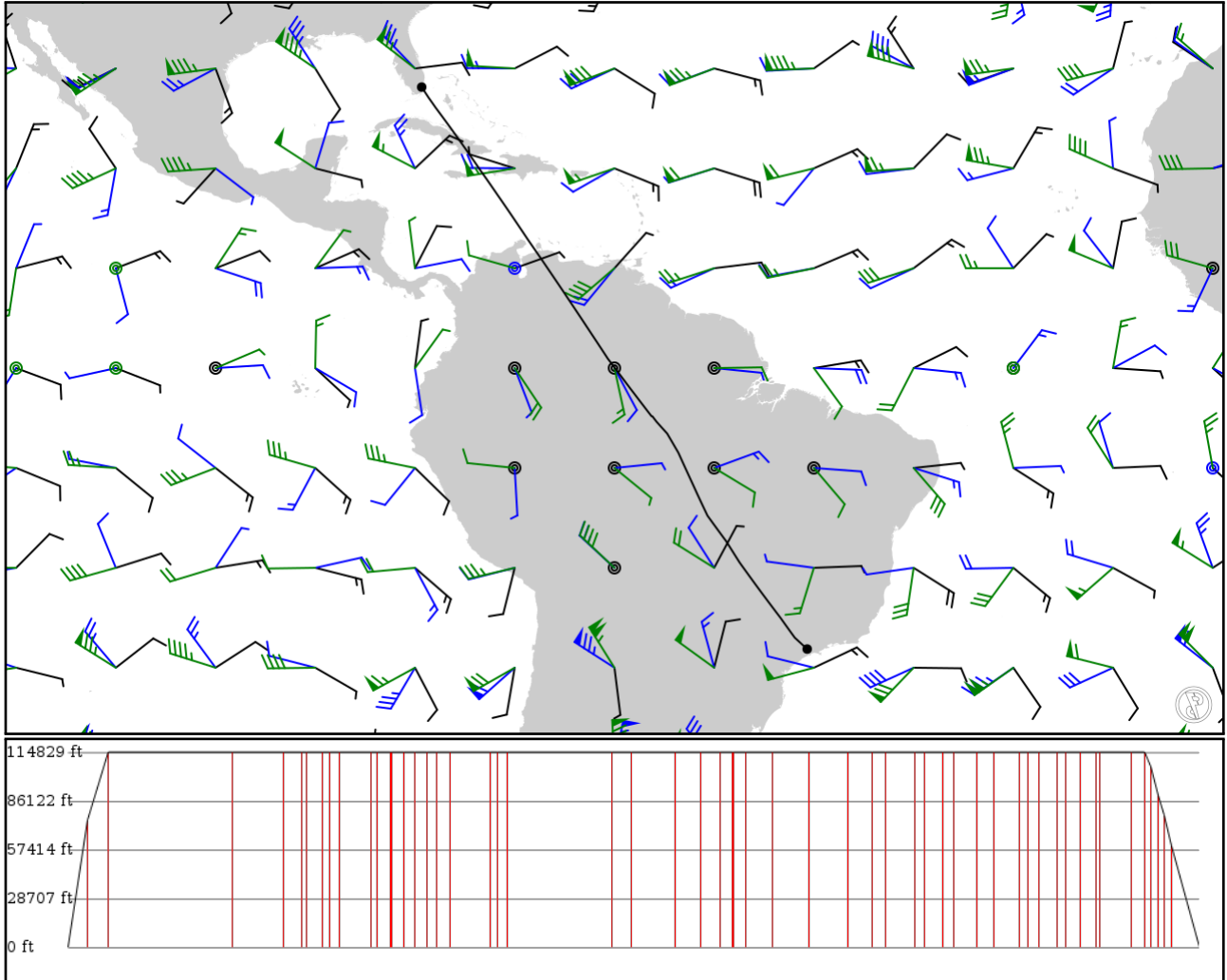


2024/06/06 1500Z

KMIA ELLEE **A509** URSUS **UL795** EGBAX **UR640** MNS MNS **UZ6** GIKVI **UM417** ASTOB **UL304** RCL SBGR

3561.02 nm / 6595.00 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: no
- Use high airways: yes

