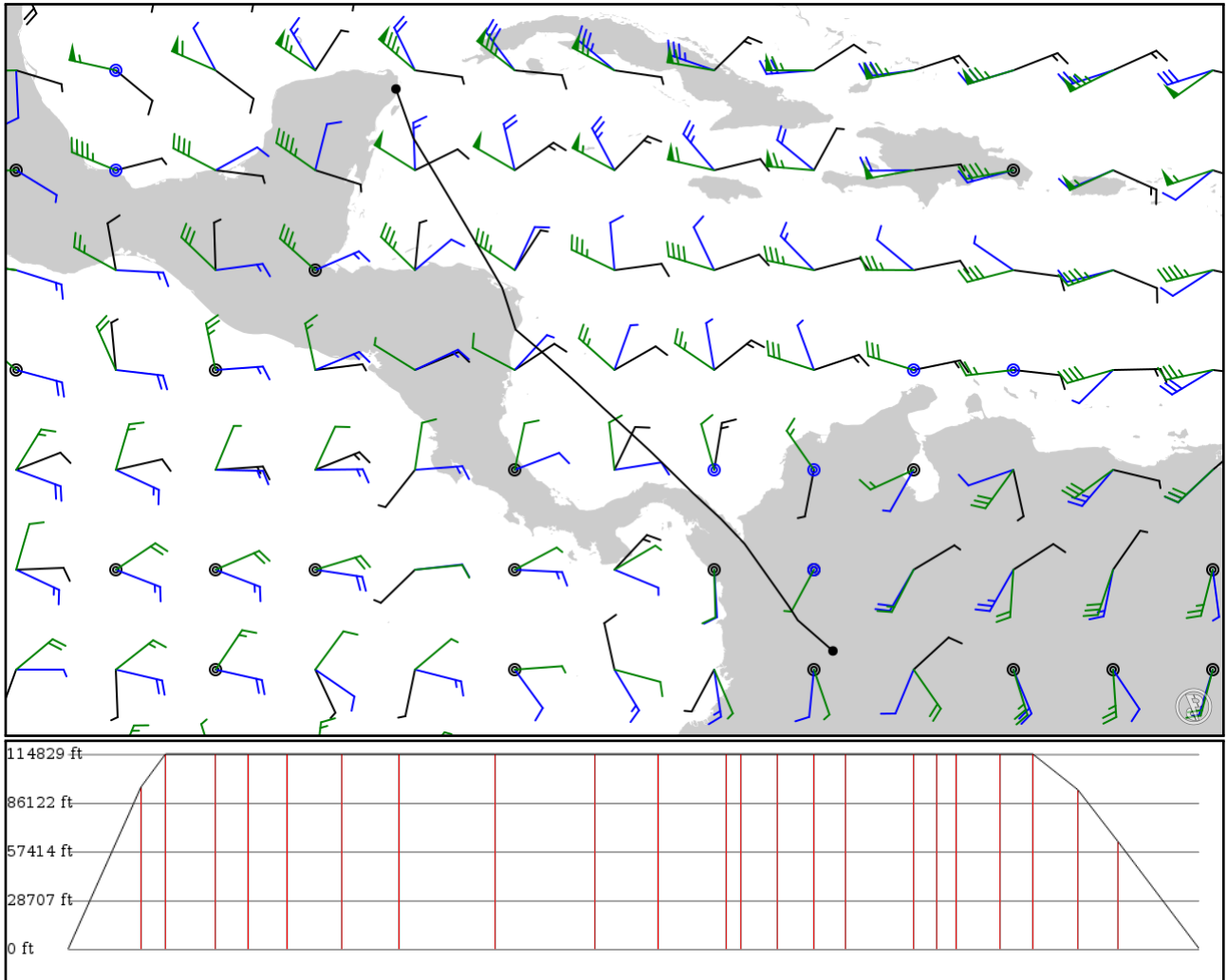


2024/06/05 0347Z

SKBO RENOS **A323** RNG **B689** SPP SPP **A552** PZA **R899** KITIS **A766** SIGMA MMUN

1253.80 nm / 2322.04 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: yes
- Use PACOTS: no
- Use low airways: yes
- Use high airways: no

