

STANDARD ARRIVAL CHART-INSTRUMENT

RJFF / FUKUOKA

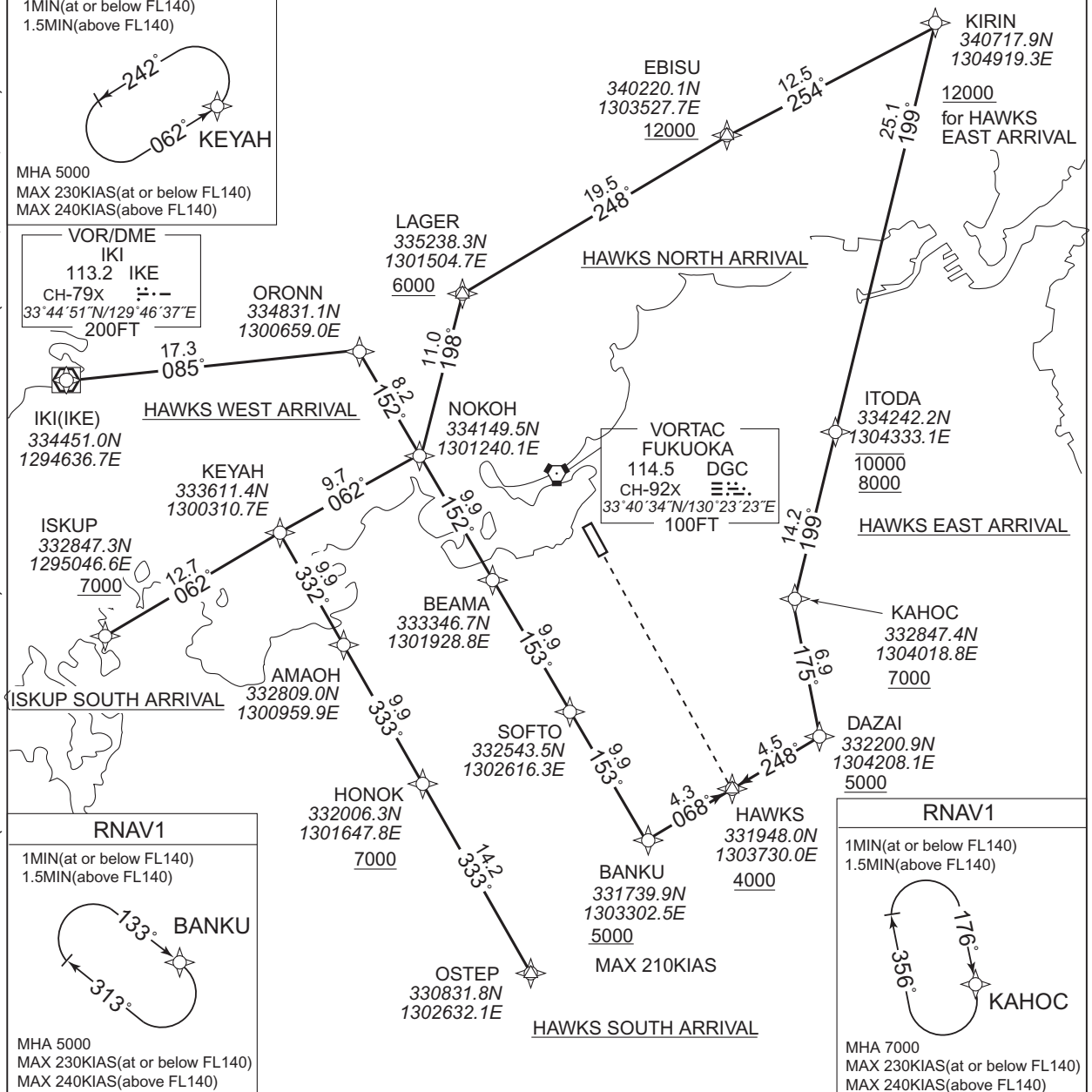
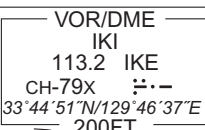
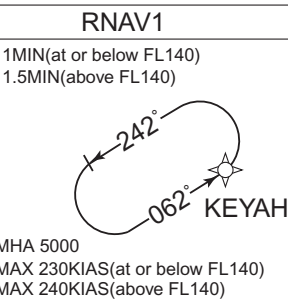
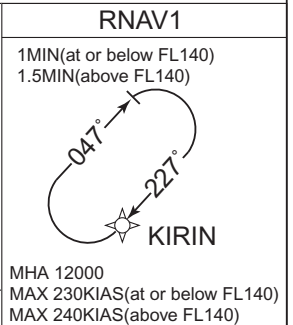
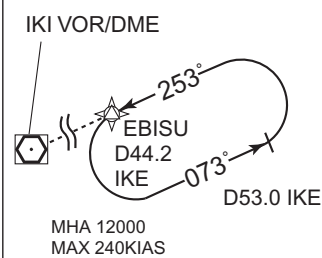
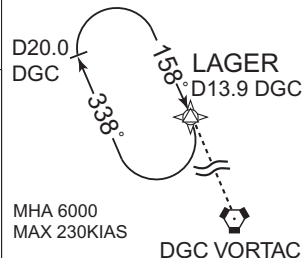
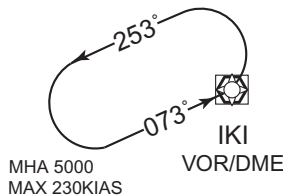
RNAV STAR RWY34

