

SBGR

Sao Paulo - Guarulhos

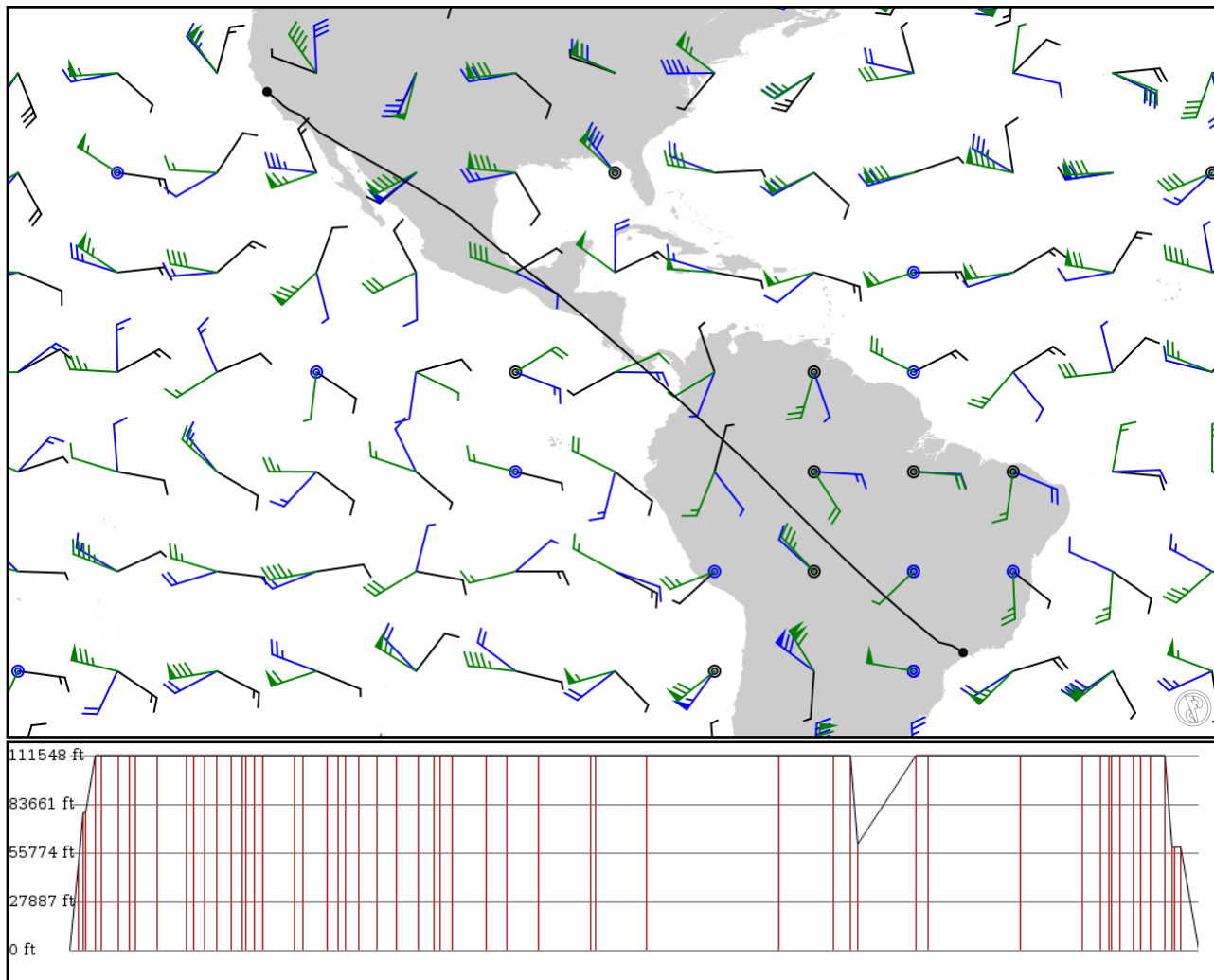
KSFO

San Francisco Intl

2024/05/01 0525Z

SBGR CPN **A304** GRADE **UW62** BRU **UL655** UGATA LIDAR **V29** NAU **UL655** PPE **J93** PDZ **J50** LANDO **J6** AVE **V137**
ROM **V485** RANCK KSFO

