

KCLT

Charlotte Douglas Intl

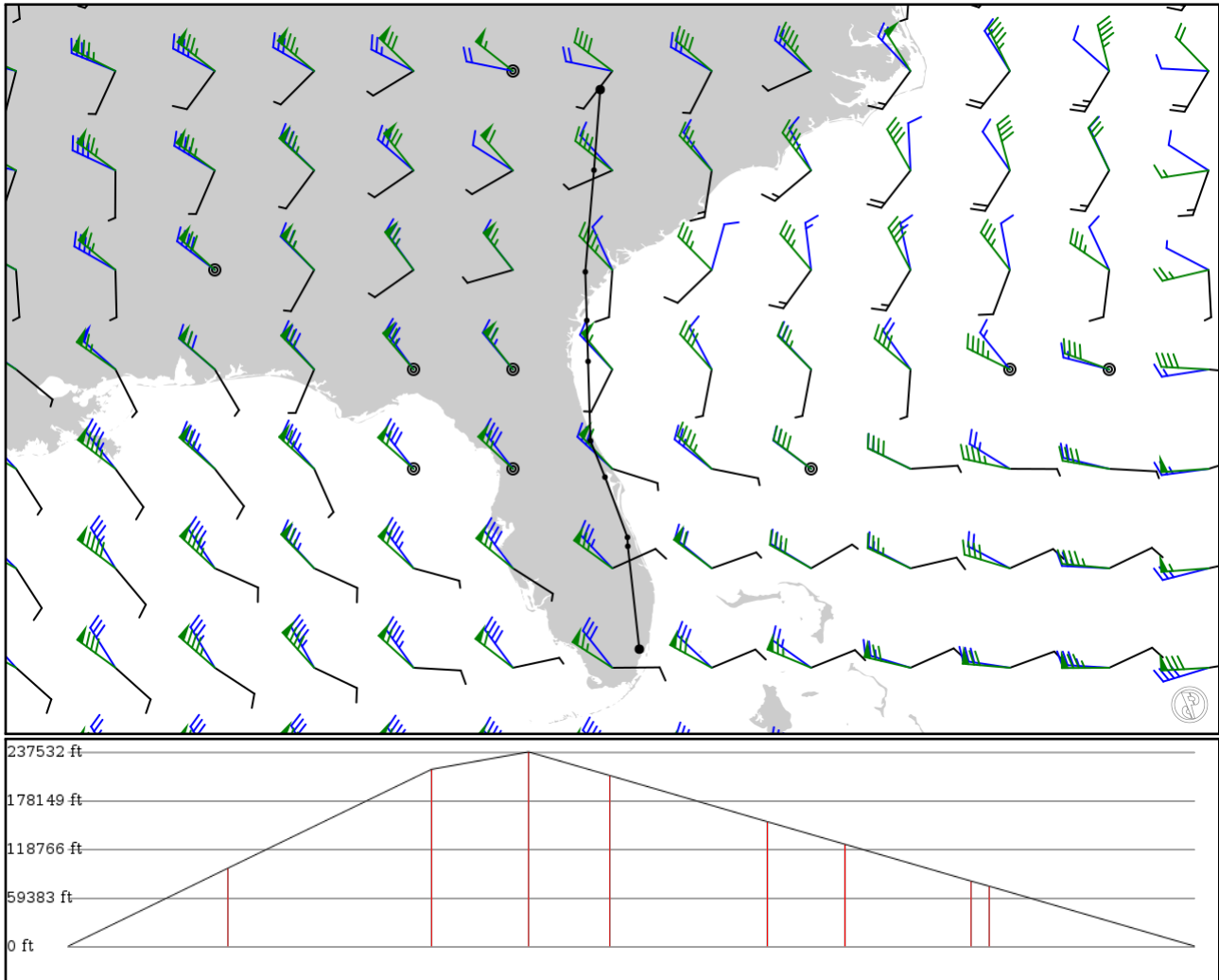
KMIA

Miami Intl

2024/05/10 0158Z

KCLT CAE J51 SAV J103 OMN J79 TRV V159 BIWIK KMIA

572.00 nm / 1059.35 km



Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 300kts
- Cruise Altitude: 260000ft
- Cruise Speed: 420kts
- Descent Rate: 1500ft/min
- Descent Speed: 250kts

