

# SBGR

Guarulhos-Andre Franco Montoro Intl

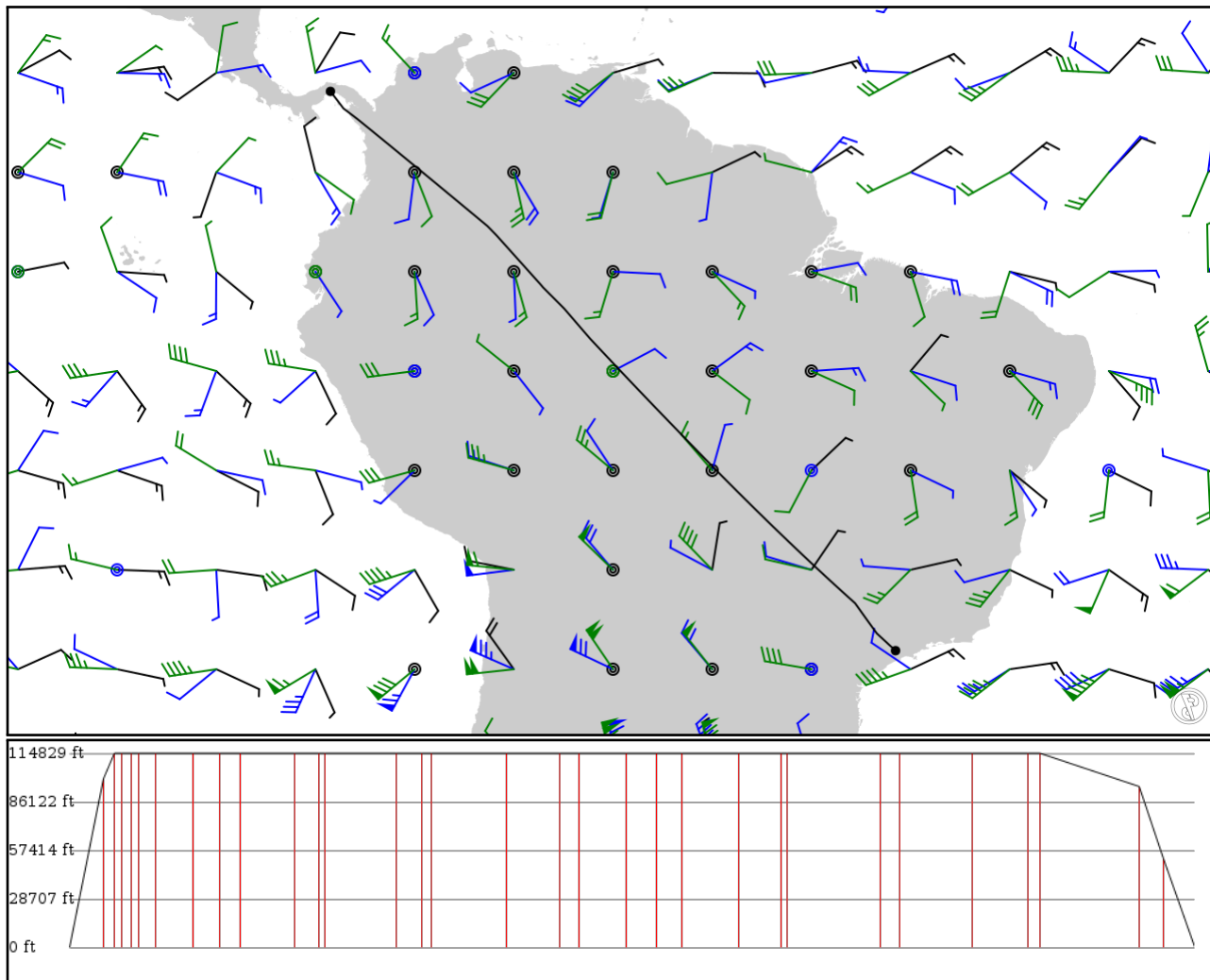
# MPTO

Tocumen Intl

2024/05/02 2022Z

SBGR RCL **UM417** ASTOB **UL201** MTU **UM549** DAKMO **A317** ITAGO MPTO

2756.73 nm / 5105.46 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
SBGR	-	-23.43230	0 ft	-		Guarulhos-Andre Franco Montoro Intl
APT	-	-46.46950	0 m			
RCL	-	-22.43020	30,400 ft	85		RIO CLARO
NDB	-	-47.56250	9,266 m			
LONAL	UM417	-22.07620	35,000 ft	25	-	
FIX	AWY-HI	-47.82050	10,668 m			
PUKTO	UM417	-21.84670	35,000 ft	16	-	
FIX	AWY-HI	-47.98680	10,668 m			
REPAX	UM417	-21.51630	35,000 ft	23	-	
FIX	AWY-HI	-48.22550	10,668 m			
OBDAM	UM417	-21.23770	35,000 ft	20	-	
FIX	AWY-HI	-48.42550	10,668 m			
ASTOB	UM417	-20.68000	35,000 ft	40	-	
FIX	AWY-HI	-48.82320	10,668 m			
ISLAL	UL201	-19.60750	35,000 ft	92	-	
FIX	AWY-HI	-50.01050	10,668 m			
TESEK	UL201	-18.84550	35,000 ft	65	-	
FIX	AWY-HI	-50.83920	10,668 m			
ABUSE	UL201	-18.25770	35,000 ft	50	-	
FIX	AWY-HI	-51.46930	10,668 m			
MABMA	UL201	-16.70920	35,000 ft	131	-	
FIX	AWY-HI	-53.10080	10,668 m			
GRACE	UL201	-16.00550	35,000 ft	59	-	
FIX	AWY-HI	-53.83030	10,668 m			
ISVOM	UL201	-15.82350	35,000 ft	15	-	
FIX	AWY-HI	-54.01770	10,668 m			
EQUAL	UL201	-13.75670	35,000 ft	173	-	
FIX	AWY-HI	-56.10970	10,668 m			
ILMOK	UL201	-13.00930	35,000 ft	62	-	