5660.53 nm / 10483.30 km



Notes

Basic altitude profile:

- Ascent Rate: 1200ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 38000ft
- Cruise Speed: 420kts
- Descent Rate: 2500ft/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	-	-23.43233	0 ft	-	Sao Paulo - Guarulhos
APT	-	-46.46968	0 m		
CPN	-	-23.00871	14,800 ft	44	CAMPINAS VOR-DME
VOR	-	-47.12904	4,511 m		
MANSE	A304	-22.76183	24,000 ft	27	-
FIX	AWY-LO	-47.53700	7,315 m		
GRADE	A304	-22.67417	24,000 ft	9	-
FIX	AWY-LO	-47.68117	7,315 m		
PORTE	UW62	-22.44917	34,000 ft	51	-
FIX	AWY-HI	-48.57917	10,363 m		
BRU	UW62	-22.31400	34,000 ft	30	BAURU NDB
NDB	AWY-HI	-49.10717	10,363 m		
DAKEM	UL655	-21.41767	34,000 ft	81	-
FIX	AWY-HI	-50.20600	10,363 m		
MAXIM	UL655	-20.74433	34,000 ft	59	-
FIX	AWY-HI	-50.98933	10,363 m		
NUTRI	UL655	-20.47717	34,000 ft	25	-
FIX	AWY-HI	-51.33533	10,363 m		
LIVER	UL655	-19.20783	34,000 ft	113	-
FIX	AWY-HI	-52.82450	10,363 m		
EGIMO	UL655	-17.57133	34,000 ft	144	-
FIX	AWY-HI	-54.69100	10,363 m		
ESTER	UL655	-17.17833	34,000 ft	34	-
FIX	AWY-HI	-55.13133	10,363 m		
ANGAS	UL655	-16.52342	34,000 ft	57	-
FIX	AWY-HI	-55.85792	10,363 m		
DIMER	UL655	-15.81300	34,000 ft	62	-
FIX	AWY-HI	-56.63817	10,363 m		
ISEKI	UL655	-15.01667	34,000 ft	69	-
FIX	AWY-HI	-57.50233	10,363 m		
ISENA	UL655	-14.36683	34,000 ft	56	-
FIX	AWY-HI	-58.20017	10,363 m		
UREVI	UL655	-14.17917	34,000 ft	16	-
FIX	AWY-HI	-58.40050	10,363 m		
CRONE	UL655	-13.68346	34,000 ft	42	-
FIX	AWY-HI	-58.91917	10,363 m		
MARIN	UL655	-13.16200	34,000 ft	45	-
FIX	AWY-HI	-59.47783	10,363 m		
TELIR	UL655	-11.29300	34,000 ft	160	-
FIX	AWY-HI	-61.42250	10,363 m		
REDON	UL655	-10.81950	34,000 ft	40	-
FIX	AWY-HI	-61.90917	10,363 m		
DIKAL	UL655	-9.40383	34,000 ft	120	-
FIX	AWY-HI	-63.35717	10,363 m		
BOGUR	UL655	-8.74863	34,000 ft	55	-
FIX	AWY-HI	-64.02092	10,363 m		
OGLAM	UL655	-8.33033	34,000 ft	35	-
FIX	AWY-HI	-64.44333	10,363 m		
MASON	UL655	-7.56317	34,000 ft	65	-
FIX	AWY-HI	-65.22967	10,363 m		
LANCE	UL655	-6.43450	34,000 ft	94	-
FIX	AWY-HI	-66.34017	10,363 m		
