

# HAAB

BOLE INTL

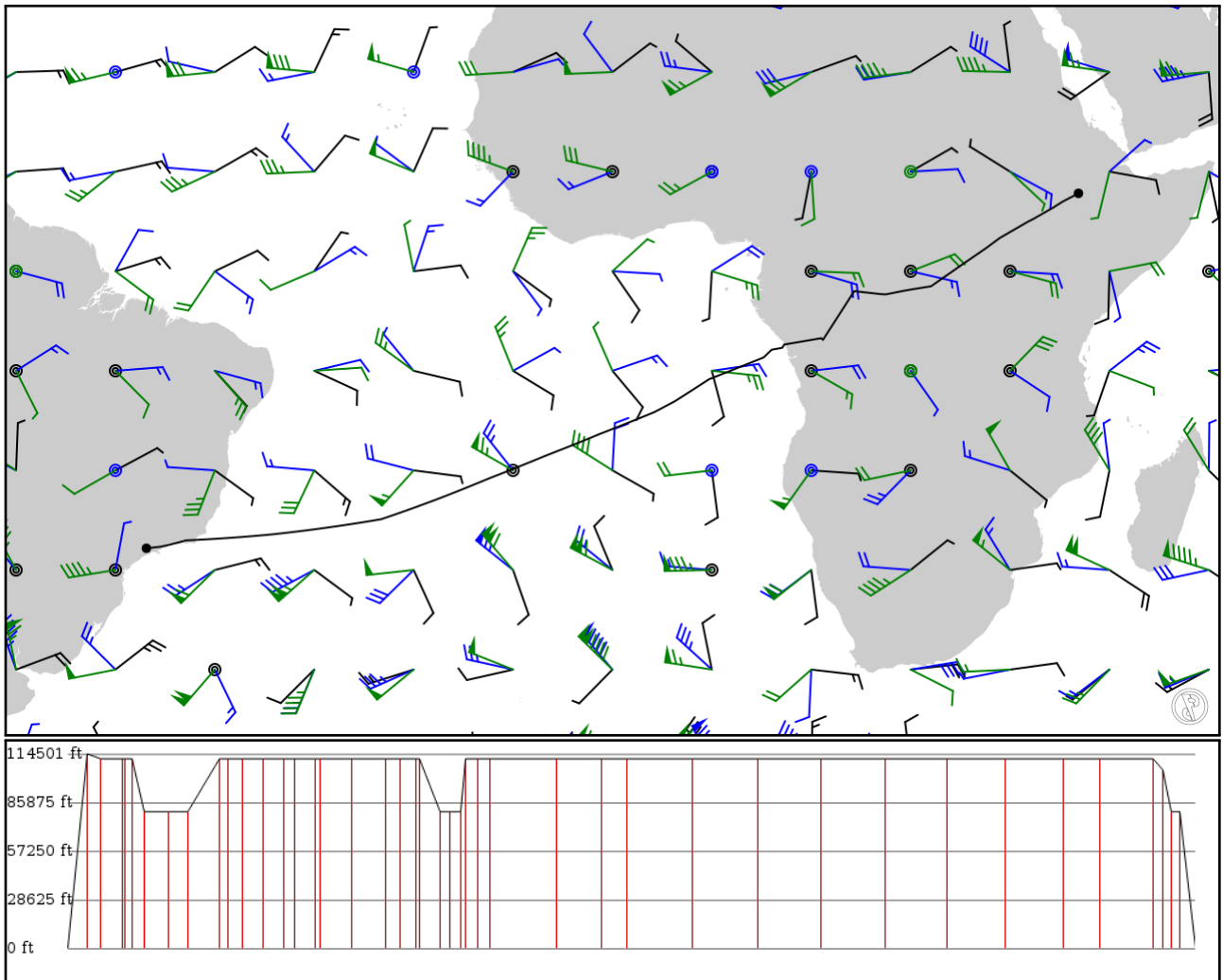
# SBGR

Sao Paulo - Guarulhos

2024/05/11 0228Z

HAAB KOFTA **B535** DAGAP **B535F** SAGBU **UB535F** EDAGA **B535F** ARMEN **UB535F** KGI **UH10F** MBA **UV30** KSA BZ **B732**  
IT **UW118** LIKAD ARAKI 600S01000E 800S0500E APNUK 1100S0000E 1300S0500W 1500S01000W 1700S01500W  
1900S02000W ARENU **UL340** PCX **UW63** COSME SBGR