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
KMIA	-	25.79620	0 ft	-	Miami Intl
APT	-	-80.28970	0 m		
ELLEE	-	24.88060	22,800 ft	63	-
FIX	-	-79.69000	6,949 m		
URSUS	A509	24.00010	35,000 ft	62	-
FIX	AWY-HI	-79.06980	10,668 m		
GELOG	UL795	18.56170	35,000 ft	392	-
FIX	AWY-HI	-75.17830	10,668 m		
DIBOK	UL795	16.36170	35,000 ft	158	-
FIX	AWY-HI	-73.64170	10,668 m		
MAXIN	UL795	15.55330	35,000 ft	58	-
FIX	AWY-HI	-73.08330	10,668 m		
PUTAR	UL795	15.35000	35,000 ft	14	-
FIX	AWY-HI	-72.94330	10,668 m		
ONDER	UL795	14.62000	35,000 ft	52	-
FIX	AWY-HI	-72.44330	10,668 m		
BIBIP	UL795	14.32980	35,000 ft	20	-
FIX	AWY-HI	-72.24660	10,668 m		
SENSO	UL795	13.87850	35,000 ft	32	-
FIX	AWY-HI	-71.94110	10,668 m		
ESIPO	UL795	12.49810	35,000 ft	99	-
FIX	AWY-HI	-71.01530	10,668 m		
MAGTA	UL795	12.22640	35,000 ft	19	-
FIX	AWY-HI	-70.82610	10,668 m		
OPTAS	UL795	11.67530	35,000 ft	40	-
FIX	AWY-HI	-70.44360	10,668 m		
LOKUR	UL795	11.60800	35,000 ft	4	-
FIX	AWY-HI	-70.39680	10,668 m		
DOLPO	UL795	11.06080	35,000 ft	39	-
FIX	AWY-HI	-70.01970	10,668 m		
ATIGA	UL795	10.60280	35,000 ft	33	-
FIX	AWY-HI	-69.70530	10,668 m		
DANVO	UL795	10.05470	35,000 ft	39	-
FIX	AWY-HI	-69.33060	10,668 m		
TOMAX	UL795	9.64083	35,000 ft	29	-
FIX	AWY-HI	-69.04860	10,668 m		
SUBMA	UL795	9.06278	35,000 ft	41	-
FIX	AWY-HI	-68.65610	10,668 m		
EKUNA	UL795	7.31750	35,000 ft	125	-
FIX	AWY-HI	-67.48000	10,668 m		
ITADI	UL795	6.97722	35,000 ft	24	-
FIX	AWY-HI	-67.25250	10,668 m		
LOGON	UL795	6.55611	35,000 ft	30	-
FIX	AWY-HI	-66.97170	10,668 m		
VUMPI	UL795	1.99000	35,000 ft	328	-
FIX	AWY-HI	-63.94830	10,668 m		
BIVUT	UL795	1.20283	35,000 ft	59	-
FIX	AWY-HI	-63.35270	10,668 m		
EGBAX	UL795	-0.63317	35,000 ft	138	-
FIX	AWY-HI	-61.96970	10,668 m		
GIKRA	UR640	-1.71950	35,000 ft	82	-
FIX	AWY-HI	-61.14000	10,668 m		
LUVMA	UR640	-2.50983	35,000 ft	59	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-60.53230	10,668 m		