FIX	AWY-HI	-56.85230	10,668 m			
ISLUT	UL201	-12.70720	35,000 ft	25	-	
FIX	AWY-HI	-57.15070	10,668 m			
ARPAR	UL201	-10.51500	35,000 ft	181	-	
FIX	AWY-HI	-59.28630	10,668 m			
RONEN	UL201	-8.92283	35,000 ft	132	-	
FIX	AWY-HI	-60.82500	10,668 m			
BARGE	UL201	-8.37017	35,000 ft	45	-	
FIX	AWY-HI	-61.35470	10,668 m			
OBEBA	UL201	-6.94117	35,000 ft	117	-	
FIX	AWY-HI	-62.71380	10,668 m			
PERSA	UL201	-6.07233	35,000 ft	71	-	
FIX	AWY-HI	-63.53420	10,668 m			
EGLER	UL201	-5.30517	35,000 ft	63	-	
FIX	AWY-HI	-64.25530	10,668 m			
BUMBA	UL201	-3.55117	35,000 ft	138	-	
FIX	AWY-HI	-65.76980	10,668 m			
MINIB	UL201	-2.31583	35,000 ft	104	-	
FIX	AWY-HI	-67.00450	10,668 m			
CLOTI	UL201	-2.12383	35,000 ft	15	-	
FIX	AWY-HI	-67.16820	10,668 m			
ABIDE	UL201	0.67850	35,000 ft	226	-	
FIX	AWY-HI	-69.68800	10,668 m			
MTU	UL201	1.24222	35,000 ft	47		MITU

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
VOR	AWY-HI	-70.23670	10,668 m		
DADKA	UM549	3.14250	35,000 ft	178	-
FIX	AWY-HI	-72.53220	10,668 m		
ANPIX	UM549	4.60361	35,000 ft	137	-
FIX	AWY-HI	-74.30360	10,668 m		
EDRAN	UM549	4.90750	35,000 ft	29	-
FIX	AWY-HI	-74.68060	10,668 m		
DAKMO	UM549	7.46139	29,000 ft	241	-
FIX	AWY-HI	-77.80970	8,839 m		
ITAGO	A317	8.07944	16,000 ft	61	-
FIX	AWY-LO	-78.62390	4,877 m		
MPTO	-	9.07140	0 ft	74	Tocumen Intl
APT	-	-79.38350	0 m		

