KMIA
Miami Intl

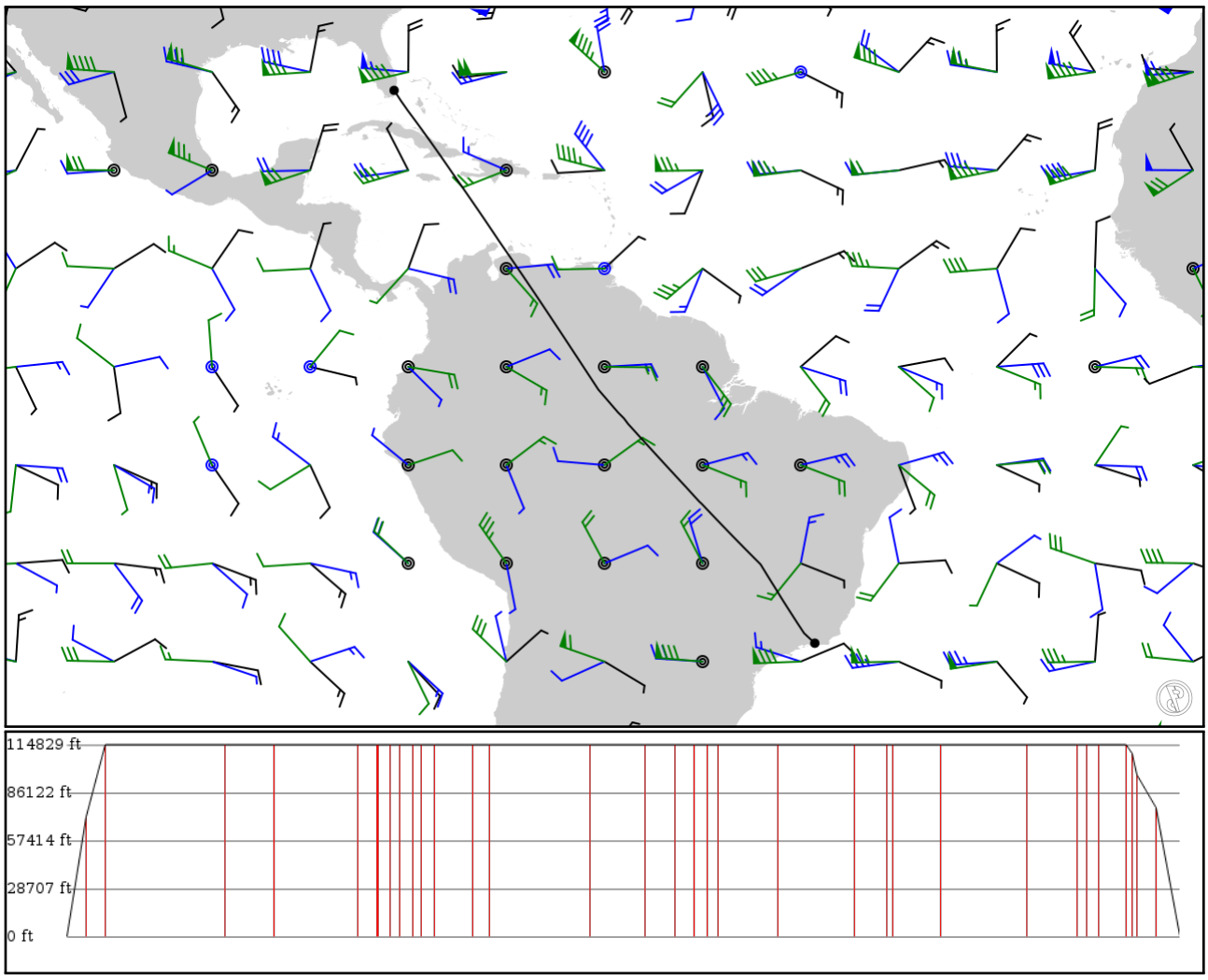
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SBGL
Galeao Antonio Carlos Jombim

