

SBBH

Pampulha-Belo Horizonte

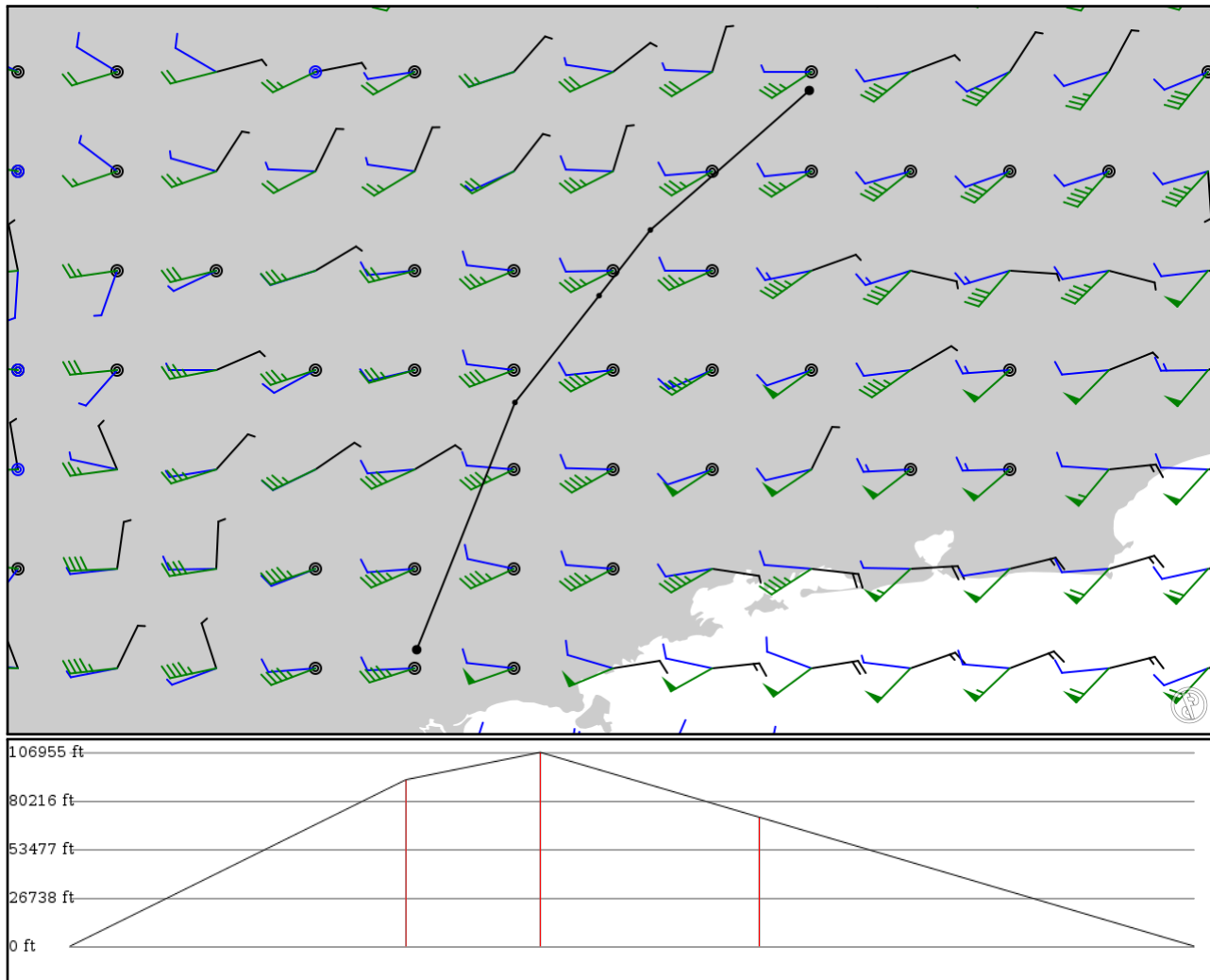
SBGR

Guarulhos-Andre Franco Montoro Intl

2024/05/03 0153Z

SBBH MAVBO W1 ASBUP SBGR

262.18 nm / 485.56 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
SBBH	-	-19.85080	0 ft	-	Pampulha-Belo Horizonte	
APT	-	-43.94990	0 m	-		
MAVBO	-	-20.74430	28,000 ft	78	-	
FIX	-	-44.97000	8,534 m	-		
VUKEM	W1	-21.16480	32,600 ft	31	-	
FIX	AWY-LO	-45.29880	9,936 m	-		
ASBUP	W1	-21.84920	21,700 ft	50	-	
FIX	AWY-LO	-45.83900	6,614 m	-		
SBGR	-	-23.43230	0 ft	101	Guarulhos-Andre Franco Montoro Intl	
APT	-	-46.46950	0 m	-		

SBBH

Region: BRAZIL
Timezone: AMERICA/SAO_PAULO
Runways: 1

Elevation: 2,589 ft / 789 m
Location: -19.850800 -43.949900
Magnetic Var: 23.408 W

METAR

SBBH 030100Z 10003KT CAVOK 21/18 Q1017

TAF

UNKNOWN

Frequencies

REC - 127.45 MHz - BELO HORIZONTE ATIS	CLD - 121.10 MHz -
GND - 121.60 MHz - BELO HORIZONTE GROUND	BELO HORIZONTE CLEARANCE DELIVERY
APP - 119.10 MHz - BELO HORIZONTE APPROACH	TWR - 118.00 MHz - BELO HORIZONTE TOWER
APP - 128.80 MHz - BELO HORIZONTE APPROACH	APP - 119.30 MHz - BELO HORIZONTE APPROACH
DEP - 120.20 MHz - BELO HORIZONTE DEPARTURE	APP - 129.10 MHz - BELO HORIZONTE APPROACH
	COM - 122.80 MHz - BELO HORIZONTE UNICOM

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
13	148 ft	7,751 ft	110.89	ASPHALT	0 ft	472 ft
	45 m	2,362 m	134.30		0 m	144 m
31	148 ft	7,751 ft	290.88	ASPHALT	0 ft	482 ft
	45 m	2,362 m	314.29		0 m	147 m

Approach Navaids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
13	LOC-ILS	IPM	109.30 MHz	18 nm	110.88	-	2,589 ft
				33 km	134.29		2,589 m
13	GS	IPM	109.30 MHz	10 nm	110.88	3.00	2,589 ft
				19 km	134.29		2,589 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 030100Z 00000KT CAVOK 20/17 Q1015

TAF

TAF SBGR 022200Z 0300/0406 07005KT CAVOK TN18/0309Z TX31/0318Z BECMG 0312/0315 34007KT SCT040 PROB30 TEMPO 0315/0

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