

VHHH

Hong Kong Intl

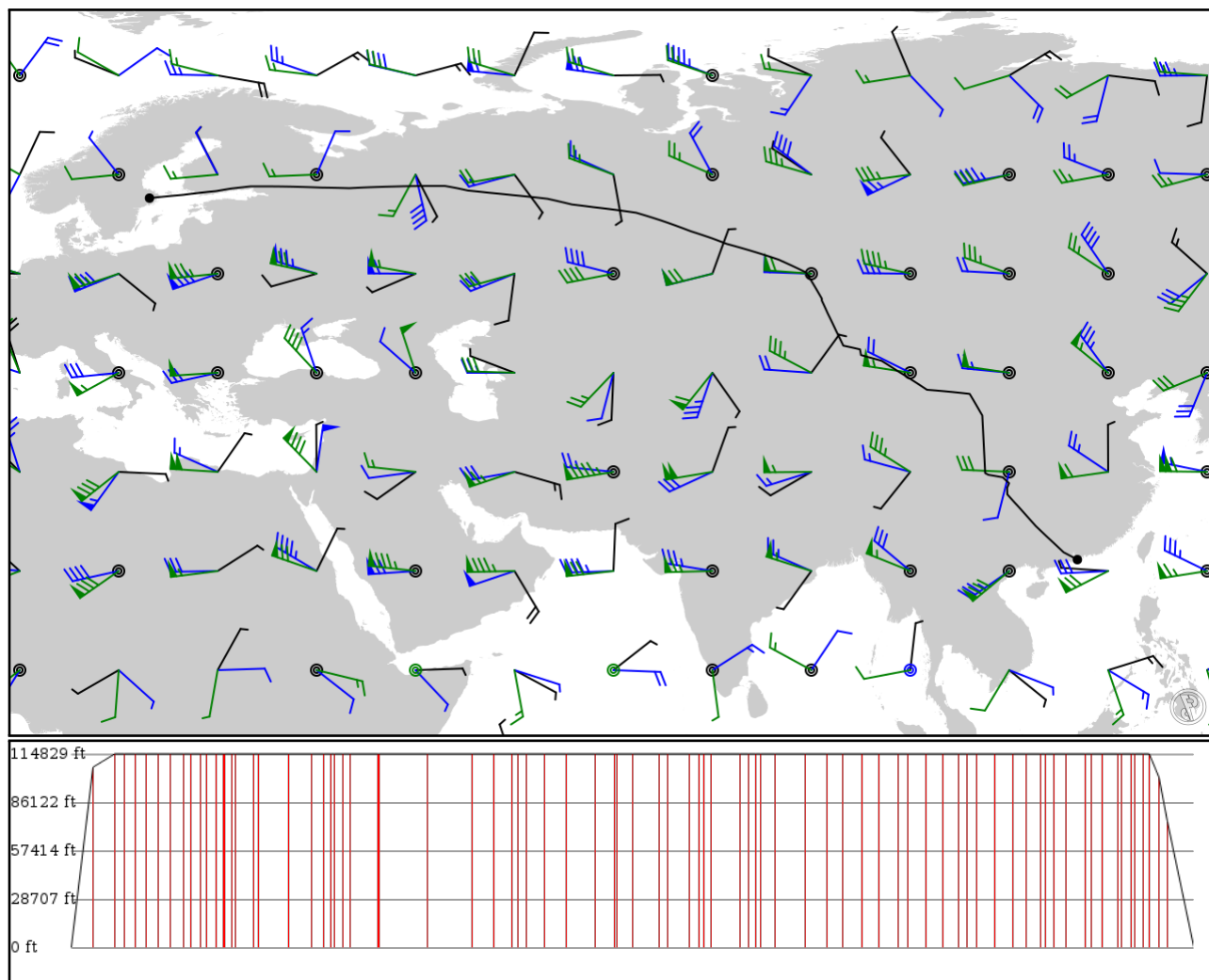
ESSA

Stockholm Arlanda

2024/06/07 0358Z

VHHH GYA **B330** SJG **G586** LAGEX **V50** UNRIX QJG **W30** CKG CKG **W30** DS **B213** GAO **W504** VENON DOREX **B330** YBL
YBL **V67** CHW CHW **V67** NUKTI **B215** HAM **W99** IDOPU **W189** DAKPA **W188** ADPET **B206** LANBI **A814** ARNUL **W914**
AMRAD **P983** IDERI **A489** ML **R814** NH **A575** GIKES **A303** POBEM **B229** RULOT **R959** OTLAS **G908** RATLA **Y359**
VEPIN **P606** EVIRO **N872** POGOK ESSA