JURIS	UL655	-5.30100	34,000 ft	95	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-67.46383	10,363 m		
AKTOR	UL655	-4.00942	34,000 ft	108	-
FIX	AWY-HI	-68.73675	10,363 m		
ASAPA	UL655	-3.02092	34,000 ft	83	-
FIX	AWY-HI	-69.71425	10,363 m		
PABON	UL655	-2.71194	34,000 ft	26	-
FIX	AWY-HI	-70.02139	10,363 m		
GALOR	UL655	-1.98083	34,000 ft	65	-
FIX	AWY-HI	-70.82361	10,363 m		
SIMAT	UL655	-0.06694	34,000 ft	170	-
FIX	AWY-HI	-72.92000	10,363 m		
DABAX	UL655	1.04667	34,000 ft	98	-
FIX	AWY-HI	-74.13194	10,363 m		
ESARO	UL655	2.86500	34,000 ft	162	-
FIX	AWY-HI	-76.12806	10,363 m		
ASEPI	UL655	5.75306	34,000 ft	258	-
FIX	AWY-HI	-79.32222	10,363 m		
ASIBO	UL655	6.00233	34,000 ft	24	-
FIX	AWY-HI	-79.63861	10,363 m		
EGODI	UL655	8.86167	34,000 ft	255	-
FIX	AWY-HI	-82.81833	10,363 m		
ASOKU	UL655	16.07694	34,000 ft	662	-
FIX	AWY-HI	-91.38222	10,363 m		
UGATA	UL655	18.99972	34,000 ft	277	-
FIX	AWY-HI	-95.14472	10,363 m		
LIDAR	-	19.97497	34,000 ft	81	-
FIX	-	-96.13434	10,363 m		
NAU	V29	20.19175	18,500 ft	36	NAUTLA VOR-DME
VOR	AWY-LO	-96.74550	5,639 m		
IREKO	UL655	23.48333	34,000 ft	293	-
FIX	AWY-HI	-100.64722	10,363 m		
CDR	UL655	24.15972	34,000 ft	61	CONCEPCION VOR-DME
VOR	AWY-HI	-101.48739	10,363 m		
UDIPO	UL655	28.59596	34,000 ft	461	-
FIX	AWY-HI	-108.50000	10,363 m		
PPE	UL655	31.35425	34,000 ft	309	PENASCO VOR-DME
VOR	AWY-HI	-113.51939	10,363 m		
ALTAR	J93	32.23731	34,000 ft	92	-
FIX	AWY-HI	-115.00446	10,363 m		
ASUTA	J93	32.65258	34,000 ft	41	-
FIX	AWY-HI	-115.65292	10,363 m		
GWIRE	J93	32.75868	34,000 ft	14	-
FIX	AWY-HI	-115.90634	10,363 m		
JLI	J93	33.14047	34,000 ft	41	JULIAN VORTAC
VOR	AWY-HI	-116.58594	10,363 m		
PDZ	J93	33.91833	34,000 ft	66	PARADISE VORTAC
VOR	AWY-HI	-117.53000	10,363 m		
BOILE	J50	34.42244	34,000 ft	39	-
FIX	AWY-HI	-118.02585	10,363 m		
LANDO	J50	35.01243	34,000 ft	45	-
FIX	AWY-HI	-118.61637	10,363 m		
AVE	J6	35.64697	34,000 ft	76	AVENAL VORTAC
VOR	AWY-HI	-119.97861	10,363 m		
OKEEF	V137	36.06500	18,000 ft	37	-
FIX	AWY-LO	-120.55917	5,486 m		
ROM	V137	36.14039	18,000 ft	6	PRIEST VOR