## SBGR

Region: BRAZIL  
Timezone: AMERICA/SAO\_PAULO  
Runways: 2

Elevation: 2,461 ft / 750 m  
Location: -23.432300 -46.469500  
Magnetic Var: 22.207 W

## METAR

SBGR 022000Z 31007KT CAVOK 30/14 Q1012

## TAF

TAF SBGR 021630Z 0218/0324 30010KT CAVOK TX31/0218Z TN18/0309Z BECMG 0220/0222 05005KT BECMG 0312/0315 34007KT SC

## 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	95.81		90 m	58 m
27R	148 ft	12,131 ft	253.59	ASPHALT	200 ft	194 ft
	45 m	3,698 m	275.79		61 m	59 m
09R	148 ft	9,832 ft	73.60	ASPHALT	0 ft	194 ft
	45 m	2,997 m	95.81		0 m	59 m
27L	148 ft	9,832 ft	253.59	ASPHALT	0 ft	194 ft
	45 m	2,997 m	275.80		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	95.80		2,461 m
09R	LOC-ILS	IGR	111.50 MHz	18 nm	73.60	-	2,461 ft
				33 km	95.81		2,461 m
27L	LOC-ILS	IBC	111.10 MHz	18 nm	253.60	-	2,459 ft
				33 km	275.81		2,459 m
27R	LOC-ILS	IGS	111.90 MHz	18 nm	253.59	-	2,459 ft
				33 km	275.80		2,459 m
09L	GS	IUC	110.70 MHz	10 nm	73.59	3.00	2,461 ft
				19 km	95.80		2,461 m
09R	GS	IGR	111.50 MHz	10 nm	73.60	2.92	2,461 ft
				19 km	95.81		2,461 m
27L	GS	IBC	111.10 MHz	10 nm	253.60	3.00	2,459 ft
				19 km	275.81		2,459 m
27R	GS	IGS	111.90 MHz	10 nm	253.59	3.00	2,458 ft
				19 km	275.80		2,458 m

## MPTO

Region: PANAMA  
Timezone: AMERICA/PANAMA  
Runways: 2

Elevation: 134 ft / 41 m  
Location: 9.071400 -79.383500  
Magnetic Var: 5.450 W

## METAR

MPTO 022000Z 36006KT 9000 VCSH SCT016CB SCT090 29/25 Q1006 RERA NOSIG

## TAF

TAF MPTO 021710Z 0218/0324 29006KT 9999 SCT018 SCT090 PROB30 0218/0222 18010KT 6000 TSRA SCT016CB BKN090 TEMPO 0300

## Frequencies

REC - 127.70 MHz - ATIS	TWR - 118.10 MHz - TOCUMEN TOWER
GND - 121.90 MHz - TOCUMEN GROUND	GND - 112.05 MHz - TOCUMEN GROUND
CLD - 129.80 MHz - CLEARANCE DELIVERY	APP - 121.20 MHz - PANAMA APPROACH
APP - 123.30 MHz - PANAMA APPROACH	APP - 119.70 MHz - PANAMA APPROACH
APP - 119.20 MHz - PANAMA APPROACH	

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
03R	148 ft	10,049 ft	29.33	CONCRETE	0 ft	0 ft
	45 m	3,063 m	34.78		0 m	0 m
21L	148 ft	10,049 ft	209.33	CONCRETE	0 ft	0 ft
	45 m	3,063 m	214.78		0 m	0 m
03L	148 ft	8,832 ft	30.67	ASPHALT	814 ft	0 ft
	45 m	2,692 m	36.12		248 m	0 m
21R	148 ft	8,832 ft	210.67	ASPHALT	0 ft	0 ft
	45 m	2,692 m	216.12		0 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
03R	DME	INAT	110.70 MHz	18 nm	-	-	50 ft
				33 km	-		50 m
03R	LOC-ILS	INAT	110.70 MHz	18 nm	29.33	-	134 ft
				33 km	34.78		134 m
03R	GS	INAT	110.70 MHz	10 nm	29.33	3.00	134 ft
				19 km	34.78		134 m