5491.09 nm / 10169.50 km



## Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 420ft
- 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
HAAB	-	8.97789	0 ft	-	BOLE INTL
APT	-	38.79932	0 m		
KOFTA	-	8.21606	34,900 ft	97	-
FIX	-	37.34458	10,638 m		
APKOD	B535	7.64367	34,000 ft	64	-
FIX	AWY-HI	36.43575	10,363 m		
IMTOR	B535	6.75333	34,000 ft	107	-
FIX	AWY-HI	34.86667	10,363 m		
EPSIX	B535	6.63567	34,000 ft	13	-
FIX	AWY-HI	34.66708	10,363 m		
DAGAP	B535	6.40000	34,000 ft	31	-
FIX	AWY-HI	34.20000	10,363 m		
TAPOS	B535F	5.90233	24,500 ft	59	-
FIX	AWY-LO	33.33391	7,468 m		
JUB	B535F	4.88866	24,500 ft	121	JUBA VOR-DME
VOR	AWY-LO	31.58150	7,468 m		
SAGBU	B535F	4.00000	24,500 ft	89	-
FIX	AWY-LO	30.38333	7,468 m		
EDAGA	UB535F	2.51547	34,000 ft	157	-
FIX	AWY-HI	28.21990	10,363 m		
ARMEN	B535F	2.15050	34,000 ft	38	-
FIX	AWY-HI	27.69488	10,363 m		
EDATO	UB535F	1.44555	34,000 ft	74	-
FIX	AWY-HI	26.68152	10,363 m		
KGI	UB535F	0.49258	34,000 ft	100	BANGOKA VOR-DME
VOR	AWY-HI	25.31343	10,363 m		
RINUT	UH10F	0.22732	34,000 ft	100	-
FIX	AWY-HI	23.66894	10,363 m		
EDLAM	UH10F	0.08704	34,000 ft	49	-
FIX	AWY-HI	22.86242	10,363 m		
BUMEL	UH10F	-0.24597	34,000 ft	102	-
FIX	AWY-HI	21.18971	10,363 m		
BDE	UH10F	-0.23597	34,000 ft	22	BOENDE NDB
NDB	AWY-HI	20.81637	10,363 m		
MBA	UH10F	0.04734	34,000 ft	153	MBANDAKA VOR-DME
VOR	AWY-HI	18.28297	10,363 m		
NEMAP	UV30	-2.32335	34,000 ft	169	-
FIX	AWY-HI	16.76167	10,363 m		
IPOLU	UV30	-3.31000	34,000 ft	70	-
FIX	AWY-HI	16.12668	10,363 m		
KSA	UV30	-4.40474	34,000 ft	78	NDJILI VOR-DME
VOR	AWY-HI	15.41820	10,363 m		
BZ	-	-4.24561	34,000 ft	13	BRAZZAVILLE MAYA MAYA VOR-DME
VOR	-	15.26381	10,363 m		
VORAX	B732	-4.53778	24,500 ft	102	-
FIX	AWY-LO	13.57722	7,468 m		
APIVA	B732	-4.67583	24,500 ft	48	-
FIX	AWY-LO	12.77250	7,468 m		
IT	B732	-4.82322	24,500 ft	53	POINTE NOIRE VOR
VOR	AWY-LO	11.88744	7,468 m		
LIKAD	UW118	-5.12333	34,000 ft	21	-
FIX	AWY-HI	11.70278	10,363 m		
ARAKI	-	-5.30000	34,000 ft	58	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	-	10.73333	10,363 m		
600S01000E	-	-6.00000	34,000 ft	60	-
LATLON	-	10.00000	10,363 m		
800S0500E	-	-8.00000	34,000 ft	321	-
LATLON	-	5.00000	10,363 m		
APNUK	-	-10.00000	34,000 ft	220	-
FIX	-	1.88500	10,363 m		
1100S0000E	-	-11.00000	34,000 ft	126	-
LATLON	-	0.00000	10,363 m		
1300S0500W	-	-13.00000	34,000 ft	317	-
LATLON	-	-5.00000	10,363 m		
1500S01000W	-	-15.00000	34,000 ft	315	-
LATLON	-	-10.00000	10,363 m		
1700S01500W	-	-17.00000	34,000 ft	312	-
LATLON	-	-15.00000	10,363 m		
1900S02000W	-	-19.00000	34,000 ft	309	-
LATLON	-	-20.00000	10,363 m		
ARENU	-	-20.78383	34,000 ft	302	-
FIX	-	-25.00033	10,363 m		
ATASA	UL340	-21.55050	34,000 ft	283	-
FIX	AWY-HI	-30.00033	10,363 m		
PILOT	UL340	-22.16717	34,000 ft	281	-
FIX	AWY-HI	-35.00033	10,363 m		
EKALO	UL340	-22.43383	34,000 ft	175	-
FIX	AWY-HI	-38.14717	10,363 m		
PCX	UL340	-22.71533	34,000 ft	261	PORTO VOR-DME
VOR	AWY-HI	-42.85750	10,363 m		
SCR	UW63	-22.94963	32,000 ft	50	-
VOR	AWY-HI	-43.72768	9,754 m		
CANO	UW63	-23.11883	24,500 ft	40	-
APT	AWY-HI	-44.43383	7,468 m		
COSME	UW63	-23.27683	24,500 ft	38	-
FIX	AWY-HI	-45.10717	7,468 m		
SBGR	-	-23.43233	0 ft	75	Sao Paulo - Guarulhos
APT	-	-46.46968	0 m		