Options:

- Use NATs: yes
- Use PACOTS: yes
- Use low airways: yes
- Use high airways: yes

Route

| Ident Type | Via | Lat Lon | Alt | Dist (nm) | Name |
|---------------|----------------|-----------------------|-----------------------|--------------|------------------------|
| KCLT APT | - | 35.21380 -80.94850 | 0 ft 0 m | - | Charlotte Douglas Intl |
| CAE VOR | - | 33.85730 -81.05390 | 29,100 ft 8,870 m | 81 | COLUMBIA |
| SAV VOR | J51 AWY-HI | 32.14630 -81.19910 | 65,900 ft 20,086 m | 103 | SAVANNAH |
| MILIE FIX | J103 AWY-HI | 31.32860 -81.17370 | 72,400 ft 22,068 m | 49 | - |
| BEENO FIX | J103 AWY-HI | 30.63940 -81.15260 | 63,600 ft 19,385 m | 41 | - |
| OMN VOR | J103 AWY-HI | 29.30330 -81.11270 | 46,400 ft 14,143 m | 80 | ORMOND BEACH |
| MALET FIX | J79 AWY-HI | 28.69160 -80.86790 | 38,000 ft 11,582 m | 38 | - |
| TRV VOR | J79 AWY-HI | 27.67840 -80.48970 | 24,300 ft 7,407 m | 64 | TREASURE (VERO BEACH) |
| BIWIK FIX | V159 AWY-LO | 27.52810 -80.48380 | 22,400 ft 6,828 m | 9 | - |
| KMIA APT | - | 25.79620 -80.28970 | 0 ft 0 m | 104 | Miami Intl |

KCLT

Region: UNITED STATES
Timezone: AMERICA/NEW_YORK
Runways: 4

Elevation: 748 ft / 228 m
Location: 35.213800 -80.948500
Magnetic Var: 8.054 W

METAR

KCLT 100052Z 24008KT 10SM FEW022 FEW250 21/18 A2973 RMK A02 SLP074 T02110178 \$

TAF

KCLT 092335Z 1000/1106 23006KT P6SM SCT250 FM101000 24004KT P6SM FEW003 BKN150 FM101400 23008KT P6SM BKN050 FM101

Frequencies

| | |
|--|--|
| REC - 121.15 MHz - ATIS (ARRIVAL) | REC - 132.10 MHz - ATIS (DEPARTURE) |
| COM - 122.95 MHz - UNICOM | CLD - 127.15 MHz - CLEARANCE DELIVERY |
| GND - 121.80 MHz - CHARLOTTE GROUND | GND - 121.90 MHz - CHARLOTTE GROUND |
| TWR - 133.35 MHz - CHARLOTTE TOWER | TWR - 126.40 MHz - CHARLOTTE TOWER |
| TWR - 118.10 MHz - CHARLOTTE TOWER | DEP - 134.75 MHz - CHARLOTTE DEPARTURE |
| DEP - 128.32 MHz - CHARLOTTE DEPARTURE | DEP - 124.00 MHz - CHARLOTTE DEPARTURE |
| DEP - 120.50 MHz - CHARLOTTE DEPARTURE | DEP - 120.05 MHz - CHARLOTTE DEPARTURE |
| APP - 134.75 MHz - CHARLOTTE APPROACH | APP - 128.32 MHz - CHARLOTTE APPROACH |
| APP - 126.15 MHz - CHARLOTTE APPROACH | APP - 124.00 MHz - CHARLOTTE APPROACH |
| APP - 120.50 MHz - CHARLOTTE APPROACH | APP - 120.05 MHz - CHARLOTTE APPROACH |

