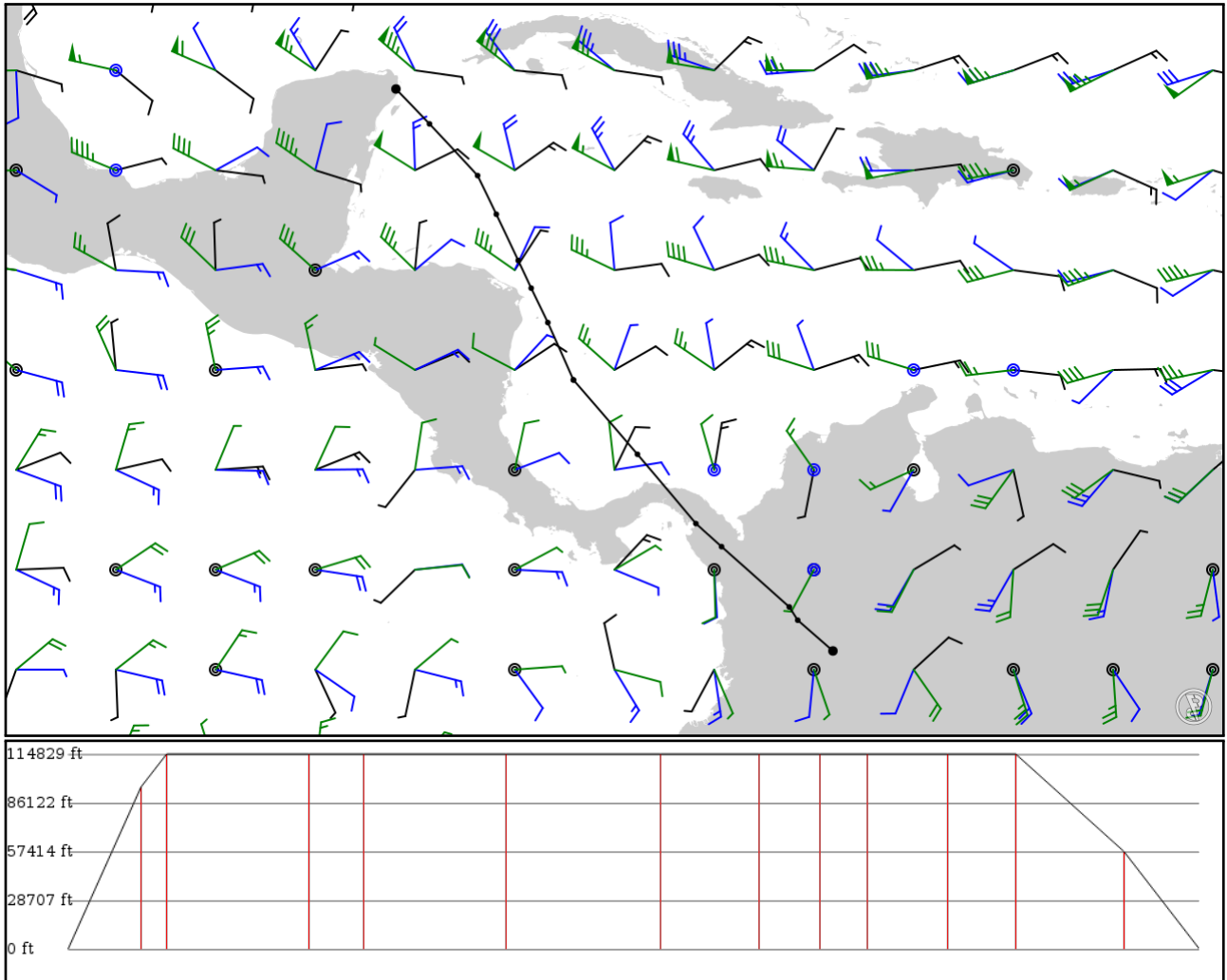


2024/06/04 1439Z

SKBO RENOS A323 RNG UG447 SPP SPP UA321 OMIRO UM782 TAKUX MMUN

1248.27 nm / 2311.80 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: yes
- Use low airways: yes
- Use high airways: yes

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)
ARORO FIX	UG447 AWY-HI	7.73472 -77.39140	35,000 ft 10,668 m	157	-
PML VOR	UG447 AWY-HI	8.40622 -78.13860	35,000 ft 10,668 m	60	LA PALMA
SEKMA FIX	UG447 AWY-HI	10.41960 -79.84060	35,000 ft 10,668 m	157	-
SPP DME	UG447 AWY-HI	12.58250 -81.70500	35,000 ft 10,668 m	170	SAN ANDRES VOR-DME
SPP VOR	-	12.58250 -81.70530	35,000 ft 10,668 m	0	SAN ANDRES
PELRA FIX	UA321 AWY-HI	14.25110 -82.45000	35,000 ft 10,668 m	109	-
CRUTA FIX	UA321 AWY-HI	15.25220 -82.93470	35,000 ft 10,668 m	66	-
BONOS FIX	UA321 AWY-HI	16.05670 -83.31220	35,000 ft 10,668 m	53	-
CISNE FIX	UA321 AWY-HI	17.40000 -83.95000	35,000 ft 10,668 m	88	-
OMIRO FIX	UA321 AWY-HI	18.52500 -84.49500	35,000 ft 10,668 m	74	-
TAKUX FIX	UM782 AWY-HI	20.02690 -85.89610	17,500 ft 5,334 m	120	-
MMUN APT	-	21.04210 -86.87350	0 ft 0 m	82	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 041400Z 16009KT 9999 VCSH BKN017 18/13 Q1029 NOSIG RMK VCSH/SE/S

TAF

TAF SKBO 041030Z 0412/0512 VRB02KT 9999 DZ BKN015 BECMG 0413/0415 NSW SCT017 BECMG 0415/0417 16010KT PROB40 TEMPO

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 041352Z 10007KT 7SM SCT015TCU 31/24 A2987 RMK 8/200 CI

TAF

TAF MMUN 041050Z 0412/0512 10008KT P6SM SCT020 TX33/0419Z TN25/0510Z FM041900 12012KT P6SM BKN020 FM050300 09005KT

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