4716.52 nm / 8734.99 km



Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 35000ft
- Cruise Speed: 420kts
- Descent Rate: 1500ft/min
- Descent Speed: 250kts

Options:

- Use NATs: no

- Use PACOTS: no
- Use low airways: yes
- Use high airways: yes

Route

| Ident Type | Via | Lat Lon | Alt | Dist (nm) | Name |
|---------------|--------|------------|-----------|--------------|-------------------|
| VHHH | - | 22.30890 | 0 ft | - | Hong Kong Intl |
| APT | - | 113.91500 | 0 m | | |
| GYA | - | 23.07000 | 32,600 ft | 91 | GAOYAO |
| VOR | - | 112.48700 | 9,936 m | | |
| MUBEL | B330 | 24.21000 | 35,000 ft | 95 | - |
| FIX | AWY-HI | 111.27000 | 10,668 m | | |
| QP | B330 | 24.67000 | 35,000 ft | 38 | ERTANG |
| NDB | AWY-HI | 110.77700 | 10,668 m | | |
| MAMSI | B330 | 25.20500 | 35,000 ft | 44 | - |
| FIX | AWY-HI | 110.21200 | 10,668 m | | |
| SJG | B330 | 25.77670 | 35,000 ft | 47 | SANJIANG |
| VOR | AWY-HI | 109.61000 | 10,668 m | | |
| LAGEX | G586 | 26.43000 | 35,000 ft | 50 | - |
| FIX | AWY-HI | 109.02700 | 10,668 m | | |
| XONID | V50 | 27.05670 | 35,000 ft | 48 | - |
| FIX | AWY-HI | 108.46700 | 10,668 m | | |
| TAXOR | V50 | 27.82830 | 35,000 ft | 59 | - |
| FIX | AWY-HI | 107.77300 | 10,668 m | | |
| OTLEK | V50 | 28.18830 | 35,000 ft | 27 | - |
| FIX | AWY-HI | 107.44000 | 10,668 m | | |
| UNRIX | V50 | 28.76670 | 35,000 ft | 44 | - |
| FIX | AWY-HI | 106.91700 | 10,668 m | | |
| QJG | - | 29.05170 | 35,000 ft | 21 | QIJIANG |
| VOR | - | 106.66500 | 10,668 m | | |
| CKG | W30 | 29.72170 | 35,000 ft | 40 | CHONGQING VOR-DME |
| DME | AWY-HI | 106.64300 | 10,668 m | | |
| CKG | - | 29.74670 | 35,000 ft | 1 | JIANGBEI |
| VOR | - | 106.65300 | 10,668 m | | |
| DS | W30 | 30.20000 | 35,000 ft | 29 | HELIUSHUI |
| NDB | AWY-HI | 106.84800 | 10,668 m | | |
| TOROD | B213 | 30.28670 | 35,000 ft | 7 | - |
| FIX | AWY-HI | 106.75500 | 10,668 m | | |
| ANSAR | B213 | 30.65670 | 35,000 ft | 30 | - |
| FIX | AWY-HI | 106.35700 | 10,668 m | | |
| GAO | B213 | 30.81000 | 35,000 ft | 12 | NANCHONG |
| VOR | AWY-HI | 106.18800 | 10,668 m | | |
| VENON | W504 | 31.07000 | 35,000 ft | 78 | - |
| FIX | AWY-HI | 104.70300 | 10,668 m | | |
| DOREX | - | 31.24670 | 35,000 ft | 19 | - |
| FIX | - | 104.37500 | 10,668 m | | |
| OMBON | B330 | 33.35670 | 35,000 ft | 126 | - |
| FIX | AWY-HI | 104.27200 | 10,668 m | | |
| ELPAN | B330 | 34.97670 | 35,000 ft | 97 | - |
| FIX | AWY-HI | 104.19200 | 10,668 m | | |
| BESMI | B330 | 35.77670 | 35,000 ft | 48 | - |
| FIX | AWY-HI | 104.15200 | 10,668 m | | |
| XIXAN | B330 | 36.28000 | 35,000 ft | 30 | - |
| FIX | AWY-HI | 104.12500 | 10,668 m | | |
| SUNUV | B330 | 36.53000 | 35,000 ft | 15 | - |
| FIX | AWY-HI | 104.11300 | 10,668 m | | |
| JTA | B330 | 37.19670 | 35,000 ft | 40 | JINGTAI |
| VOR | AWY-HI | 104.08000 | 10,668 m | | |
| AKMAT | B330 | 37.60170 | 35,000 ft | 26 | - |