2024/03/29 0644Z

KMIA ELLEE **A509** URSUS **UL795** TANGO **UR640** MAN **UZ6** BRS **UA317** TOKIM SBGL

3644.40 nm / 6749.42 km



Notes

Basic altitude profile:
- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 40000ft
- Cruise Speed: 420kts
- Descent Rate: 1500ft/min
- Descent Speed: 250kts

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

Route

Ident	Via	Lat	Alt	Dist	Name
Type		Lon		(nm)	
KMIA	–	25.79617	0 ft	–	Miami Intl
APT	–	-80.28974	0 m		
ELLEE	–	24.88061	21,800 ft	63	–
FIX	–	-79.69002	6,645 m		
URSUS	A509	24.00005	35,000 ft	62	–
FIX	AWY-HI	-79.06980	10,668 m		
GELOG	UL795	18.56167	35,000 ft	392	–
FIX	AWY-HI	-75.17833	10,668 m		
DIBOK	UL795	16.36167	35,000 ft	158	–
FIX	AWY-HI	-73.64167	10,668 m		
ESIPO	UL795	12.49833	35,000 ft	277	–
FIX	AWY-HI	-71.01500	10,668 m		
OPTAS	UL795	11.67528	35,000 ft	59	–
FIX	AWY-HI	-70.44361	10,668 m		
LOKUR	UL795	11.60764	35,000 ft	4	–
FIX	AWY-HI	-70.39727	10,668 m		
DOLPO	UL795	11.06083	35,000 ft	39	–
FIX	AWY-HI	-70.01972	10,668 m		
ATIGA	UL795	10.60278	35,000 ft	33	–
FIX	AWY-HI	-69.70528	10,668 m		
DANVO	UL795	10.05472	35,000 ft	39	–
FIX	AWY-HI	-69.33056	10,668 m		
TOMAX	UL795	9.64083	35,000 ft	29	–
FIX	AWY-HI	-69.04861	10,668 m		
SUBMA	UL795	9.06278	35,000 ft	41	–
FIX	AWY-HI	-68.65611	10,668 m		
EKUNA	UL795	7.31750	35,000 ft	125	–
FIX	AWY-HI	-67.48000	10,668 m		
LOGON	UL795	6.55611	35,000 ft	54	–
FIX	AWY-HI	-66.97167	10,668 m		
VUMPI	UL795	1.98972	35,000 ft	328	–
FIX	AWY-HI	-63.94861	10,668 m		
TANGO	UL795	-0.50783	35,000 ft	179	–
FIX	AWY-HI	-62.30817	10,668 m		
LUMAX	UR640	-1.77250	35,000 ft	100	–
FIX	AWY-HI	-61.21717	10,668 m		
OBKET	UR640	-2.53150	35,000 ft	60	–
FIX	AWY-HI	-60.56200	10,668 m		
MAN	UR640	-3.04183	35,000 ft	43	MANAUS NDB
NDB	AWY-HI	-60.05200	10,668 m		
UTPAM	UZ6	-3.53267	35,000 ft	36	–
FIX	AWY-HI	-59.68306	10,668 m		
VIBOT	UZ6	-5.96067	35,000 ft	197	–
FIX	AWY-HI	-57.46883	10,668 m		
TAROP	UZ6	-9.03200	35,000 ft	250	–
FIX	AWY-HI	-54.63267	10,668 m		
ISTAR	UZ6	-10.33600	35,000 ft	105	–
FIX	AWY-HI	-53.44200	10,668 m		
NABOL	UZ6	-10.56117	35,000 ft	19	–
FIX	AWY-HI	-53.19600	10,668 m		
TERES	UZ6	-12.47567	35,000 ft	157	–
FIX	AWY-HI	-51.36817	10,668 m		
BRS	UZ6	-15.87375	35,000 ft	282	BRASILIA VOR-DME