## HAAB

Region: ETHIOPIA  
Timezone: AFRICA/ADDIS\_ABABA  
Runways: 2

Elevation: 7,625 ft / 2,324 m  
Location: 8.977930 38.799300  
Magnetic Var: 2.570 E

## METAR

HAAB 110200Z 36004KT 9999 BKN024 15/13 Q1027 NOSIG

## TAF

TAF TAF HAAB 102130Z 1100/1206 09007 KT 9999 SCT025 SCT070 BECMG 1100/1104 36004KT BECMG 1108/1112 09004KT 9000 -R

## Frequencies

REC - 128.50 MHz - BOLE ATIS  
TWR - 118.10 MHz - BOLE TOWER

GND - 121.90 MHz - BOLE GROUND  
APP - 119.70 MHz - BOLE APPROACH

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
07R	148 ft	12,456 ft	73.56	ASPHALT	1,175 ft	0 ft
	45 m	3,797 m	70.99		358 m	0 m
25L	148 ft	12,456 ft	253.56	ASPHALT	1,175 ft	0 ft
	45 m	3,797 m	251.00		358 m	0 m
07L	148 ft	12,134 ft	73.56	ASPHALT	817 ft	0 ft
	45 m	3,698 m	70.99		249 m	0 m
25R	148 ft	12,134 ft	253.57	ASPHALT	1,243 ft	0 ft
	45 m	3,698 m	251.00		379 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
25L	LOC-ILS	ADS	112.90 MHz	18 nm	253.56	-	7,625 ft
				33 km	250.99		7,625 m

## SBGR

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

Elevation: 2,461 ft / 750 m  
Location: -23.432300 -46.469500  
Magnetic Var: 22.210 W

## METAR

SBGR 110200Z 00000KT 8000 NSC 19/18 Q1018

## TAF

TAF SBGR 102200Z 1100/1206 07005KT CAVOK TN18/1109Z TX30/1118Z PROB30 1107/1111 5000 BR BKN009 BECMG 1113/1115 3000

## 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	275.80		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