| Ident Type | Via | Lat Lon | Alt | Dist (nm) | Name |
|---------------|--------|------------|-----------|--------------|-------------------|
| FIX | AWY-HI | 103.84300 | 10,668 m | | |
| YBL | B330 | 39.42170 | 35,000 ft | 120 | YABRAI |
| VOR | AWY-HI | 102.77500 | 10,668 m | | |
| YBL | - | 39.42830 | 35,000 ft | 0 | YABRAI VOR-DME |
| DME | - | 102.77200 | 10,668 m | | |
| CHW | V67 | 39.85500 | 35,000 ft | 206 | JIAYUGUAN |
| VOR | AWY-HI | 98.35000 | 10,668 m | | |
| CHW | - | 39.85620 | 35,000 ft | 0 | JIAYUGUAN VOR-DME |
| DME | - | 98.34770 | 10,668 m | | |
| NUKTI | V67 | 41.86170 | 35,000 ft | 186 | - |
| FIX | AWY-HI | 95.20000 | 10,668 m | | |
| HAM | B215 | 42.84330 | 35,000 ft | 89 | TAOJIAGONG |
| VOR | AWY-HI | 93.66830 | 10,668 m | | |
| ODURI | W99 | 43.31330 | 35,000 ft | 79 | - |
| FIX | AWY-HI | 91.97830 | 10,668 m | | |
| IDOPU | W99 | 43.44000 | 35,000 ft | 20 | - |
| FIX | AWY-HI | 91.53000 | 10,668 m | | |
| DAKPA | W189 | 44.03000 | 35,000 ft | 35 | - |
| FIX | AWY-HI | 91.42330 | 10,668 m | | |
| ADPET | W188 | 44.41830 | 35,000 ft | 78 | - |
| FIX | AWY-HI | 89.69330 | 10,668 m | | |
| NIRAV | B206 | 45.87830 | 35,000 ft | 92 | - |
| FIX | AWY-HI | 88.98500 | 10,668 m | | |
| TAI | B206 | 47.74670 | 35,000 ft | 118 | ALTAY |
| VOR | AWY-HI | 88.08330 | 10,668 m | | |
| GOPTO | B206 | 49.09170 | 35,000 ft | 84 | - |
| FIX | AWY-HI | 87.46670 | 10,668 m | | |
| LANBI | B206 | 49.25360 | 35,000 ft | 9 | - |
| FIX | AWY-HI | 87.48110 | 10,668 m | | |
| ADOBA | A814 | 50.29030 | 35,000 ft | 66 | - |
| FIX | AWY-HI | 86.88190 | 10,668 m | | |
| ARNUL | A814 | 51.96720 | 35,000 ft | 107 | - |
| FIX | AWY-HI | 85.84940 | 10,668 m | | |
| RIPNI | W914 | 52.38330 | 35,000 ft | 40 | - |
| FIX | AWY-HI | 84.99440 | 10,668 m | | |
| AMRAD | W914 | 53.30060 | 35,000 ft | 90 | - |
| FIX | AWY-HI | 82.99940 | 10,668 m | | |
| IDERI | P983 | 53.59890 | 35,000 ft | 36 | - |
| FIX | AWY-HI | 82.10080 | 10,668 m | | |
| RALEG | A489 | 53.78890 | 35,000 ft | 23 | - |
| FIX | AWY-HI | 81.51080 | 10,668 m | | |
| LUMER | A489 | 54.02220 | 35,000 ft | 29 | - |
| FIX | AWY-HI | 80.76420 | 10,668 m | | |
| ABESA | A489 | 54.92720 | 35,000 ft | 122 | - |
| FIX | AWY-HI | 77.62750 | 10,668 m | | |
| OLAPA | A489 | 55.25890 | 35,000 ft | 35 | - |
| FIX | AWY-HI | 76.75580 | 10,668 m | | |
| UTARU | A489 | 55.49390 | 35,000 ft | 25 | - |
| FIX | AWY-HI | 76.12080 | 10,668 m | | |
| BEDNI | A489 | 55.67220 | 35,000 ft | 20 | - |
| FIX | AWY-HI | 75.60440 | 10,668 m | | |
| ML | A489 | 56.22580 | 35,000 ft | 65 | CHAPAYEVO |
| NDB | AWY-HI | 73.92940 | 10,668 m | | |
| RUDIM | R814 | 57.35190 | 35,000 ft | 122 | - |
| FIX | AWY-HI | 70.81390 | 10,668 m | | |
| NH | R814 | 58.14220 | 35,000 ft | 94 | TOBOLSK |