Ident	Via	Lat	Alt	Dist	Name
Type		Lon		(nm)	
VOR	AWY-HI	-48.02136	10,668 m		
CROWD	UA317	-18.21483	35,000 ft	163	-
FIX	AWY-HI	-46.56783	10,668 m		
KUNOS	UA317	-18.66833	35,000 ft	31	-
FIX	AWY-HI	-46.29300	10,668 m		
UNIDO	UA317	-19.21117	35,000 ft	37	-
FIX	AWY-HI	-45.95033	10,668 m		
MAVIK	UA317	-20.52833	35,000 ft	92	-
FIX	AWY-HI	-45.10650	10,668 m		
SORAI	UA317	-20.76700	33,400 ft	16	-
FIX	AWY-HI	-44.95167	10,180 m		
ARENA	UA317	-21.02667	29,500 ft	18	-
FIX	AWY-HI	-44.78250	8,992 m		
TOKIM	UA317	-21.92450	23,500 ft	63	-
FIX	AWY-HI	-44.19267	7,163 m		
SBGL	-	-22.80894	0 ft	74	Galeao Antonio Carlos Jombim
APT	-	-43.24368	0 m		

KMIA

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

Elevation: 11 ft / 3 m
Location: 25.796200 -80.289700
Magnetic Var: 7.262 W

METAR

KMIA 290553Z 32008KT 10SM CLR 20/14 A3003 RMK AO2 SLP168 T02000144 10261 20200 51012

TAF

TAF KMIA 290520Z 2906/3012 33007KT P6SM SKC FM291400 04011G20KT P6SM FEW030 FM300000 07007KT P6SM SKC

Frequencies

REC - 119.15 MHz - D-ATIS
COM - 123.00 MHz - UNICOM
GND - 121.80 MHz - MIAMI GROUND
TWR - 118.30 MHz - MIAMI TOWER
APP - 120.50 MHz - MIAMI APPROACH
APP - 125.75 MHz - MIAMI APPROACH
DEP - 125.50 MHz - MIAMI DEPARTURE

REC - 133.67 MHz - D-ATIS
CLD - 135.35 MHz - CLEARANCE DELIVERY
GND - 127.50 MHz - MIAMI GROUND
TWR - 123.90 MHz - MIAMI TOWER
APP - 124.85 MHz - MIAMI APPROACH
DEP - 119.45 MHz - MIAMI DEPARTURE

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
09	151 ft 46 m	13,027 ft 3,971 m	87.37 94.63	CONCRETE	1,371 ft 418 m	384 ft 117 m
27	151 ft 46 m	13,027 ft 3,971 m	267.39 274.65	CONCRETE	276 ft 84 m	374 ft 114 m
08R	200 ft 61 m	10,515 ft 3,205 m	87.38 94.64	CONCRETE	0 ft 0 m	407 ft 124 m
26L	200 ft 61 m	10,515 ft 3,205 m	267.39 274.65	CONCRETE	0 ft 0 m	407 ft 124 m
08L	151 ft 46 m	8,607 ft 2,624 m	87.38 94.64	CONCRETE	0 ft 0 m	387 ft 118 m
26R	151 ft 46 m	8,607 ft 2,624 m	267.39 274.65	CONCRETE	0 ft 0 m	387 ft 118 m
12	151 ft 46 m	9,366 ft 2,855 m	119.61 126.87	CONCRETE	0 ft 0 m	397 ft 121 m
30	151 ft 46 m	9,366 ft 2,855 m	299.62 306.88	CONCRETE	948 ft 289 m	0 ft 0 m

