

# SBGR - São Paulo - Sao Paulo - Guarulhos

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## Airport details

State	São Paulo
Country	Brazil
Region	SB
Elevation	2458ft (749m)
Timezone	GMT -3
Coordinates	-23.43556, -46.47306
Type	land
ICAO code	SBGR
IATA code	GRU
FAA code	n/a

## Runway info

Runway 09L / 27R	
length	3698m (12133ft)
bearing	75° / 255°
width	45m (148ft)
surface	asphalt
displacement threshold	91m (299ft) / 61m (200ft)
blast zone	60m (197ft) / 64m (210ft)
Runway 09R / 27L	
length	2996m (9829ft)
bearing	75° / 255°
width	45m (148ft)
surface	asphalt
blast zone	60m (197ft) / 60m (197ft)

## Communication

Sao Paulo - Guarulhos ATIS	127.750
Sao Paulo - Guarulhos ATIS	127.750
Sao Paulo - Guarulhos ATIS	127.750
Sao Paulo - Guarulhos ATIS	127.750
Sao Paulo - Guarulhos CLNC DEL	121.000
Sao Paulo - Guarulhos CLNC DEL	121.000
Sao Paulo - Guarulhos CLNC DEL	121.000
Sao Paulo - Guarulhos CLNC DEL	121.000
Sao Paulo - Guarulhos GND	121.700
Sao Paulo - Guarulhos GND	126.900
Sao Paulo - Guarulhos GND	126.900
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Sao Paulo - Guarulhos GND	126.900
Sao Paulo - Guarulhos GND	121.700
Sao Paulo - Guarulhos TWR	118.400
Sao Paulo - Guarulhos TWR	135.200
Sao Paulo - Guarulhos TWR	118.400
Sao Paulo - Guarulhos TWR	132.750
Sao Paulo - Guarulhos TWR	135.200
Sao Paulo - Guarulhos TWR	132.750
Sao Paulo - Guarulhos TWR	118.400
Sao Paulo - Guarulhos TWR	118.400
Sao Paulo - Guarulhos TWR	135.200
Sao Paulo - Guarulhos TWR	132.750
Sao Paulo - Guarulhos TWR	135.200
Sao Paulo - Guarulhos TWR	132.750
Sao Paulo - Guarulhos SAO PAULO APP	120.050
Sao Paulo - Guarulhos SAO PAULO APP	119.800
Sao Paulo - Guarulhos SAO PAULO APP	119.800
Sao Paulo - Guarulhos SAO PAULO APP	120.050
Sao Paulo - Guarulhos SAO PAULO APP	129.500
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Sao Paulo - Guarulhos SAO PAULO APP	120.050
Sao Paulo - Guarulhos SAO PAULO APP	129.500

## Approach frequencies

ILS-cat-III	09R	111.7	18.00mi
ILS-cat-II	09L	110.7	18.00mi
ILS-cat-I	27L	111.1	18.00mi
ILS-cat-I	27R	111.9	18.00mi
3° GS	27L	111.1	18.00mi
3° GS	09R	111.7	18.00mi
3° GS	27R	111.9	18.00mi
3° GS	09L	110.7	18.00mi

## Nearby beacons

code	identifier	dist	bearing	frequency
BCO	BONSUCESSO (SAO PAULO) VOR/DME	5.1	71.6°	116
IG	TUCA (SAO PAULO) NDB	5.7	255.1°	410
CGO	CONGONHAS (SAO PAULO) VOR/DME	15.2	223.4°	116.90
DAD	DIADEMA (SAO PAULO) NDB	17.6	205.4°	200
STN	SANTANA (SAO PAULO TMA) VOR/DME	25	263.4°	114.30
RDE	REDE (SAO PAULO) VOR/DME	27.5	186.9°	116.70
BGC	BRAGANCA (BRAGANCA PAULIS VOR/DME	29.5	348.6°	116.20
EMB	EMBUGUACU (SAO PAULO) NDB	31.2	219.5°	525
SCP	SAO JOSE (SAO JOSE DOS CA VOR/DME	35.9	71.7°	115.40
CPN	CAMPINAS VOR/DME	44.3	303°	112
IK	BENTO (CAMPINAS) NDB	49.5	303.1°	370
SCB	SOROCABA (SAO PAULO TMA) VOR/DME	50	265.4°	115.20
TBE	TAUBATE NDB	57.7	67.8°	430
TAU	TAUBATE VOR/DME	58.1	67.3°	112.60