| Ident Type | Via | Lat Lon | Alt | Dist (nm) | Name |
|---------------|--------|------------|-----------|--------------|------|
| NDB | AWY-HI | 68.27580 | 10,668 m | | |
| UGLIT | A575 | 58.42080 | 35,000 ft | 65 | - |
| FIX | AWY-HI | 66.27560 | 10,668 m | | |
| UTORA | A575 | 58.71440 | 35,000 ft | 78 | - |
| FIX | AWY-HI | 63.84360 | 10,668 m | | |
| GIKES | A575 | 58.99190 | 35,000 ft | 71 | - |
| FIX | AWY-HI | 61.61940 | 10,668 m | | |
| ADANU | A303 | 59.58390 | 35,000 ft | 85 | - |
| FIX | AWY-HI | 59.08970 | 10,668 m | | |
| URILI | A303 | 59.72560 | 35,000 ft | 38 | - |
| FIX | AWY-HI | 57.85940 | 10,668 m | | |
| POBEM | A303 | 59.97330 | 35,000 ft | 75 | - |
| FIX | AWY-HI | 55.40220 | 10,668 m | | |
| ULMAT | B229 | 60.20970 | 35,000 ft | 72 | - |
| FIX | AWY-HI | 53.01750 | 10,668 m | | |
| RULOT | B229 | 60.43250 | 35,000 ft | 65 | - |
| FIX | AWY-HI | 50.85500 | 10,668 m | | |
| BEBET | R959 | 60.66500 | 35,000 ft | 34 | - |
| FIX | AWY-HI | 49.78970 | 10,668 m | | |
| LERTA | R959 | 60.90360 | 35,000 ft | 40 | - |
| FIX | AWY-HI | 48.49940 | 10,668 m | | |
| TEPNO | R959 | 60.90140 | 35,000 ft | 76 | - |
| FIX | AWY-HI | 45.87810 | 10,668 m | | |
| SANUL | R959 | 60.84670 | 35,000 ft | 78 | - |
| FIX | AWY-HI | 43.21110 | 10,668 m | | |
| ARNIM | R959 | 60.79720 | 35,000 ft | 52 | - |
| FIX | AWY-HI | 41.43440 | 10,668 m | | |
| ESAPA | R959 | 60.71280 | 35,000 ft | 60 | - |
| FIX | AWY-HI | 39.37530 | 10,668 m | | |
| OTLAS | R959 | 60.67190 | 35,000 ft | 23 | - |
| FIX | AWY-HI | 38.58830 | 10,668 m | | |
| DIBLU | G908 | 60.70560 | 35,000 ft | 35 | - |
| FIX | AWY-HI | 37.36580 | 10,668 m | | |
| RODEN | G908 | 60.73500 | 35,000 ft | 50 | - |
| FIX | AWY-HI | 35.64420 | 10,668 m | | |
| KUTUN | G908 | 60.82500 | 35,000 ft | 81 | - |
| FIX | AWY-HI | 32.87780 | 10,668 m | | |
| INLUR | G908 | 60.84030 | 35,000 ft | 21 | - |
| FIX | AWY-HI | 32.12860 | 10,668 m | | |
| BEBRA | G908 | 60.86060 | 35,000 ft | 49 | - |
| FIX | AWY-HI | 30.42780 | 10,668 m | | |
| RATLA | G908 | 60.85830 | 35,000 ft | 61 | - |
| FIX | AWY-HI | 28.33830 | 10,668 m | | |
| ARLOM | Y359 | 60.79030 | 35,000 ft | 18 | - |
| FIX | AWY-HI | 27.73140 | 10,668 m | | |
| VEPIN | Y359 | 60.63140 | 35,000 ft | 42 | - |
| FIX | AWY-HI | 26.33310 | 10,668 m | | |
| MAMOP | P606 | 60.57500 | 35,000 ft | 10 | - |
| FIX | AWY-HI | 25.98440 | 10,668 m | | |
| EVIRO | P606 | 60.37500 | 35,000 ft | 37 | - |
| FIX | AWY-HI | 24.79830 | 10,668 m | | |
| ADIVO | N872 | 60.29750 | 35,000 ft | 24 | - |
| FIX | AWY-HI | 23.98140 | 10,668 m | | |
| PEPIG | N872 | 60.14140 | 30,800 ft | 42 | - |
| FIX | AWY-HI | 22.59970 | 9,388 m | | |
| POGOK | N872 | 59.99110 | 22,800 ft | 37 | - |

