

STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY16R/16L

SWAMP G ARRIVAL
SWAMP N ARRIVAL

RNAV 1

Note 1) DME/DME/IRU or GNSS required.
2) RADAR service required.

MHA 11000 NOT TO SCALE
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)

SWAMP

1MIN(at or below FL140)
1.5MIN(above FL140)

VAR 8° W

SWAMP N ARRIVAL

VOR/DME
NARITA
117.9 NRE
CH-126X
35°46'56"N/140°21'45"E
200FT

TACAN
CHOSHI
1170 CVT
CH-83X
35°43'36"N/140°48'00"E
200FT

SWAMP G ARRIVAL

MHA 9000 NOT TO SCALE
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)

1MIN(at or below FL140)
1.5MIN(above FL140)

CHANGE : Description of HLDG pattern.

MHA 4000 NOT TO SCALE
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)

GEMIN

1MIN(at or below FL140)
1.5MIN(above FL140)

MHA 6000 NOT TO SCALE
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)

NORMA

1MIN(at or below FL140)
1.5MIN(above FL140)

MHA 4000 NOT TO SCALE
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)

CASIO

1MIN(at or below FL140)
1.5MIN(above FL140)

MHA 6000 NOT TO SCALE
MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)

BARON

1MIN(at or below FL140)
1.5MIN(above FL140)

STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY16R/16L

SWAMP G ARRIVAL

From SWAMP, to VIXEN at or above 11000FT, to PLEIA at 9000FT, to BETEL, to AA653, to AA654, to SPITZ at 9000FT, to CASIO at 6000FT, to GEMIN.

Critical DME	—
DME GAP	—
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	SWAMP	—	—	-7.5	—	—	—	—	—	RNAV1
002	TF	VIXEN	—	140 (133.0)	-7.5	8.3	—	+11000	—	—	RNAV1
003	TF	PLEIA	—	141 (133.0)	-7.5	8.8	—	9000	210	—	RNAV1
004	TF	BETEL	—	157 (149.1)	-7.5	9.4	—	—	—	—	RNAV1
005	TF	AA653	—	167 (159.6)	-7.5	7.0	—	—	—	—	RNAV1
006	TF	AA654	—	191 (183.1)	-7.5	7.0	—	—	—	—	RNAV1
007	TF	SPITZ	—	214 (206.6)	-7.5	7.0	—	9000	210	—	RNAV1
008	TF	CASIO	—	316 (308.6)	-7.5	17.1	—	6000	—	—	RNAV1
009	TF	GEMIN	—	317 (309.1)	-7.5	11.6	—	—	—	—	RNAV1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Outbound Distance (NM)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	SWAMP	205 (197.0)	-7.5	1.0(-14000) 1.5(+14001)	—	L	11000	—	-230(-14000) -240(+14001)	RNAV1
Hold	PLEIA	141 (133.1)	-7.5	1.0(-14000) 1.5(+14001)	—	R	9000	—	-230(-14000) -240(+14001)	RNAV1
Hold	CASIO	316 (308.6)	-7.5	1.0(-14000) 1.5(+14001)	—	R	4000	—	-230(-14000) -240(+14001)	RNAV1
Hold	GEMIN	317 (309.1)	-7.5	1.0(-14000) 1.5(+14001)	—	R	4000	—	-230(-14000) -240(+14001)	RNAV1

CHANGE : New PROC

STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY16R/16L

SWAMP N ARRIVAL

From SWAMP, to VIXEN at or above 11000FT, to PLEIA, to AA655, to AA656, to AA657 at or above 9000FT, to BARON, to NORMA.

Critical DME	—
DME GAP	—
Inappropriate Nav aids	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	SWAMP	—	—	-7.5	—	—	—	—	—	RNAV1
002	TF	VIXEN	—	140 (133.0)	-7.5	8.3	—	+11000	—	—	RNAV1
003	TF	PLEIA	—	141 (133.0)	-7.5	8.8	—	—	—	—	RNAV1
004	TF	AA655	—	140 (132.9)	-7.5	14.8	—	—	—	—	RNAV1
005	TF	AA656	—	097 (089.9)	-7.5	8.9	—	—	—	—	RNAV1
006	TF	AA657	—	187 (180.0)	-7.5	11.6	—	+9000	—	—	RNAV1
007	TF	BARON	—	277 (270.0)	-7.5	8.9	—	—	—	—	RNAV1
008	TF	NORMA	—	308 (300.0)	-7.5	26.5	—	—	—	—	RNAV1

Path	Waypoint Identifier	Inbound Course °M(°T)	Magnetic Variation	Outbound Time (MIN)	Outbound Distance (NM)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FT)	Speed (KIAS)	Navigation Specification
Hold	SWAMP	205 (197.0)	-7.5	1.0(-14000) 1.5(+14001)	—	L	11000	—	-230(-14000) -240(+14001)	RNAV1
Hold	PLEIA	141 (133.1)	-7.5	1.0(-14000) 1.5(+14001)	—	R	9000	—	-230(-14000) -240(+14001)	RNAV1
Hold	BARON	277 (270.0)	-7.5	1.0(-14000) 1.5(+14001)	—	R	6000	—	-230(-14000) -240(+14001)	RNAV1
Hold	NORMA	308 (300.0)	-7.5	1.0(-14000) 1.5(+14001)	—	R	6000	—	-230(-14000) -240(+14001)	RNAV1

Waypoint Coordinates

Waypoint Identifier	Coordinates	Waypoint Identifier	Coordinates
AA653	355257.7N / 1405644.1E	CASIO	355021.4N / 1403556.1E
AA654	354557.9N / 1405615.8E	GEMIN	355738.6N / 1402450.7E
AA655	355728.9N / 1410110.3E	NORMA	355900.8N / 1403254.0E
AA656	355729.4N / 1411209.0E	PLEIA	360734.8N / 1404745.4E
AA657	354551.6N / 1411209.1E	SPITZ	353942.4N / 1405223.9E
BARON	354551.0N / 1410112.0E	SWAMP	361914.4N / 1403217.0E
BETEL	355931.6N / 1405343.4E	VIXEN	361335.9N / 1403947.1E

CHANGE : ALT Restriction on AA655, AA657