

RJTT/TOKYO INTL

RNAV SID

VAR8°W

VOR/DME
HANEDA
112.2 HME
CH-59X
35°33'44"N/139°45'40"E
100FT

LAXAS
FL170

IMOLA
FL150

SATOL

PIPER
9000

UMUKI

TAURA
9000

BASSA

HOBBS

LOCUP
5000

TT501

TT502

Distances and Bearings:

- LAXAS to IMOLA: 12.8 / 266°
- IMOLA to SATOL: 267°/9.1
- SATOL to PIPER: 235°/5.5
- PIPER to UMUKI: 235°/3.5
- UMUKI to TAURA: 172°/9.2
- TAURA to BASSA: 188°/5.8
- BASSA to HOBBS: 188°/5.8
- HOBBS to LOCUP: 199°/5.2
- LOCUP to TT501: 158°/5.0
- TT501 to TT502: 158°/5.0

Other labels: T6R11, T6L21, 043, 050°, 700, 333, 338, 223°, 600, 500, 500.

CHANGE : PROC renamed. PROC course.

STANDARD DEPARTURE CHART-INSTRUMENT

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LAXAS FOUR DEPARTURE

RWY16R : Climb on HDG 158° at or above 500FT, direct to T6R11,
to TAURA at or above 9000FT, to IMOLA at or above FL150,
to LAXAS at or above FL170.

RWY16L : Climb on HDG 158° at or above 500FT, direct to T6L21,
to TAURA at or above 9000FT, to IMOLA at or above FL150,
to LAXAS at or above FL170.

RWY34L/34R : Climb on HDG 338° at or above 700FT, turn right direct to
TT502, to LOCUP at or above 5000FT, to TAURA at or above
9000FT, to IMOLA at or above FL150, to LAXAS at or above
FL170.

RWY04 : Climb on HDG 043° at or above 700FT, turn right direct to TT502,
to LOCUP at or above 5000FT, to TAURA at or above 9000FT,
to IMOLA at or above FL150, to LAXAS at or above FL170.

RWY05 : Climb on HDG 050° at or above 500FT, direct to TT501, turn right
direct to TT502, to LOCUP at or above 5000FT, to TAURA at or
above 9000FT, to IMOLA at or above FL150, to LAXAS at or above
FL170.

RWY22 : Climb on HDG 223° at or above 600FT, turn left direct to HOBBS,
to BASSA, to UMUKI, to PIPER at or above 9000FT, to SATOL,
to IMOLA at or above FL150, to LAXAS at or above FL170.

Note RWY34L/34R/04 : 5.0% climb gradient required up to 700FT.

RWY05 : 5.0% climb gradient required up to 500FT.

RWY22 : 5.0% climb gradient required up to 600FT.

CHANGE : PROC renamed.

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LAXAS FOUR DEPARTURE

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 (150.0)	-7.9	—	—	+500	—	—	RNAV1
002	DF	T6R11	—	—	-7.9	—	—	—	—	—	RNAV1
003	TF	TAURA	—	226 (218.1)	-7.9	9.0	—	+9000	—	—	RNAV1
004	TF	IMOLA	—	228 (220.5)	-7.9	18.8	—	+FL150	—	—	RNAV1
005	TF	LAXAS	—	266 (258.6)	-7.9	12.8	—	+FL170	—	—	RNAV1

RWY16L

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 (150.0)	-7.9	—	—	+500	—	—	RNAV1
002	DF	T6L21	—	—	-7.9	—	—	—	—	—	RNAV1
003	TF	TAURA	—	226 (218.1)	-7.9	10.0	—	+9000	—	—	RNAV1
004	TF	IMOLA	—	228 (220.5)	-7.9	18.8	—	+FL150	—	—	RNAV1
005	TF	LAXAS	—	266 (258.6)	-7.9	12.8	—	+FL170	—	—	RNAV1

RWY34L/RWY34R

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 (330.0)	-7.9	—	—	+700	—	—	RNAV1
002	DF	TT502	—	—	-7.9	—	R	—	—	—	RNAV1
003	TF	LOCUP	—	199 (190.9)	-7.9	5.2	—	+5000	—	—	RNAV1
004	TF	TAURA	—	235 (227.3)	-7.9	12.6	—	+9000	—	—	RNAV1
005	TF	IMOLA	—	228 (220.5)	-7.9	18.8	—	+FL150	—	—	RNAV1
006	TF	LAXAS	—	266 (258.6)	-7.9	12.8	—	+FL170	—	—	RNAV1

CHANGE : PROC renamed. VAR.

STANDARD DEPARTURE CHART-INSTRUMENT

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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 (034.9)	-7.9	—	—	+700	—	—	RNAV1
002	DF	TT502	—	—	-7.9	—	R	—	—	—	RNAV1
003	TF	LOCUP	—	199 (190.9)	-7.9	5.2	—	+5000	—	—	RNAV1
004	TF	TAURA	—	235 (227.3)	-7.9	12.6	—	+9000	—	—	RNAV1
005	TF	IMOLA	—	228 (220.5)	-7.9	18.8	—	+FL150	—	—	RNAV1
006	TF	LAXAS	—	266 (258.6)	-7.9	12.8	—	+FL170	—	—	RNAV1

RWY05

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	—	—	050 (042.4)	-7.9	—	—	+500	—	—	RNAV1
002	DF	TT501	Y	—	-7.9	—	—	—	—	—	RNAV1
003	DF	TT502	—	—	-7.9	—	R	—	—	—	RNAV1
004	TF	LOCUP	—	199 (190.9)	-7.9	5.2	—	+5000	—	—	RNAV1
005	TF	TAURA	—	235 (227.3)	-7.9	12.6	—	+9000	—	—	RNAV1
006	TF	IMOLA	—	228 (220.5)	-7.9	18.8	—	+FL150	—	—	RNAV1
007	TF	LAXAS	—	266 (258.6)	-7.9	12.8	—	+FL170	—	—	RNAV1

CHANGE : VAR.

STANDARD DEPARTURE CHART-INSTRUMENT

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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 (214.9)	-7.9	—	—	+600	—	—	RNAV1
002	DF	HOBBS	—	—	-7.9	—	L	—	—	—	RNAV1
003	TF	BASSA	—	188 (179.9)	-7.9	5.8	—	—	—	—	RNAV1
004	TF	UMUKI	—	172 (163.9)	-7.9	9.2	—	—	—	—	RNAV1
005	TF	PIPER	—	235 (227.4)	-7.9	3.5	—	+9000	—	—	RNAV1
006	TF	SATOL	—	235 (227.4)	-7.9	5.5	—	—	—	—	RNAV1
007	TF	IMOLA	—	267 (258.7)	-7.9	9.1	—	+FL150	—	—	RNAV1
008	TF	LAXAS	—	266 (258.6)	-7.9	12.8	—	+FL170	—	—	RNAV1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
BASSA	352108.8N / 1394542.2E	T6L21	352639.1N / 1395222.0E
HOBBS	352653.9N / 1394541.3E	T6R11	352552.5N / 1395137.2E
IMOLA	350426.0N / 1392951.0E	TAURA	351846.1N / 1394447.3E
LAXAS	350153.1N / 1391432.8E	TT501	353328.7N / 1395029.9E
LOCUP	352718.8N / 1395608.5E	TT502	353224.4N / 1395720.7E
PIPER	350958.3N / 1394542.0E	UMUKI	351219.1N / 1394849.2E
SATOL	350613.3N / 1394043.4E		

CHANGE : PROC course. VAR.