| Ident Type | Via | Lat Lon | Alt | Dist (nm) | Name |
|---------------|--------|------------|---------|--------------|-------------------|
| FIX | AWY-HI | 21.38780 | 6,949 m | | |
| ESSA | - | 59.65190 | 0 ft | 106 | Stockholm Arlanda |
| APT | - | 17.91860 | 0 m | | |

VHHH

Region: HONG KONG
Timezone: UNKNOWN
Runways: 2

Elevation: 27 ft / 8 m
Location: 22.308900 113.915000
Magnetic Var: 3.242 W

METAR

VHHH 070330Z 10013KT 9999 FEW010 SCT018 27/23 Q1008 NOSIG

TAF

TAF VHHH 070200Z 0703/0809 12010KT 9999 FEW010 SCT020 TX29/0706Z TX29/0806Z TN26/0722Z TEMPO 0705/0709 24010KT TS

Frequencies

| | |
|---|---|
| REC - 128.20 MHz - D-ATIS | REC - 127.05 MHz - D-ATIS |
| GND - 121.60 MHz - HONG KONG GROUND | GND - 122.55 MHz - HONG KONG GROUND |
| GND - 121.87 MHz - HONG KONG GROUND | TWR - 118.20 MHz - HONG KONG TOWER |
| TWR - 118.40 MHz - HONG KONG TOWER | TWR - 118.70 MHz - HONG KONG TOWER |
| CLD - 124.65 MHz - HONG KONG CLEARANCE DELIVERY | CLD - 129.90 MHz - HONG KONG CLEARANCE DELIVERY |
| DEP - 122.00 MHz - HONG KONG DEPARTURE | DEP - 123.80 MHz - HONG KONG DEPARTURE |
| DEP - 124.05 MHz - HONG KONG DEPARTURE | APP - 119.10 MHz - HONG KONG APPROACH |
| APP - 119.35 MHz - HONG KONG APPROACH | APP - 119.55 MHz - HONG KONG DIRECT |

