

ZBAA

CAPITAL INTL

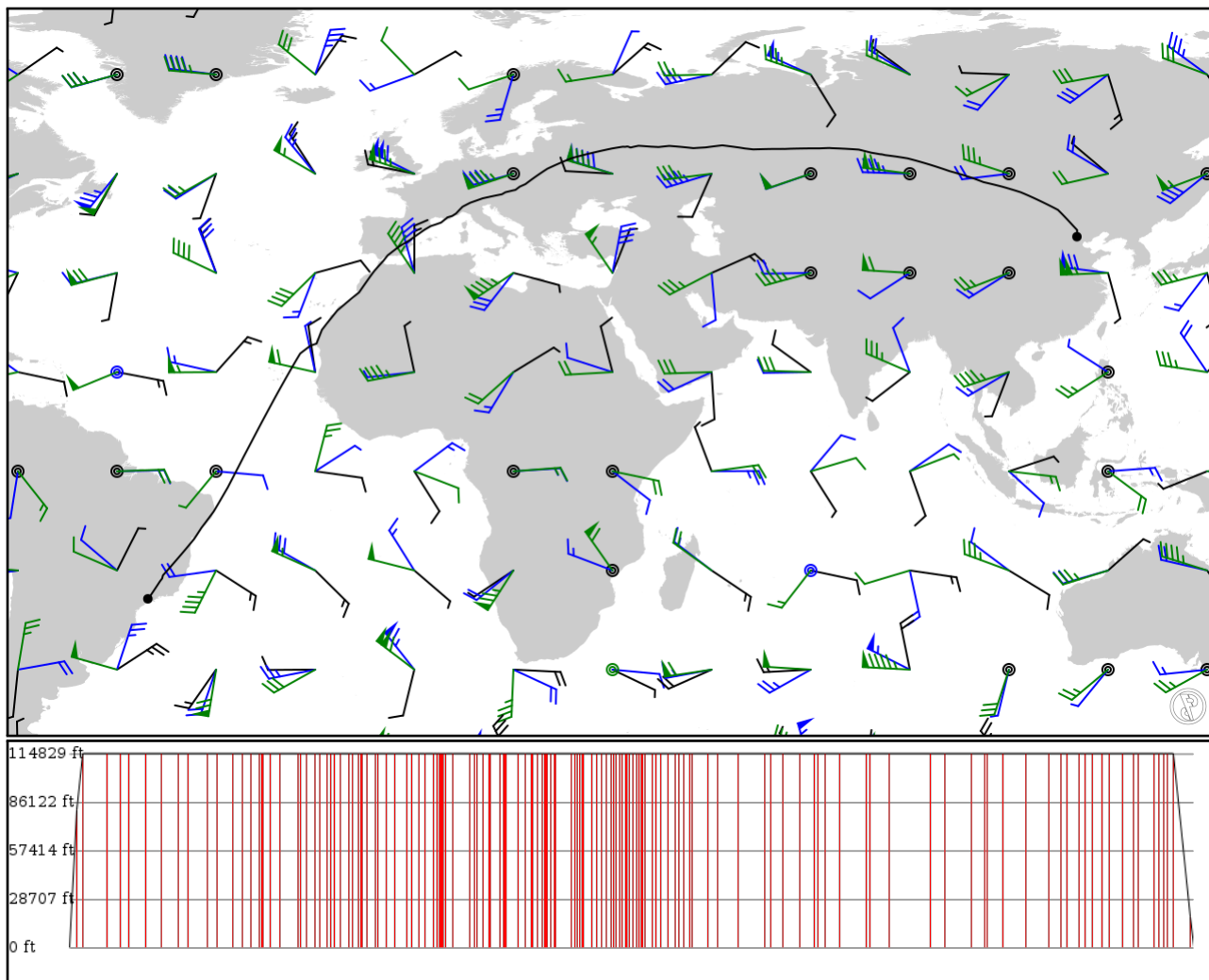
SBGR

Sao Paulo - Guarulhos

2024/05/29 0127Z

ZBAA GM B339 UDA A575 UNWW R480 POGUB POGUB R480 BN R481 IMANA R834 OGMAN R480 ROLEP G553 NOGRI
A300 OK R488 RP R480 CW R489 MF CRDR9 RW 6E5 BP KS01 6E12 UM CRDR3 FK A104 MOSON UA104 MNS L999
RILAB UL999 ADOKI L999 SUPAK UL999 DBV M985 LEDRI L725 SNU M138 PUBEG M984 LUSIL UM984 GANGU
MAXIR UN870 SOSUR N86 MAMES G7 BCN B28 VLC UM985 YES B28 MGA B11 GALTO UN869 ADM UA600 SOLNA A600
LAY A600F DKH B600G LOLOS A600F MAURI AMDIB GUNET UN857 FNO UB623 REC UW58 DEPOT UW13 TEXAS SBGR