Runways

| Ident | Width | Length | Bearing (true) (mag) | Surface | Threshold Offset | Overrun Length |
|-------|--------|-----------|-------------------------|----------|---------------------|-------------------|
| 18R | 151 ft | 9,008 ft | 175.98 | CONCRETE | 0 ft | 0 ft |
| | 46 m | 2,746 m | 184.04 | | 0 m | 0 m |
| 36L | 151 ft | 9,008 ft | 355.98 | CONCRETE | 0 ft | 0 ft |
| | 46 m | 2,746 m | 4.04 | | 0 m | 0 m |
| 18C | 151 ft | 10,009 ft | 175.98 | CONCRETE | 0 ft | 0 ft |
| | 46 m | 3,051 m | 184.03 | | 0 m | 0 m |
| 36C | 151 ft | 10,009 ft | 355.98 | CONCRETE | 0 ft | 0 ft |
| | 46 m | 3,051 m | 4.04 | | 0 m | 0 m |
| 18L | 151 ft | 8,686 ft | 176.00 | ASPHALT | 0 ft | 0 ft |
| | 46 m | 2,648 m | 184.05 | | 0 m | 0 m |
| 36R | 151 ft | 8,686 ft | 356.00 | ASPHALT | 0 ft | 0 ft |
| | 46 m | 2,648 m | 4.05 | | 0 m | 0 m |
| 05 | 151 ft | 7,510 ft | 48.35 | ASPHALT | 0 ft | 148 ft |
| | 46 m | 2,289 m | 56.40 | | 0 m | 45 m |
| 23 | 151 ft | 7,510 ft | 228.36 | ASPHALT | 0 ft | 148 ft |
| | 46 m | 2,289 m | 236.41 | | 0 m | 45 m |

Approach Nav aids

| Runway | Type | Ident | Frequency | Range | Bearing (true) (mag) | Slope | Elevation |
|--------|------|-------|------------|-------|-------------------------|-------|-----------|
| 18R | DME | IRGS | 110.15 MHz | 18 nm | - | - | 749 ft |
| | | | | 33 km | - | | 749 m |
| 23 | DME | IAPU | 109.50 MHz | 18 nm | - | - | 749 ft |
| | | | | 33 km | - | | 749 m |
| 36L | DME | IXUU | 110.15 MHz | 18 nm | - | - | 749 ft |
| | | | | 33 km | - | | 749 m |
| 36R | DME | IBQC | 108.90 MHz | 18 nm | - | - | 749 ft |
| | | | | 33 km | - | | 749 m |

| Runway | Type | Ident | Frequency | Range | Bearing (true) (mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 05 | LOC-ILS | ICLT | 110.95 MHz | 18 nm | 48.37 | - | 749 ft |
| | | | | 33 km | 56.42 | | 749 m |
| 18C | LOC-ILS | IPEP | 111.30 MHz | 18 nm | 175.98 | - | 748 ft |
| | | | | 33 km | 184.03 | | 748 m |
| 18L | LOC-ILS | IVKQ | 110.35 MHz | 18 nm | 176.00 | - | 748 ft |
| | | | | 33 km | 184.05 | | 748 m |
| 18R | LOC-ILS | IRGS | 110.15 MHz | 18 nm | 175.98 | - | 748 ft |
| | | | | 33 km | 184.03 | | 748 m |
| 23 | LOC-ILS | IAPU | 109.50 MHz | 18 nm | 228.35 | - | 748 ft |
| | | | | 33 km | 236.40 | | 748 m |
| 36C | LOC-ILS | IDQG | 111.70 MHz | 18 nm | 355.98 | - | 748 ft |
| | | | | 33 km | 4.03 | | 748 m |
| 36L | LOC-ILS | IXUU | 110.15 MHz | 18 nm | 355.98 | - | 748 ft |
| | | | | 33 km | 4.03 | | 748 m |
| 36R | LOC-ILS | IBQC | 108.90 MHz | 18 nm | 356.00 | - | 748 ft |
| | | | | 33 km | 4.05 | | 748 m |
| 05 | GS | ICLT | 110.95 MHz | 10 nm | 48.35 | 3.00 | 748 ft |
| | | | | 19 km | 56.40 | | 748 m |
| 18C | GS | IPEP | 111.30 MHz | 10 nm | 175.98 | 3.00 | 748 ft |
| | | | | 19 km | 184.03 | | 748 m |
| 18L | GS | IVKQ | 110.35 MHz | 10 nm | 176.00 | 3.00 | 748 ft |
| | | | | 19 km | 184.05 | | 748 m |
| 18R | GS | IRGS | 110.15 MHz | 10 nm | 175.98 | 3.00 | 748 ft |
| | | | | 19 km | 184.03 | | 748 m |
| 23 | GS | IAPU | 109.50 MHz | 10 nm | 228.35 | 3.00 | 748 ft |
| | | | | 19 km | 236.40 | | 748 m |
| 36C | GS | IDQG | 111.70 MHz | 10 nm | 355.98 | 3.00 | 748 ft |
| | | | | 19 km | 4.03 | | 748 m |
| 36L | GS | IXUU | 110.15 MHz | 10 nm | 355.98 | 3.00 | 748 ft |
| | | | | 19 km | 4.03 | | 748 m |
| 36R | GS | IBQC | 108.90 MHz | 10 nm | 356.00 | 3.00 | 748 ft |
| | | | | 19 km | 4.05 | | 748 m |