Runways

| Ident | Width | Length | Bearing (true) (mag) | Surface | Threshold Offset | Overrun Length |
|-------|--------|-----------|-------------------------|---------|---------------------|-------------------|
| 07L | 197 ft | 12,462 ft | 70.77 | ASPHALT | 554 ft | 974 ft |
| | 60 m | 3,799 m | 74.02 | | 169 m | 297 m |
| 25R | 197 ft | 12,462 ft | 250.79 | ASPHALT | 571 ft | 978 ft |
| | 60 m | 3,799 m | 254.03 | | 174 m | 298 m |
| 07R | 197 ft | 12,463 ft | 70.79 | ASPHALT | 518 ft | 886 ft |
| | 60 m | 3,799 m | 74.03 | | 158 m | 270 m |
| 25L | 197 ft | 12,463 ft | 250.80 | ASPHALT | 0 ft | 981 ft |
| | 60 m | 3,799 m | 254.04 | | 0 m | 299 m |

Approach Nav aids

| Runway | Type | Ident | Frequency | Range | Bearing (true) (mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 07L | DME | IZSL | 111.10 MHz | 18 nm | - | - | 18 ft |
| | | | | 33 km | - | | 18 m |
| 07R | DME | ISR | 109.30 MHz | 18 nm | - | - | 19 ft |
| | | | | 33 km | - | | 19 m |
| 25L | DME | IFL | 108.90 MHz | 18 nm | - | - | 19 ft |
| | | | | 33 km | - | | 19 m |
| 25R | DME | ITFR | 110.90 MHz | 18 nm | - | - | 19 ft |
| | | | | 33 km | - | | 19 m |
| 07L | LOC-ILS | IZSL | 111.10 MHz | 18 nm | 70.78 | - | 27 ft |
| | | | | 33 km | 74.02 | | 27 m |
| 07R | LOC-ILS | ISR | 109.30 MHz | 18 nm | 70.79 | - | 27 ft |
| | | | | 33 km | 74.03 | | 27 m |
| 25L | LOC-ILS | IFL | 108.90 MHz | 18 nm | 250.79 | - | 27 ft |
| | | | | 33 km | 254.03 | | 27 m |
| 25R | LOC-ILS | ITFR | 110.90 MHz | 18 nm | 250.78 | - | 27 ft |
| | | | | 33 km | 254.02 | | 27 m |
| 07L | GS | IZSL | 111.10 MHz | 10 nm | 70.78 | 3.00 | 27 ft |
| | | | | 19 km | 74.02 | | 27 m |

| Runway | Type | Ident | Frequency | Range | Bearing (true) (mag) | Slope | Elevation |
|--------|------|-------|------------|-------|-------------------------|-------|-----------|
| 07R | GS | ISR | 109.30 MHz | 10 nm | 70.79 | 3.00 | 27 ft |
| | | | | 19 km | 74.03 | | 27 m |
| 25L | GS | IFL | 108.90 MHz | 10 nm | 250.79 | 3.00 | 27 ft |
| | | | | 19 km | 254.03 | | 27 m |
| 25R | GS | ITFR | 110.90 MHz | 10 nm | 250.78 | 3.00 | 27 ft |
| | | | | 19 km | 254.02 | | 27 m |

ESSA

Region: SWEDEN
Timezone: EUROPE/STOCKHOLM
Runways: 3

Elevation: 138 ft / 42 m
Location: 59.651900 17.918600
Magnetic Var: 7.134 E

METAR

ESSA 070320Z 23005KT CAVOK 07/06 Q1012 NOSIG

TAF

TAF ESSA 070230Z 0703/0803 24008KT CAVOK TEMPO 0709/0717 SCT050TCU PROB40 0717/0721 SHRA BKN045CB

Frequencies

| | |
|--|--|
| REC - 119.00 MHz - ATIS | REC - 121.62 MHz - ATIS |
| APP - 123.75 MHz - STOCKHOLM CONTROL APPROACH | APP - 120.15 MHz - STOCKHOLM CONTROL APPROACH |
| APP - 126.65 MHz - STOCKHOLM CONTROL APPROACH | DEP - 123.75 MHz - STOCKHOLM CONTROL DEPARTURE |
| DEP - 120.15 MHz - STOCKHOLM CONTROL DEPARTURE | DEP - 126.65 MHz - STOCKHOLM CONTROL DEPARTURE |
| TWR - 118.50 MHz - ARLANDA TOWER | TWR - 125.12 MHz - ARLANDA TOWER |
| TWR - 128.72 MHz - ARLANDA TOWER | TWR - 123.10 MHz - ARLANDA TOWER |
| GND - 121.70 MHz - ARLANDA GROUND | GND - 121.97 MHz - ARLANDA GROUND |
| GND - 121.92 MHz - ARLANDA GROUND | CLD - 121.82 MHz - CLEARANCE DELIVERY |