Route

| Ident Type | Via | Lat Lon | Alt | Dist (nm) | Name |
|---------------|----------------|-----------------------|-----------------------|--------------|---------------------|
| SKBO APT | - | 4.70160 -74.14700 | 0 ft 0 m | - | El Dorado Intl |
| RENOS FIX | - | 5.59611 -75.17250 | 29,100 ft 8,870 m | 81 | - |
| RNG VOR | A323 AWY-LO | 5.98056 -75.41830 | 35,000 ft 10,668 m | 27 | RIONEGRO (MEDELLIN) |
| OPMEL FIX | B689 AWY-LO | 6.73667 -75.95310 | 35,000 ft 10,668 m | 55 | - |
| REMUKE FIX | B689 AWY-LO | 7.22194 -76.29750 | 35,000 ft 10,668 m | 35 | - |
| LCE VOR | B689 AWY-LO | 7.81790 -76.72190 | 35,000 ft 10,668 m | 43 | LOS CEDROS |
| KAKOL FIX | B689 AWY-LO | 8.54694 -77.41500 | 35,000 ft 10,668 m | 60 | - |
| PONPO FIX | B689 AWY-LO | 9.27011 -78.19970 | 35,000 ft 10,668 m | 63 | - |
| MARMA FIX | B689 AWY-LO | 10.50940 -79.46640 | 35,000 ft 10,668 m | 105 | - |
| BODED FIX | B689 AWY-LO | 11.76670 -80.83500 | 35,000 ft 10,668 m | 110 | - |
| SPP DME | B689 AWY-LO | 12.58250 -81.70500 | 35,000 ft 10,668 m | 70 | SAN ANDRES VOR-DME |
| SPP VOR | - - | 12.58250 -81.70530 | 35,000 ft 10,668 m | 0 | SAN ANDRES |
| FALLA FIX | A552 AWY-LO | 13.43330 -82.66670 | 35,000 ft 10,668 m | 75 | - |
| TULOR FIX | A552 AWY-LO | 13.60670 -82.87030 | 35,000 ft 10,668 m | 15 | - |
| PZA VOR | A552 AWY-LO | 14.04520 -83.38830 | 35,000 ft 10,668 m | 40 | PUERTO CABEZAS |
| BILWA FIX | R899 AWY-LO | 14.68500 -83.59330 | 35,000 ft 10,668 m | 40 | - |
| KITIS FIX | R899 AWY-LO | 15.25940 -83.77860 | 35,000 ft 10,668 m | 36 | - |
| LERIK FIX | A766 AWY-LO | 16.34030 -84.40780 | 35,000 ft 10,668 m | 74 | - |
| CORAL FIX | A766 AWY-LO | 16.71580 -84.62810 | 35,000 ft 10,668 m | 25 | - |
| ILONA FIX | A766 AWY-LO | 17.04000 -84.81830 | 35,000 ft 10,668 m | 22 | - |
| MELDA FIX | A766 AWY-LO | 17.73500 -85.23170 | 35,000 ft 10,668 m | 47 | - |
| IRGOL FIX | A766 AWY-LO | 18.27000 -85.55170 | 35,000 ft 10,668 m | 36 | - |
| KELVO FIX | A766 AWY-LO | 18.98830 -85.98500 | 28,600 ft 8,717 m | 49 | - |
| SIGMA FIX | A766 AWY-LO | 19.61720 -86.36670 | 19,300 ft 5,883 m | 43 | - |
| MMUN APT | - | 21.04210 -86.87350 | 0 ft 0 m | 90 | Cancun Intl |

SKBO

Region: COLOMBIA
Timezone: AMERICA/BOGOTA
Runways: 2

Elevation: 8,358 ft / 2,548 m
Location: 4.701600 -74.147000
Magnetic Var: 8.202 W

METAR

SKBO 050300Z 10004KT 9999 VCSH SCT020 12/11 Q1030 TEMPO DZ

TAF

TAF SKBO 042230Z 0500/0524 16008KT 9999 SCT015 BECMG 0500/0504 VRB02KT BECMG 0513/0515 16012KT SCT023 PROB40 TEMP

Frequencies

| | |
|-------------------------------------|-------------------------------------|
| REC - 127.80 MHz - ATIS | TWR - 118.10 MHz - EL DORADO TOWER |
| TWR - 118.25 MHz - EL DORADO TOWER | GND - 121.80 MHz - EL DORADO GROUND |
| GND - 122.75 MHz - EL DORADO GROUND | APP - 121.30 MHz - BOGOTA APPROACH |
| APP - 119.50 MHz - BOGOTA APPROACH | APP - 119.65 MHz - BOGOTA APPROACH |
| APP - 119.95 MHz - BOGOTA APPROACH | |

Runways

| Ident | Width | Length | Bearing (true) (mag) | Surface | Threshold Offset | Overrun Length |
|-------|--------|-----------|-------------------------|---------|---------------------|-------------------|
| 13R | 151 ft | 12,479 ft | 127.23 | ASPHALT | 0 ft | 203 ft |
| | 46 m | 3,804 m | 135.44 | | 0 m | 62 m |
| 31L | 151 ft | 12,479 ft | 307.24 | ASPHALT | 0 ft | 203 ft |
| | 46 m | 3,804 m | 315.44 | | 0 m | 62 m |
| 13L | 151 ft | 12,479 ft | 127.24 | ASPHALT | 0 ft | 98 ft |
| | 46 m | 3,804 m | 135.44 | | 0 m | 30 m |
| 31R | 151 ft | 12,479 ft | 307.24 | ASPHALT | 0 ft | 98 ft |
| | 46 m | 3,804 m | 315.44 | | 0 m | 30 m |