9654.48 nm / 17880.10 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
ZBAA	-	40.08012	0 ft	-	CAPITAL INTL
APT	-	116.58456	0 m		
GM	-	41.23667	24,800 ft	69	FENGNING NDB
NDB	-	116.62667	7,559 m		
SALIS	B339	41.95833	35,000 ft	52	-
FIX	AWY-LO	115.95167	10,668 m		
POLHO	B339	44.78333	35,000 ft	206	-
FIX	AWY-LO	113.25000	10,668 m		
DEGIR	B339	45.83958	35,000 ft	107	-
FIX	AWY-LO	111.18493	10,668 m		
ARGAT	B339	46.60889	35,000 ft	81	-
FIX	AWY-LO	109.57972	10,668 m		
UDA	B339	47.86775	35,000 ft	138	ULAANBAATAR VOR-DME
VOR	AWY-LO	106.73359	10,668 m		
BU	A575	48.85425	35,000 ft	142	BULGAN NDB
NDB	AWY-LO	103.48553	10,668 m		
MU	A575	49.65294	35,000 ft	138	MUREN NDB
NDB	AWY-LO	100.17446	10,668 m		
DARNO	A575	50.35667	35,000 ft	83	-
FIX	AWY-LO	98.29500	10,668 m		
KZL	A575	51.59000	35,000 ft	171	KYZYL VOR-DME
VOR	AWY-LO	94.20667	10,668 m		
NARBI	A575	52.20000	35,000 ft	76	-
FIX	AWY-LO	92.40500	10,668 m		
LOBIR	A575	53.24722	35,000 ft	140	-
FIX	AWY-LO	88.96111	10,668 m		
UNWW	A575	53.81000	35,000 ft	81	-
APT	AWY-LO	86.87833	10,668 m		
NILAN	R480	54.10722	35,000 ft	67	-
FIX	AWY-LO	85.03611	10,668 m		
NR	R480	54.38750	35,000 ft	75	NOVOLOKTI NDB
NDB	AWY-LO	82.93389	10,668 m		
POGUB	R480	54.55056	35,000 ft	26	-
FIX	AWY-LO	82.21417	10,668 m		
POGUB	-	54.51667	35,000 ft	2	-
FIX	-	82.20007	10,668 m		
GR02	R480	54.81667	35,000 ft	62	-
APT	AWY-LO	80.46667	10,668 m		
SZ	R480	55.35694	35,000 ft	81	BARABINSK NDB
NDB	AWY-LO	78.30278	10,668 m		
OVRUS	R480	55.60000	35,000 ft	159	-
FIX	AWY-LO	73.65000	10,668 m		
LF	R480	55.63417	35,000 ft	18	BAZHENOVO NDB
NDB	AWY-LO	73.10583	10,668 m		
KEDUL	R480	55.56667	35,000 ft	59	-
FIX	AWY-LO	71.35000	10,668 m		
PEMAG	R480	55.56361	35,000 ft	73	-
FIX	AWY-LO	69.19389	10,668 m		
ABALI	R480	55.54528	35,000 ft	39	-
FIX	AWY-LO	68.02056	10,668 m		
ARLAD	R480	55.51028	35,000 ft	56	-
FIX	AWY-LO	66.36194	10,668 m		
USUU	R480	55.47500	35,000 ft	32	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
APT	AWY-LO	65.41667	10,668 m		