MNS	UR640	-3.03700	35,000 ft	39	MANAUS VOR-DME
DME	AWY-HI	-60.12480	10,668 m		
MNS	-	-3.04003	35,000 ft	4	MANAUS
VOR	-	-60.05470	10,668 m		
UTPAM	UZ6	-3.53267	35,000 ft	37	-
FIX	AWY-HI	-59.67650	10,668 m		
GIKVI	UZ6	-4.55700	35,000 ft	82	-
FIX	AWY-HI	-58.75030	10,668 m		
JAC	UM417	-6.23574	35,000 ft	116	JACAREACANGA
VOR	AWY-HI	-57.77050	10,668 m		
RAXIL	UM417	-8.10417	35,000 ft	123	-
FIX	AWY-HI	-56.91620	10,668 m		
TELOS	UM417	-9.25856	35,000 ft	76	-
FIX	AWY-HI	-56.38420	10,668 m		
ATF	UM417	-9.86836	35,000 ft	40	ALTA FLORESTA
VOR	AWY-HI	-56.10490	10,668 m		
LOKEL	UM417	-11.25480	35,000 ft	91	-
FIX	AWY-HI	-55.45130	10,668 m		
OBGAT	UM417	-11.75070	35,000 ft	32	-
FIX	AWY-HI	-55.21600	10,668 m		
TONOR	UM417	-12.51680	35,000 ft	56	-
FIX	AWY-HI	-54.65830	10,668 m		
OPVEX	UM417	-12.97850	35,000 ft	34	-
FIX	AWY-HI	-54.32030	10,668 m		
POPTI	UM417	-13.99380	35,000 ft	75	-
FIX	AWY-HI	-53.57120	10,668 m		
SAMAR	UM417	-14.71300	35,000 ft	50	-
FIX	AWY-HI	-53.11950	10,668 m		
BAG	UM417	-15.85350	35,000 ft	80	GARCAS
VOR	AWY-HI	-52.39560	10,668 m		
MOTVI	UM417	-16.25720	35,000 ft	29	-
FIX	AWY-HI	-52.10580	10,668 m		
RELUM	UM417	-16.69430	35,000 ft	31	-
FIX	AWY-HI	-51.79030	10,668 m		
RORIT	UM417	-17.52100	35,000 ft	60	-
FIX	AWY-HI	-51.18870	10,668 m		
ILTID	UM417	-17.87380	35,000 ft	25	-
FIX	AWY-HI	-50.93000	10,668 m		
ANDIV	UM417	-18.47570	35,000 ft	44	-
FIX	AWY-HI	-50.48580	10,668 m		
NEKAM	UM417	-19.17170	35,000 ft	51	-
FIX	AWY-HI	-49.96700	10,668 m		
KUGPO	UM417	-19.31930	35,000 ft	10	-
FIX	AWY-HI	-49.85620	10,668 m		
ASTOB	UM417	-20.68000	35,000 ft	100	-
FIX	AWY-HI	-48.82320	10,668 m		
OBDAM	UL304	-21.23770	35,000 ft	40	-
FIX	AWY-HI	-48.42550	10,668 m		
REPAX	UL304	-21.51630	32,400 ft	20	-
FIX	AWY-HI	-48.22550	9,876 m		
PUKTO	UL304	-21.84670	27,300 ft	23	-
FIX	AWY-HI	-47.98680	8,321 m		
LONAL	UL304	-22.07620	23,700 ft	16	-
FIX	AWY-HI	-47.82050	7,224 m		
RCL	UL304	-22.43020	18,200 ft	25	RIO CLARO