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
VOR	AWY-LO	-120.66492	5,486 m		
RANCK	V485	36.59164	18,000 ft	34	-
FIX	AWY-LO	-121.10288	5,486 m		
KSFO	-	37.61867	0 ft	86	San Francisco Intl
APT	-	-122.37501	0 m		

SBGR

Region: BRAZIL
Timezone: AMERICA/SAO_PAULO
Runways: 2

Elevation: 2,461 ft / 750 m
Location: -23.432300 -46.469500
Magnetic Var: 22.206 W

METAR

SBGR 010500Z 00000KT CAVOK 17/16 Q1017

TAF

TAF SBGR 302200Z 0100/0206 05005KT CAVOK TN19/0109Z TX31/0118Z BECMG 0102/0104 7000 NSC PROB30 0108/0110 3000 BR B

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

KSFO

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

Elevation: 13 ft / 4 m
Location: 37.618500 -122.375000
Magnetic Var: 12.846 E

METAR

KSFO 010456Z 27018KT 10SM FEW200 12/07 A3001 RMK AO2 SLP162 T01170067

TAF

KSFO 010312Z 0103/0206 29020G28KT P6SM SKC FM010400 28013KT P6SM SKC FM010900 28007KT P6SM SKC WS020/01030KT FM01

Frequencies

REC - 113.70 MHz - D-ATIS	REC - 115.80 MHz - D-ATIS
REC - 118.85 MHz - D-ATIS	COM - 122.95 MHz - UNICOM
CLD - 118.20 MHz -	GND - 121.80 MHz - SAN FRANCISCO GROUND
SAN FRANCISCO CLEARANCE DELIVERY	APP - 134.50 MHz - NORCAL APPROACH
TWR - 120.50 MHz - SAN FRANCISCO TOWER	APP - 128.57 MHz - NORCAL APPROACH
APP - 128.32 MHz - NORCAL APPROACH	DEP - 120.90 MHz - NORCAL DEPARTURE
APP - 133.95 MHz - NORCAL APPROACH	
DEP - 135.10 MHz - NORCAL DEPARTURE	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
10L	200 ft	11,859 ft	117.90	ASPHALT	0 ft	876 ft
	61 m	3,615 m	105.05		0 m	267 m
28R	200 ft	11,859 ft	297.92	ASPHALT	302 ft	318 ft
	61 m	3,615 m	285.07		92 m	97 m
10R	200 ft	11,371 ft	117.90	ASPHALT	0 ft	748 ft
	61 m	3,466 m	105.05		0 m	228 m
28L	200 ft	11,371 ft	297.92	ASPHALT	305 ft	322 ft
	61 m	3,466 m	285.07		93 m	98 m
01R	200 ft	8,665 ft	27.71	ASPHALT	564 ft	404 ft
	61 m	2,641 m	14.87		172 m	123 m
19L	200 ft	8,665 ft	207.72	ASPHALT	0 ft	443 ft
	61 m	2,641 m	194.87		0 m	135 m
01L	200 ft	7,664 ft	27.71	ASPHALT	643 ft	469 ft
	61 m	2,336 m	14.87		196 m	143 m
19R	200 ft	7,664 ft	207.72	ASPHALT	0 ft	446 ft
	61 m	2,336 m	194.87		0 m	136 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
19L	DME	ISIA	108.90 MHz	18 nm	-	-	24 ft
				33 km	-		24 m
28L	DME	ISFO	109.55 MHz	18 nm	-	-	22 ft
				33 km	-		22 m
28R	DME	IGWQ	111.70 MHz	18 nm	-	-	17 ft
				33 km	-		17 m
28R	DME	IFNP	110.75 MHz	18 nm	-	-	13 ft
				33 km	-		13 m
19L	LOC-ILS	ISIA	108.90 MHz	18 nm	207.72	-	13 ft
				33 km	194.87		13 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
28L	LOC-ILS	ISFO	109.55 MHz	18 nm	297.91	-	13 ft
				33 km	285.06		13 m
28R	LOC-ILS	IGWQ	111.70 MHz	18 nm	297.91	-	13 ft
				33 km	285.06		13 m
19L	GS	ISIA	108.90 MHz	10 nm	207.72	3.00	13 ft
				19 km	194.87		13 m
28L	GS	ISFO	109.55 MHz	10 nm	297.91	2.85	13 ft
				19 km	285.06		13 m
28R	GS	IGWQ	111.70 MHz	10 nm	297.91	3.00	13 ft
				19 km	285.06		13 m