HAWKS EAST ARRIVAL / HAWKS WEST ARRIVAL / HAWKS NORTH ARRIVAL
HAWKS SOUTH ARRIVAL / ISKUP SOUTH ARRIVAL

RNAV 1

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

VAR 8° W(2020)



CHANGE : VAR. New PROC(ISKUP SOUTH ARRIVAL), PROC course. HLDG course(BANKU,KAHOC,KIRIN).

STANDARD ARRIVAL CHART-INSTRUMENT

RJFF / FUKUOKA

RNAV STAR RWY34

HAWKS EAST ARRIVAL

From KIRIN at or above 12000FT, to ITODA between 10000FT and 8000FT, to KAHOC at or above 7000FT, to DAZAI at or above 5000FT, to HAWKS at or above 4000FT.

| | | |
|------------------------|---|---|
| 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 | KIRIN | — | — | -7.7 | — | — | +12000 | — | — | RNAV1 |
| 002 | TF | ITODA | — | 199 (191.0) | -7.7 | 25.1 | — | -10000 +8000 | — | — | RNAV1 |
| 003 | TF | KAHOC | — | 199 (191.0) | -7.7 | 14.2 | — | +7000 | — | — | RNAV1 |
| 004 | TF | DAZAI | — | 175 (167.3) | -7.7 | 6.9 | — | +5000 | — | — | RNAV1 |
| 005 | TF | HAWKS | — | 248 (240.3) | -7.7 | 4.5 | — | +4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | KIRIN | 227 (218.7) | -7.7 | 1.0(-14000) 1.5(+14001) | R | 12000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | KAHOC | 176 (167.3) | -7.7 | 1.0(-14000) 1.5(+14001) | R | 7000 | — | -230(-14000) -240(+14001) | RNAV1 |

HAWKS WEST ARRIVAL

From IKE, to ORONN, to NOKOH, to BEAMA, to SOFTO, to BANKU at or above 5000FT, to HAWKS at or above 4000FT.