Ident		Via	Lat	Alt	Dist	Name
Type			Lon		(nm)	
NDB	AWY-HI	-47.56250	5,547 m			
SBGR	-	-23.43230	0 ft	85	Guarulhos-Andre Franco Montoro Intl	
APT	-	-46.46950	0 m			

KMIA

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

Elevation: 11 ft / 3 m
Location: 25.796200 -80.289700
Magnetic Var: 7.281 W

METAR

KMIA 061425Z 10007KT 10SM BKN026 BKN250 32/24 A2989 RMK A02 T03170239

TAF

TAF KMIA 061137Z 0612/0718 VRB04KT P6SM FEW030 SCT250 FM061500 13008KT P6SM SCT030 SCT050 FM061800 14010KT P6SM V

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	13,027 ft	87.37	CONCRETE	1,371 ft	384 ft
	46 m	3,971 m	94.65		418 m	117 m
27	151 ft	13,027 ft	267.39	CONCRETE	276 ft	374 ft
	46 m	3,971 m	274.67		84 m	114 m
08R	200 ft	10,515 ft	87.38	CONCRETE	0 ft	407 ft
	61 m	3,205 m	94.66		0 m	124 m
26L	200 ft	10,515 ft	267.39	CONCRETE	0 ft	407 ft
	61 m	3,205 m	274.67		0 m	124 m
08L	151 ft	8,607 ft	87.38	CONCRETE	0 ft	387 ft
	46 m	2,624 m	94.66		0 m	118 m
26R	151 ft	8,607 ft	267.39	CONCRETE	0 ft	387 ft
	46 m	2,624 m	274.67		0 m	118 m
12	151 ft	9,366 ft	119.61	CONCRETE	0 ft	397 ft
	46 m	2,855 m	126.89		0 m	121 m
30	151 ft	9,366 ft	299.62	CONCRETE	948 ft	0 ft
	46 m	2,855 m	306.90		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	94.65		4 m
09	LOC-ILS	IBUL	110.90 MHz	18 nm	87.37	-	4 ft
				33 km	94.65		4 m
12	LOC-ILS	IGEM	108.90 MHz	18 nm	119.60	-	4 ft
				33 km	126.88		4 m
26L	LOC-ILS	IVIN	109.10 MHz	18 nm	267.37	-	4 ft
				33 km	274.65		4 m
27	LOC-ILS	IMIA	109.50 MHz	18 nm	267.37	-	4 ft
				33 km	274.65		4 m
30	LOC-ILS	IDCX	111.70 MHz	18 nm	299.60	-	4 ft
				33 km	306.88		4 m
08L	LOC-LOC	IROY	109.30 MHz	18 nm	87.36	-	4 ft
				33 km	94.64		4 m
26R	LOC-LOC	ICNV	109.30 MHz	18 nm	267.36	-	4 ft
				33 km	274.64		4 m
08R	GS	IMFA	110.30 MHz	10 nm	87.37	3.00	4 ft
				19 km	94.65		4 m
09	GS	IBUL	110.90 MHz	10 nm	87.37	3.00	4 ft
				19 km	94.65		4 m
12	GS	IGEM	108.90 MHz	10 nm	119.60	3.00	4 ft
				19 km	126.88		4 m
26L	GS	IVIN	109.10 MHz	10 nm	267.37	3.00	4 ft
				19 km	274.65		4 m
27	GS	IMIA	109.50 MHz	10 nm	267.37	3.00	4 ft
				19 km	274.65		4 m
30	GS	IDCX	111.70 MHz	10 nm	299.60	3.00	4 ft
				19 km	306.88		4 m

SBGR

Region: BRAZIL
Timezone: AMERICA/SAO_PAULO
Runways: 2

Elevation: 2,461 ft / 750 m
Location: -23.432300 -46.469500
Magnetic Var: 22.219 W

METAR

SBGR 061400Z 06008KT 9999 SCT007 18/15 Q1025

TAF

TAF SBGR 060900Z 0612/0718 07005KT 8000 SCT010 TX24/0618Z TN13/0709Z BECMG 0613/0615 23004KT 9999 FEW030 BECMG 06

Frequencies

REC - 127.75 MHz - GUARULHOS ATIS	CLD - 121.00 MHz - GUARULHOS CLEARANCE
GND - 121.70 MHz - GUARULHOS GROUND	GND - 126.90 MHz - GUARULHOS GROUND
TWR - 118.40 MHz - GUARULHOS TOWER	TWR - 132.75 MHz - GUARULHOS TOWER
TWR - 135.20 MHz - GUARULHOS TOWER	APP - 129.75 MHz - SAO PAULO APPROACH
APP - 119.15 MHz - SAO PAULO APPROACH	APP - 120.45 MHz - SAO PAULO APPROACH
APP - 120.85 MHz - SAO PAULO APPROACH	APP - 133.85 MHz - SAO PAULO APPROACH

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
09L	148 ft	12,131 ft	73.60	ASPHALT	295 ft	190 ft
	45 m	3,698 m	95.82		90 m	58 m
27R	148 ft	12,131 ft	253.59	ASPHALT	200 ft	194 ft
	45 m	3,698 m	275.80		61 m	59 m
09R	148 ft	9,832 ft	73.60	ASPHALT	0 ft	194 ft
	45 m	2,997 m	95.82		0 m	59 m
27L	148 ft	9,832 ft	253.59	ASPHALT	0 ft	194 ft
	45 m	2,997 m	275.81		0 m	59 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
09L	LOC-ILS	IUC	110.70 MHz	18 nm	73.59	-	2,461 ft
				33 km	95.81		2,461 m
09R	LOC-ILS	IGR	111.50 MHz	18 nm	73.60	-	2,461 ft
				33 km	95.82		2,461 m
27L	LOC-ILS	IBC	111.10 MHz	18 nm	253.60	-	2,459 ft
				33 km	275.82		2,459 m
27R	LOC-ILS	IGS	111.90 MHz	18 nm	253.59	-	2,459 ft
				33 km	275.81		2,459 m
09L	GS	IUC	110.70 MHz	10 nm	73.59	3.00	2,461 ft
				19 km	95.81		2,461 m
09R	GS	IGR	111.50 MHz	10 nm	73.60	2.92	2,461 ft
				19 km	95.82		2,461 m
27L	GS	IBC	111.10 MHz	10 nm	253.60	3.00	2,459 ft
				19 km	275.82		2,459 m
27R	GS	IGS	111.90 MHz	10 nm	253.59	3.00	2,458 ft
				19 km	275.81		2,458 m