Approach Nav aids

| Runway | Type | Ident | Frequency | Range | Bearing (true) (mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 13L | DME | IEDR | 111.30 MHz | 18 nm | - | - | 8,361 ft |
| | | | | 33 km | - | | 8,361 m |
| 13R | DME | IADO | 110.70 MHz | 18 nm | - | - | 8,361 ft |
| | | | | 33 km | - | | 8,361 m |
| 13L | LOC-ILS | IEDR | 111.30 MHz | 18 nm | 127.24 | - | 8,358 ft |
| | | | | 33 km | 135.44 | | 8,358 m |
| 13R | LOC-ILS | IADO | 110.70 MHz | 18 nm | 127.24 | - | 8,358 ft |
| | | | | 33 km | 135.44 | | 8,358 m |
| 13L | GS | IEDR | 111.30 MHz | 10 nm | 127.24 | 3.00 | 8,358 ft |
| | | | | 19 km | 135.44 | | 8,358 m |
| 13R | GS | IADO | 110.70 MHz | 10 nm | 127.24 | 3.00 | 8,358 ft |
| | | | | 19 km | 135.44 | | 8,358 m |

MMUN

Region: MEXICO
Timezone: AMERICA/CANCUN
Runways: 2

Elevation: 22 ft / 7 m
Location: 21.042100 -86.873500
Magnetic Var: 2.729 W

METAR

MMUN 050249Z 13005KT 7SM FEW015 29/24 A2985 RMK SLP110 52016 952 8/500

TAF

TAF MMUN 042333Z 0500/0600 15010KT P6SM SCT015 TX33/0519Z TN25/0512Z BECMG 0502/0504 BKN015 TEMPO 0512/0516 5SM R

Frequencies

| | |
|---------------------------------------|--|
| REC - 127.70 MHz - ATIS | REC - 122.30 MHz - CANCUN INFO |
| GND - 121.00 MHz - CANCUN GROUND | GND - 121.70 MHz - CANCUN GROUND |
| TWR - 118.10 MHz - CANCUN TOWER | TWR - 118.60 MHz - CANCUN TOWER |
| CLD - 122.10 MHz - CLEARANCE DELIVERY | APP - 124.70 MHz - CANCUN APPROACH |
| APP - 123.20 MHz - CANCUN ARRIVAL | DEP - 124.20 MHz - CANCUN DEPARTURE |
| DEP - 123.50 MHz - CANCUN DEPARTURE | GND - 130.50 MHz - GENERAL AVIATION RAMP CONTROL |
| APP - 125.20 MHz - MERIDA CONTROL | APP - 125.80 MHz - MERIDA CONTROL |
| APP - 128.00 MHz - MERIDA CONTROL | |

Runways

| Ident | Width | Length | Bearing (true) (mag) | Surface | Threshold Offset | Overrun Length |
|-------|--------|-----------|-------------------------|---------|---------------------|-------------------|
| 12R | 190 ft | 11,550 ft | 123.85 | ASPHALT | 0 ft | 476 ft |
| | 58 m | 3,520 m | 126.58 | | 0 m | 145 m |
| 30L | 190 ft | 11,550 ft | 303.86 | ASPHALT | 0 ft | 443 ft |
| | 58 m | 3,520 m | 306.59 | | 0 m | 135 m |
| 12L | 148 ft | 9,189 ft | 123.84 | ASPHALT | 0 ft | 72 ft |
| | 45 m | 2,801 m | 126.56 | | 0 m | 22 m |
| 30R | 148 ft | 9,189 ft | 303.84 | ASPHALT | 0 ft | 98 ft |
| | 45 m | 2,801 m | 306.57 | | 0 m | 30 m |

Approach Nav aids

| Runway | Type | Ident | Frequency | Range | Bearing (true) (mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 12L | DME | INCP | 110.70 MHz | 18 nm | - | - | 20 ft |
| | | | | 33 km | - | | 20 m |
| 12R | DME | ICUN | 111.10 MHz | 18 nm | - | - | 20 ft |
| | | | | 33 km | - | | 20 m |
| 12L | LOC-ILS | INCP | 110.70 MHz | 18 nm | 123.84 | - | 21 ft |
| | | | | 33 km | 126.57 | | 21 m |
| 12R | LOC-ILS | ICUN | 111.10 MHz | 18 nm | 123.85 | - | 21 ft |
| | | | | 33 km | 126.58 | | 21 m |
| 12L | GS | INCP | 110.70 MHz | 10 nm | 123.84 | 3.00 | 21 ft |
| | | | | 19 km | 126.57 | | 21 m |
| 12R | GS | ICUN | 111.10 MHz | 10 nm | 123.85 | 3.00 | 21 ft |
| | | | | 19 km | 126.58 | | 21 m |