| | | |
|------------------------|---|--|
| Critical DME | DGC | IKE - 15.0NM to ORONN 6.0NM to ORONN - 5.0NM to NOKOH |
| | KUE | IKE - 15.0NM to ORONN |
| | IKE | 6.0NM to ORONN - 5.0NM to NOKOH |
| | SGE | 9.0NM to BEAMA - 6.0NM to BEAMA |
| DME GAP | 15.0NM to ORONN - 6.0NM to ORONN 5.0NM to NOKOH - 9.0NM to BEAMA | |
| 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 | IKE | — | — | -7.7 | — | — | — | — | — | RNAV1 |
| 002 | TF | ORONN | — | 085 (077.7) | -7.7 | 17.3 | — | — | — | — | RNAV1 |
| 003 | TF | NOKOH | — | 152 (144.7) | -7.7 | 8.2 | — | — | — | — | RNAV1 |
| 004 | TF | BEAMA | — | 152 (144.8) | -7.7 | 9.9 | — | — | — | — | RNAV1 |
| 005 | TF | SOFTO | — | 153 (144.9) | -7.7 | 9.9 | — | — | — | — | RNAV1 |
| 006 | TF | BANKU | — | 153 (144.9) | -7.7 | 9.9 | — | +5000 | -210 | — | RNAV1 |
| 007 | TF | HAWKS | — | 068 (060.2) | -7.7 | 4.3 | — | +4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | BANKU | 133 (125.0) | -7.7 | 1.0(-14000) 1.5(+14001) | R | 5000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE : VAR. PROC course. HLDG course.

STANDARD ARRIVAL CHART-INSTRUMENT

RJFF / FUKUOKA

RNAV STAR RWY34

HAWKS NORTH ARRIVAL

From KIRIN, to EBISU at or above 12000FT, to LAGER at or above 6000FT, to NOKOH, to BEAMA, to SOFTO, to BANKU at or above 5000FT, to HAWKS at or above 4000FT.

| | | |
|-----------------------|---|---------------------------------|
| Critical DME | IKE | 4.0NM to LAGER - 3.0NM to NOKOH |
| | DGC | LAGER - 3.0NM to NOKOH |
| | SGE | 9.0NM to BEAMA - 6.0NM to BEAMA |
| DME GAP | 3.0NM to NOKOH - 9.0NM to BEAMA | |
| 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 | KIRIN | — | — | -7.7 | — | — | — | — | — | RNAV1 |
| 002 | TF | EBISU | — | 254 (246.7) | -7.7 | 12.5 | — | +12000 | — | — | RNAV1 |
| 003 | TF | LAGER | — | 248 (240.3) | -7.7 | 19.5 | — | +6000 | — | — | RNAV1 |
| 004 | TF | NOKOH | — | 198 (190.5) | -7.7 | 11.0 | — | — | — | — | RNAV1 |
| 005 | TF | BEAMA | — | 152 (144.8) | -7.7 | 9.9 | — | — | — | — | RNAV1 |
| 006 | TF | SOFTO | — | 153 (144.9) | -7.7 | 9.9 | — | — | — | — | RNAV1 |
| 007 | TF | BANKU | — | 153 (144.9) | -7.7 | 9.9 | — | +5000 | -210 | — | RNAV1 |
| 008 | TF | HAWKS | — | 068 (060.2) | -7.7 | 4.3 | — | +4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | KIRIN | 227 (218.7) | -7.7 | 1.0(-14000) 1.5(+14001) | R | 12000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | BANKU | 133 (125.0) | -7.7 | 1.0(-14000) 1.5(+14001) | R | 5000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE : VAR. PROC course. HLDG course.