KMIA

Region: UNITED STATES
Timezone: AMERICA/NEW_YORK
Runways: 4

Elevation: 11 ft / 3 m
Location: 25.796200 -80.289700
Magnetic Var: 7.273 W

METAR

KMIA 100053Z 17006KT 10SM FEW030 27/21 A2993 RMK AO2 SLP136 T02670211

TAF

TAF KMIA 092320Z 1000/1106 17009KT P6SM SKC FM100400 VRB04KT P6SM SKC FM101400 20011G18KT P6SM FEW030 SCT050 FM10

Frequencies

| | |
|------------------------------------|---------------------------------------|
| REC - 119.15 MHz - D-ATIS | REC - 133.67 MHz - D-ATIS |
| COM - 123.00 MHz - UNICOM | CLD - 135.35 MHz - CLEARANCE DELIVERY |
| GND - 121.80 MHz - MIAMI GROUND | GND - 127.50 MHz - MIAMI GROUND |
| TWR - 118.30 MHz - MIAMI TOWER | TWR - 123.90 MHz - MIAMI TOWER |
| APP - 120.50 MHz - MIAMI APPROACH | APP - 124.85 MHz - MIAMI APPROACH |
| APP - 125.75 MHz - MIAMI APPROACH | DEP - 119.45 MHz - MIAMI DEPARTURE |
| DEP - 125.50 MHz - MIAMI DEPARTURE | |

Runways

| Ident | Width | Length | Bearing (true) (mag) | Surface | Threshold Offset | Overrun Length |
|-------|--------|-----------|-------------------------|----------|---------------------|-------------------|
| 09 | 151 ft | 13,027 ft | 87.37 | CONCRETE | 1,371 ft | 384 ft |
| | 46 m | 3,971 m | 94.64 | | 418 m | 117 m |
| 27 | 151 ft | 13,027 ft | 267.39 | CONCRETE | 276 ft | 374 ft |
| | 46 m | 3,971 m | 274.66 | | 84 m | 114 m |
| 08R | 200 ft | 10,515 ft | 87.38 | CONCRETE | 0 ft | 407 ft |
| | 61 m | 3,205 m | 94.65 | | 0 m | 124 m |
| 26L | 200 ft | 10,515 ft | 267.39 | CONCRETE | 0 ft | 407 ft |
| | 61 m | 3,205 m | 274.66 | | 0 m | 124 m |
| 08L | 151 ft | 8,607 ft | 87.38 | CONCRETE | 0 ft | 387 ft |
| | 46 m | 2,624 m | 94.65 | | 0 m | 118 m |
| 26R | 151 ft | 8,607 ft | 267.39 | CONCRETE | 0 ft | 387 ft |
| | 46 m | 2,624 m | 274.66 | | 0 m | 118 m |
| 12 | 151 ft | 9,366 ft | 119.61 | CONCRETE | 0 ft | 397 ft |
| | 46 m | 2,855 m | 126.88 | | 0 m | 121 m |
| 30 | 151 ft | 9,366 ft | 299.62 | CONCRETE | 948 ft | 0 ft |
| | 46 m | 2,855 m | 306.89 | | 289 m | 0 m |