## Departure and arrival routes

Transition altitude 8000ft

SID end points	distance	outbound direction
RW09 (ALL)		
EDLU1A	42.8	42°
OMNI	10.7	75°
UKBE1D	62.7	326°
RW09L		
AMVU1A	42.8	42°
ZORZ1A	61.8	219°
RW09R		
AMVU1A	42.8	42°
ZORZ2C	61.8	219°
RW27 (ALL)		
OMNI	10.7	75°
UKBE1E	62.7	326°
RW27L		
VUNV2A	42.8	42°
ZORZ1B	61.8	219°
RW27R		
VUNV2A	42.8	42°
ZORZ1B	61.8	219°

STAR starting points	distance	inbound direction
RW09 (ALL)		
EVRA1D	44.9	106°
EVRA1A	14.2	161°
SANP1A, VUNO1A	68.6	193°
EDMU1A	61.7	257°

RW27 (ALL)

EVRA1B, EVRA1C	44.9	106°
VUNO1C, VUNO1B	68.6	193°
EDMU1B	61.7	257°

## Holding patterns

STAR name	hold at	type	turn	heading*	altitude	leg	speed limit
EDMU1A	EDMUS	VHF	right	99 (279)°		1.0min timed	ICAO rules
EDMU1A	POLYP	VHF	right	95 (275)°		1.0min timed	ICAO rules
EDMU1B	EDMUS	VHF	right	99 (279)°		1.0min timed	ICAO rules
EDMU1B	POLYP	VHF	right	95 (275)°		1.0min timed	ICAO rules
EVRA1A	BUXUK	VHF	left	229 (49)°		1.0min timed	ICAO rules
EVRA1A	GR246	VHF	right	326 (146)°		1.0min timed	ICAO rules
EVRA1A	GR248	VHF	left	326 (146)°		1.0min timed	ICAO rules
EVRA1A	GR251	VHF	right	249 (69)°		1.0min timed	ICAO rules
EVRA1A	GR258	VHF	left	249 (69)°		1.0min timed	ICAO rules
EVRA1A	SANPA	VHF	right	22 (202)°		1.0min timed	ICAO rules
EVRA1B	BUXUK	VHF	left	229 (49)°		1.0min timed	ICAO rules
EVRA1B	GR246	VHF	right	326 (146)°		1.0min timed	ICAO rules
EVRA1B	GR248	VHF	left	326 (146)°		1.0min timed	ICAO rules
EVRA1B	GR251	VHF	right	249 (69)°		1.0min timed	ICAO rules
EVRA1B	GR258	VHF	left	249 (69)°		1.0min timed	ICAO rules
EVRA1B	SANPA	VHF	right	22 (202)°		1.0min timed	ICAO rules
EVRA1C	BUXUK	VHF	left	229 (49)°		1.0min timed	ICAO rules
EVRA1C	GR246	VHF	right	326 (146)°		1.0min timed	ICAO rules
EVRA1C	GR248	VHF	left	326 (146)°		1.0min timed	ICAO rules
EVRA1C	GR251	VHF	right	249 (69)°		1.0min timed	ICAO rules
EVRA1C	GR258	VHF	left	249 (69)°		1.0min timed	ICAO rules
EVRA1C	SANPA	VHF	right	22 (202)°		1.0min timed	ICAO rules
EVRA1D	BUXUK	VHF	left	229 (49)°		1.0min timed	ICAO rules
EVRA1D	GR246	VHF	right	326 (146)°		1.0min timed	ICAO rules
EVRA1D	GR248	VHF	left	326 (146)°		1.0min timed	ICAO rules
EVRA1D	GR251	VHF	right	249 (69)°		1.0min timed	ICAO rules
EVRA1D	GR258	VHF	left	249 (69)°		1.0min timed	ICAO rules
EVRA1D	SANPA	VHF	right	22 (202)°		1.0min timed	ICAO rules
SANP1A	GR262	VHF	left	30 (210)°		1.0min timed	ICAO rules
SANP1A	SANPA	VHF	right	22 (202)°		1.0min timed	ICAO rules
SANP1A	VUNOX	VHF	left	15 (195)°		1.0min timed	ICAO rules
VUNO1A	GR262	VHF	left	30 (210)°		1.0min timed	ICAO rules
VUNO1A	SANPA	VHF	right	22 (202)°		1.0min timed	ICAO rules
VUNO1A	VUNOX	VHF	left	15 (195)°		1.0min timed	ICAO rules
VUNO1B	GR262	VHF	left	30 (210)°		1.0min timed	ICAO rules
VUNO1B	SANPA	VHF	right	22 (202)°		1.0min timed	ICAO rules
VUNO1B	VUNOX	VHF	left	15 (195)°		1.0min timed	ICAO rules
VUNO1C	GR262	VHF	left	30 (210)°		1.0min timed	ICAO rules
VUNO1C	SANPA	VHF	right	22 (202)°		1.0min timed	ICAO rules
VUNO1C	VUNOX	VHF	left	15 (195)°		1.0min timed	ICAO rules

\*) magnetic outbound (inbound) holding course

## Disclaimer

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