STANDARD ARRIVAL CHART-INSTRUMENT

RJFF / FUKUOKA

RNAV STAR RWY34

HAWKS SOUTH ARRIVAL

From OSTEP, to HONOK at or above 7000FT, to AMAOH, to KEYAH, to NOKOH, to BEAMA, to SOFTO, to BANKU at or above 5000FT, to HAWKS at or above 4000FT.

| | | |
|------------------------|---|---|
| Critical DME | SGE | 4.0NM to NOKOH - NOKOH 9.0NM to BEAMA - 6.0NM to BEAMA |
| DME GAP | NOKOH - 9.0NM to BEAMA | |
| 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 | OSTEP | — | — | -7.7 | — | — | — | — | — | RNAV1 |
| 002 | TF | HONOK | — | 333 (324.9) | -7.7 | 14.2 | — | +7000 | — | — | RNAV1 |
| 003 | TF | AMAOH | — | 333 (324.8) | -7.7 | 9.9 | — | — | — | — | RNAV1 |
| 004 | TF | KEYAH | — | 332 (324.8) | -7.7 | 9.9 | — | — | — | — | RNAV1 |
| 005 | TF | NOKOH | — | 062 (054.5) | -7.7 | 9.7 | — | — | — | — | RNAV1 |
| 006 | TF | BEAMA | — | 152 (144.8) | -7.7 | 9.9 | — | — | — | — | RNAV1 |
| 007 | TF | SOFTO | — | 153 (144.9) | -7.7 | 9.9 | — | — | — | — | RNAV1 |
| 008 | TF | BANKU | — | 153 (144.9) | -7.7 | 9.9 | — | +5000 | -210 | — | RNAV1 |
| 009 | TF | HAWKS | — | 068 (060.2) | -7.7 | 4.3 | — | +4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | KEYAH | 062 (054.5) | -7.7 | 1.0(-14000) 1.5(+14001) | L | 5000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | BANKU | 133 (125.0) | -7.7 | 1.0(-14000) 1.5(+14001) | R | 5000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE : VAR. PROC course. HLDG course(BANKU).

STANDARD ARRIVAL CHART-INSTRUMENT

RJFF / FUKUOKA

RNAV STAR RWY34

ISKUP SOUTH ARRIVAL

From ISKUP at or above 7000FT, to KEYAH, to NOKOH, to BEAMA, to SOFTO, to BANKU at or above 5000FT, to HAWKS at or above 4000FT.

| | | |
|-----------------------|---|---|
| Critical DME | SGE | 4.0NM to NOKOH - NOKOH 9.0NM to BEAMA - 6.0NM to BEAMA |
| DME GAP | NOKOH - 9.0NM to BEAMA | |
| 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 | ISKUP | — | — | -7.7 | — | — | +7000 | — | — | RNAV1 |
| 002 | TF | KEYAH | — | 062 (054.3) | -7.7 | 12.7 | — | — | — | — | RNAV1 |
| 003 | TF | NOKOH | — | 062 (054.5) | -7.7 | 9.7 | — | — | — | — | RNAV1 |
| 004 | TF | BEAMA | — | 152 (144.8) | -7.7 | 9.9 | — | — | — | — | RNAV1 |
| 005 | TF | SOFTO | — | 153 (144.9) | -7.7 | 9.9 | — | — | — | — | RNAV1 |
| 006 | TF | BANKU | — | 153 (144.9) | -7.7 | 9.9 | — | +5000 | -210 | — | RNAV1 |
| 007 | TF | HAWKS | — | 068 (060.2) | -7.7 | 4.3 | — | +4000 | — | — | RNAV1 |

| Path | Waypoint Identifier | Inbound Course °M(°T) | Magnetic Variation | Outbound Time (MIN) | Turn Direction | Minimum Altitude (FT) | Maximum Altitude (FT) | Speed (KIAS) | Navigation Specification |
|------|---------------------|-----------------------|--------------------|----------------------------|----------------|-----------------------|-----------------------|------------------------------|--------------------------|
| Hold | KEYAH | 062 (054.5) | -7.7 | 1.0(-14000) 1.5(+14001) | L | 5000 | — | -230(-14000) -240(+14001) | RNAV1 |
| Hold | BANKU | 133 (125.0) | -7.7 | 1.0(-14000) 1.5(+14001) | R | 5000 | — | -230(-14000) -240(+14001) | RNAV1 |

CHANGE : New PROC.

INTENTIONALLY LEFT BLANK