BEKAT	R480	55.47528	35,000 ft	32	-
FIX	AWY-LO	64.46528	10,668 m		
BN	R480	55.46667	35,000 ft	49	BOLSHAYA NIKOLAYEVKA NDB
NDB	AWY-LO	63.01667	10,668 m		
ARGIT	R481	55.42028	35,000 ft	73	-
FIX	AWY-LO	60.85528	10,668 m		
IMANA	R481	55.39194	35,000 ft	37	-
FIX	AWY-LO	59.76528	10,668 m		
OGMAN	R834	55.55528	35,000 ft	51	-
FIX	AWY-LO	58.29000	10,668 m		
AKASI	R480	55.61528	35,000 ft	12	-
FIX	AWY-LO	57.93000	10,668 m		
KOLIR	R480	55.70361	35,000 ft	19	-
FIX	AWY-LO	57.36833	10,668 m		
ROLEP	R480	55.83361	35,000 ft	33	-
FIX	AWY-LO	56.41667	10,668 m		
NOGRI	G553	56.10028	35,000 ft	71	-
FIX	AWY-LO	54.34833	10,668 m		
KOTAG	A300	56.00694	35,000 ft	27	-
FIX	AWY-LO	53.53833	10,668 m		
HJ	A300	55.73333	35,000 ft	73	MAMADYSH NDB
NDB	AWY-LO	51.39833	10,668 m		
KZN	A300	55.60583	35,000 ft	72	KAZAN VOR-DME
VOR	AWY-LO	49.27250	10,668 m		
GOLIR	A300	55.88333	35,000 ft	95	-
FIX	AWY-LO	46.48333	10,668 m		
OK	A300	56.00000	35,000 ft	49	LYSKOVO NDB
NDB	AWY-LO	45.03139	10,668 m		
RP	R488	55.80000	35,000 ft	63	SOSNOVSKOYE NDB
NDB	AWY-LO	43.16472	10,668 m		
CW	R480	55.86778	35,000 ft	46	KRASNAYA GORBATKA NDB
NDB	AWY-LO	41.78444	10,668 m		
MF	R489	56.02611	35,000 ft	72	LARIONOVO NDB
NDB	AWY-LO	39.63417	10,668 m		
ITINA	CRDR9	55.81667	35,000 ft	34	-
FIX	AWY-LO	38.66667	10,668 m		
RW	CRDR9	55.71139	35,000 ft	16	MARYINO NDB
NDB	AWY-LO	38.22806	10,668 m		
VINLI	6E5	55.86667	35,000 ft	15	-
FIX	AWY-LO	37.85000	10,668 m		
BP	6E5	55.90000	35,000 ft	5	CHELOBITYEVO NDB
NDB	AWY-LO	37.68333	10,668 m		
KS01	-	55.83333	35,000 ft	14	-
APT	-	37.26667	10,668 m		
UM	6E12	55.86194	35,000 ft	12	IVANOVSKOYE NDB
NDB	AWY-LO	36.91111	10,668 m		
FK	CRDR3	55.55528	35,000 ft	66	GAGARIN NDB
NDB	AWY-LO	35.02194	10,668 m		
MOSON	A104	54.66833	35,000 ft	146	-
FIX	AWY-LO	31.04139	10,668 m		
PASUD	UA104	54.39333	35,000 ft	41	-
FIX	AWY-LO	29.93333	10,668 m		
ABKOM	UA104	54.29333	35,000 ft	14	-
FIX	AWY-LO	29.54667	10,668 m		
MNS	UA104	53.88500	35,000 ft	59	MINSK-2 VOR-DME