Approach Navaids

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

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
30	DME	IDCX	111.70 MHz	18 nm 33 km	– –	–	8 ft 8 m
08R	LOC-ILS	IMFA	110.30 MHz	18 nm 33 km	87.37 94.63	–	4 ft 4 m
09	LOC-ILS	IBUL	110.90 MHz	18 nm 33 km	87.37 94.63	–	4 ft 4 m
12	LOC-ILS	IGEM	108.90 MHz	18 nm 33 km	119.60 126.86	–	4 ft 4 m
26L	LOC-ILS	IVIN	109.10 MHz	18 nm 33 km	267.37 274.63	–	4 ft 4 m
27	LOC-ILS	IMIA	109.50 MHz	18 nm 33 km	267.37 274.63	–	4 ft 4 m
30	LOC-ILS	IDCX	111.70 MHz	18 nm 33 km	299.60 306.86	–	4 ft 4 m
08L	LOC-LOC	IROY	109.30 MHz	18 nm 33 km	87.36 94.62	–	4 ft 4 m
26R	LOC-LOC	ICNV	109.30 MHz	18 nm 33 km	267.36 274.62	–	4 ft 4 m
08R	GS	IMFA	110.30 MHz	10 nm 19 km	87.37 94.63	3.00	4 ft 4 m
09	GS	IBUL	110.90 MHz	10 nm 19 km	87.37 94.63	3.00	4 ft 4 m
12	GS	IGEM	108.90 MHz	10 nm 19 km	119.60 126.86	3.00	4 ft 4 m
26L	GS	IVIN	109.10 MHz	10 nm 19 km	267.37 274.63	3.00	4 ft 4 m
27	GS	IMIA	109.50 MHz	10 nm 19 km	267.37 274.63	3.00	4 ft 4 m
30	GS	IDCX	111.70 MHz	10 nm 19 km	299.60 306.86	3.00	4 ft 4 m

SBGL

Region: BRAZIL
Timezone: AMERICA/SAO_PAULO
Runways: 2
Elevation: 28 ft / 9 m
Location: -22.808900 -43.243800
Magnetic Var: 23.409 W

METAR

SBGL 290600Z 13002KT 8000 FEW010 BKN013 22/21 Q1018

TAF

TAF SBGL 290230Z 2906/3012 05005KT 7000 SCT016 BKN045 TN22/2909Z TX27/2916Z PROB40 2906/2910 5000 DZ BR SCT007 BK

Frequencies

REC - 127.60 MHz - ATIS
CLD - 135.10 MHz - GALEAO CLEARANCE
GND - 128.35 MHz - GALEAO GROUND
TWR - 118.20 MHz - GALEAO TOWER
APP - 125.95 MHz - RIO APPROACH
APP - 119.35 MHz - RIO APPROACH
CLD - 121.00 MHz - GALEAO CLEARANCE
GND - 121.65 MHz - GALEAO GROUND
TWR - 118.00 MHz - GALEAO TOWER
APP - 129.80 MHz - RIO APPROACH
APP - 128.90 MHz - RIO APPROACH
COM - 122.80 MHz - GALEAO UNICOM

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
10	148 ft 45 m	13,136 ft 4,004 m	74.40 97.80	CONCRETE	0 ft 0 m	0 ft 0 m
28	148 ft 45 m	13,136 ft 4,004 m	254.38 277.79	CONCRETE	0 ft 0 m	174 ft 53 m
15	154 ft 47 m	10,426 ft 3,178 m	125.65 149.06	ASPHALT	0 ft 0 m	184 ft 56 m
33	154 ft 47 m	10,426 ft 3,178 m	305.64 329.05	ASPHALT	0 ft 0 m	184 ft 56 m

Approach Navaids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
15	DME	IGL	110.30 MHz	18 nm 33 km	- -	-	17 ft 17 m
28	DME	ILM	111.50 MHz	18 nm 33 km	- -	-	28 ft 28 m
10	LOC-ILS	ITB	109.30 MHz	18 nm 33 km	74.39 97.80	-	28 ft 28 m
15	LOC-ILS	IGL	110.30 MHz	18 nm 33 km	125.65 149.06	-	28 ft 28 m
28	LOC-ILS	ILM	111.50 MHz	18 nm 33 km	254.39 277.80	-	28 ft 28 m
10	GS	ITB	109.30 MHz	10 nm 19 km	74.39 97.80	3.00	28 ft 28 m
15	GS	IGL	110.30 MHz	10 nm 19 km	125.65 149.06	3.00	28 ft 28 m
28	GS	ILM	111.50 MHz	10 nm 19 km	254.39 277.80	2.94	28 ft 28 m