

STANDARD ARRIVAL CHART - INSTRUMENT

RJAA / NARITA INTL

RNAV STAR RWY16R/16L

SWAMP G ARRIVAL
SWAMP N ARRIVAL

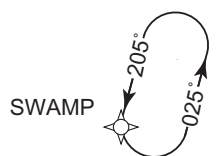
RNAV 1

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

MHA 11000

MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)

VAR 8° W(2019)

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

SWAMP

VIXEN
11000

SWAMP N ARRIVAL

PLEIA
9000 (For SWAMP G ARRIVAL)
210KIAS (For SWAMP G ARRIVAL)

GEMIN

NORMA

BETEL

AA655

AA656

VOR/DME

NARITA

117.9 NRE

CH-126X

35°46'56"N/140°21'45"E

200FT

VOR/DME

HOKUSO

115.0 HKE

CH-97X

35°48'51"N/140°22'18"E

200FT

TACAN

CHOSHI

1170 CVT

CH-83X

35°43'36"N/140°48'00"E

200FT

CASIO
6000

AA653

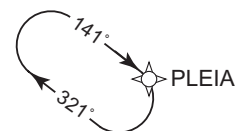
AA654

BARON

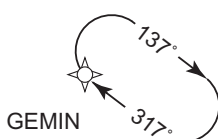
AA657
9000SPITZ
9000
210KIAS

SWAMP G ARRIVAL

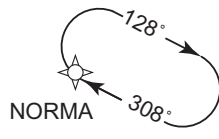
MHA 9000

MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)1MIN(at or below FL140)
1.5MIN(above FL140)

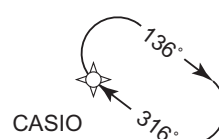
MHA 4000

MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)1MIN(at or below FL140)
1.5MIN(above FL140)

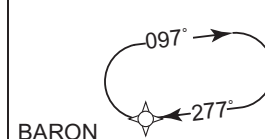
MHA 6000

MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)1MIN(at or below FL140)
1.5MIN(above FL140)

MHA 4000

MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)1MIN(at or below FL140)
1.5MIN(above FL140)

MHA 6000

MAX 230KIAS(at or below FL140)
MAX 240KIAS(above FL140)1MIN(at or below FL140)
1.5MIN(above FL140)

CHANGE : ALT Restriction on AA655, AA657

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