Approach Nav aids

| Runway | Type | Ident | Frequency | Range | Bearing (true) (mag) | Slope | Elevation |
|--------|------|-------|------------|-------|-------------------------|-------|-----------|
| 08L | DME | IROY | 109.30 MHz | 18 nm | - | - | 8 ft |
| | | | | 33 km | - | | 8 m |
| 08R | DME | IMFA | 110.30 MHz | 18 nm | - | - | 8 ft |
| | | | | 33 km | - | | 8 m |
| 12 | DME | IGEM | 108.90 MHz | 18 nm | - | - | 14 ft |
| | | | | 33 km | - | | 14 m |
| 26L | DME | IVIN | 109.10 MHz | 18 nm | - | - | 12 ft |
| | | | | 33 km | - | | 12 m |
| 26R | DME | ICNV | 109.30 MHz | 18 nm | - | - | 8 ft |
| | | | | 33 km | - | | 8 m |

| Runway | Type | Ident | Frequency | Range | Bearing (true) (mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 30 | DME | IDCX | 111.70 MHz | 18 nm | - | - | 8 ft |
| | | | | 33 km | - | | 8 m |
| 08R | LOC-ILS | IMFA | 110.30 MHz | 18 nm | 87.37 | - | 4 ft |
| | | | | 33 km | 94.64 | | 4 m |
| 09 | LOC-ILS | IBUL | 110.90 MHz | 18 nm | 87.37 | - | 4 ft |
| | | | | 33 km | 94.64 | | 4 m |
| 12 | LOC-ILS | IGEM | 108.90 MHz | 18 nm | 119.60 | - | 4 ft |
| | | | | 33 km | 126.87 | | 4 m |
| 26L | LOC-ILS | IVIN | 109.10 MHz | 18 nm | 267.37 | - | 4 ft |
| | | | | 33 km | 274.64 | | 4 m |
| 27 | LOC-ILS | IMIA | 109.50 MHz | 18 nm | 267.37 | - | 4 ft |
| | | | | 33 km | 274.64 | | 4 m |
| 30 | LOC-ILS | IDCX | 111.70 MHz | 18 nm | 299.60 | - | 4 ft |
| | | | | 33 km | 306.87 | | 4 m |
| 08L | LOC-LOC | IROY | 109.30 MHz | 18 nm | 87.36 | - | 4 ft |
| | | | | 33 km | 94.63 | | 4 m |
| 26R | LOC-LOC | ICNV | 109.30 MHz | 18 nm | 267.36 | - | 4 ft |
| | | | | 33 km | 274.63 | | 4 m |
| 08R | GS | IMFA | 110.30 MHz | 10 nm | 87.37 | 3.00 | 4 ft |
| | | | | 19 km | 94.64 | | 4 m |
| 09 | GS | IBUL | 110.90 MHz | 10 nm | 87.37 | 3.00 | 4 ft |
| | | | | 19 km | 94.64 | | 4 m |
| 12 | GS | IGEM | 108.90 MHz | 10 nm | 119.60 | 3.00 | 4 ft |
| | | | | 19 km | 126.87 | | 4 m |
| 26L | GS | IVIN | 109.10 MHz | 10 nm | 267.37 | 3.00 | 4 ft |
| | | | | 19 km | 274.64 | | 4 m |
| 27 | GS | IMIA | 109.50 MHz | 10 nm | 267.37 | 3.00 | 4 ft |
| | | | | 19 km | 274.64 | | 4 m |
| 30 | GS | IDCX | 111.70 MHz | 10 nm | 299.60 | 3.00 | 4 ft |
| | | | | 19 km | 306.87 | | 4 m |