Runways

| Ident | Width | Length | Bearing (true) (mag) | Surface | Threshold Offset | Overrun Length |
|-------|--------|-----------|-------------------------|---------|---------------------|-------------------|
| 01L | 148 ft | 10,817 ft | 10.38 | ASPHALT | 0 ft | 154 ft |
| | 45 m | 3,297 m | 3.24 | | 0 m | 47 m |
| 19R | 148 ft | 10,817 ft | 190.38 | ASPHALT | 0 ft | 164 ft |
| | 45 m | 3,297 m | 183.25 | | 0 m | 50 m |
| 01R | 148 ft | 8,151 ft | 10.38 | ASPHALT | 0 ft | 223 ft |
| | 45 m | 2,484 m | 3.24 | | 0 m | 68 m |
| 19L | 148 ft | 8,151 ft | 190.38 | ASPHALT | 0 ft | 0 ft |
| | 45 m | 2,484 m | 183.25 | | 0 m | 0 m |
| 08 | 148 ft | 8,180 ft | 75.84 | ASPHALT | 0 ft | 161 ft |
| | 45 m | 2,493 m | 68.71 | | 0 m | 49 m |
| 26 | 148 ft | 8,180 ft | 255.88 | ASPHALT | 0 ft | 161 ft |
| | 45 m | 2,493 m | 248.75 | | 0 m | 49 m |

Approach Nav aids

| Runway | Type | Ident | Frequency | Range | Bearing (true) (mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 01L | LOC-ILS | SSA | 109.90 MHz | 18 nm | 10.38 | - | 138 ft |
| | | | | 33 km | 3.25 | | 138 m |
| 01R | LOC-ILS | TSA | 109.35 MHz | 18 nm | 10.38 | - | 138 ft |
| | | | | 33 km | 3.25 | | 138 m |
| 19L | LOC-ILS | USA | 111.35 MHz | 18 nm | 190.38 | - | 138 ft |
| | | | | 33 km | 183.25 | | 138 m |
| 19R | LOC-ILS | NSA | 110.70 MHz | 18 nm | 190.38 | - | 138 ft |
| | | | | 33 km | 183.25 | | 138 m |
| 26 | LOC-ILS | ESA | 110.10 MHz | 18 nm | 255.86 | - | 138 ft |
| | | | | 33 km | 248.73 | | 138 m |
| 08 | LOC-LOC | WSA | 109.55 MHz | 18 nm | 75.86 | - | 138 ft |
| | | | | 33 km | 68.73 | | 138 m |
| 01L | GS | SSA | 109.90 MHz | 10 nm | 10.38 | 3.00 | 138 ft |
| | | | | 19 km | 3.25 | | 138 m |

| Runway | Type | Ident | Frequency | Range | Bearing (true) (mag) | Slope | Elevation |
|--------|------|-------|------------|-------|-------------------------|-------|-----------|
| 01R | GS | TSA | 109.35 MHz | 10 nm | 10.38 | 3.00 | 138 ft |
| | | | | 19 km | 3.25 | | 138 m |
| 19L | GS | USA | 111.35 MHz | 10 nm | 190.38 | 3.00 | 138 ft |
| | | | | 19 km | 183.25 | | 138 m |
| 19R | GS | NSA | 110.70 MHz | 10 nm | 190.38 | 3.00 | 138 ft |
| | | | | 19 km | 183.25 | | 138 m |
| 26 | GS | ESA | 110.10 MHz | 10 nm | 255.86 | 3.00 | 138 ft |
| | | | | 19 km | 248.73 | | 138 m |