAH	_	337 (329.5)	-7.7	16.7	_	+11000	_	_	RNAV1
003	TF	GINRE	_	337 (329.4)	-7.7	9.4	ı	+7000	ı	_	RNAV1
004	TF	KINKA	_	247 (239.1)	-7.7	12.7	<u>-</u>	+5000	_	_	RNAV1



SONBU EAST ARRIVAL

From SONBU, to BURRI at or above 8000FT, to ZEBRA at or above 4000FT, to HIMRO at or above 2600FT.

Critical DME	YME: SONBU - 8.0nm to BURRI KMC: 34.0nm to BURRI - 8.0nm to BURRI KMC: 7.0nm to BURRI - 5.0nm to BURRI KMC: BURRI - 7.0nm to ZEBRA KMC: 6.0nm to ZEBRA - 5.0nm to ZEBRA TOE: 7.0nm to BURRI - 5.0nm to BURRI TOE: BURRI - 7.0nm to ZEBRA TOE: 6.0nm to ZEBRA - 5.0nm to ZEBRA
DME GAP	8.0nm to BURRI - 7.0nm to BURRI 5.0nm to ZEBRA - HIMRO
Inappropriate Navaids	See AD1.1.6.10.3 Inappropriate NAVAIDs for RNAV1

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation		Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	IF	SONBU	_	_	-7.7	_	_	-	_	_	RNAV1
002	TF	BURRI	_	066 (058.8)	-7.7	39.2	_	+8000	_	_	RNAV1
003	TF	ZEBRA	_	080 (072.1)	-7.7	9.6	1	+4000	_	_	RNAV1
004	TF	HIMRO	_	083 (075.6)	-7.7	5.0	_	+2600	_	_	RNAV1