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
VOR	AWY-LO	28.02167	10,668 m		
KOLOS	L999	53.45667	35,000 ft	45	-
FIX	AWY-LO	26.95833	10,668 m		
BUSIN	L999	53.27500	35,000 ft	19	-
FIX	AWY-LO	26.51667	10,668 m		
DOMAN	L999	52.55167	35,000 ft	74	-
FIX	AWY-LO	24.84333	10,668 m		
RAVOK	L999	52.21333	35,000 ft	34	-
FIX	AWY-LO	24.09500	10,668 m		
KUSIP	L999	52.12333	35,000 ft	8	-
FIX	AWY-LO	23.90000	10,668 m		
TOSPO	L999	52.01639	35,000 ft	10	-
FIX	AWY-LO	23.66472	10,668 m		
RILAB	L999	50.76528	35,000 ft	102	-
FIX	AWY-LO	21.80333	10,668 m		
ADOKI	UL999	49.93583	35,000 ft	66	-
FIX	AWY-HI	20.64583	10,668 m		
SUPAK	L999	49.30361	35,000 ft	50	-
FIX	AWY-LO	19.79972	10,668 m		
REDSI	UL999	49.23333	35,000 ft	7	-
FIX	AWY-HI	19.63944	10,668 m		
DBV	UL999	48.85807	35,000 ft	40	DUBOVE NDB
NDB	AWY-HI	18.79941	10,668 m		
NIT	M985	48.29044	35,000 ft	45	NITRA VOR-DME
VOR	AWY-LO	18.05064	10,668 m		
JAN	M985	48.17861	35,000 ft	21	JANOVCE VOR-DME
VOR	AWY-LO	17.54472	10,668 m		
XENAK	M985	48.11865	35,000 ft	10	-
FIX	AWY-LO	17.29881	10,668 m		
LEDRI	M985	48.09089	35,000 ft	4	-
FIX	AWY-LO	17.18285	10,668 m		
ABLOM	L725	48.06757	35,000 ft	4	-
FIX	AWY-LO	17.08770	10,668 m		
SNU	L725	47.87488	35,000 ft	34	SOLLENAU VOR-DME
VOR	AWY-LO	16.28844	10,668 m		
PUBEG	M138	47.51124	35,000 ft	33	-
FIX	AWY-LO	15.66199	10,668 m		
OSPEN	M984	47.48529	35,000 ft	5	-
FIX	AWY-LO	15.52742	10,668 m		
DE TSA	M984	46.80250	35,000 ft	138	-
FIX	AWY-LO	12.28111	10,668 m		
BAKOR	M984	46.60889	35,000 ft	25	-
FIX	AWY-LO	11.72861	10,668 m		
BZO	M984	46.46389	35,000 ft	18	BOLZANO NDB
NDB	AWY-LO	11.32222	10,668 m		
RENTA	M984	46.30556	35,000 ft	21	-
FIX	AWY-LO	10.86361	10,668 m		
GIGGI	M984	46.15417	35,000 ft	20	-
FIX	AWY-LO	10.43028	10,668 m		
LUSIL	M984	46.04306	35,000 ft	14	-
FIX	AWY-LO	10.11667	10,668 m		
EVANO	UM984	45.33750	35,000 ft	70	-
FIX	AWY-HI	8.76083	10,668 m		
NEDED	UM984	44.69389	35,000 ft	46	-
FIX	AWY-HI	8.14056	10,668 m		
VAMTU	UM984	44.14556	35,000 ft	39	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	7.62528	10,668 m		
KOLON	UM984	43.72194	35,000 ft	38	-
FIX	AWY-HI	6.95333	10,668 m		
GANGU	UM984	43.46306	35,000 ft	40	-
FIX	AWY-HI	6.08472	10,668 m		
MAXIR	-	43.39556	35,000 ft	4	-
FIX	-	6.04056	10,668 m		
ADITA	UN870	43.22861	35,000 ft	13	-
FIX	AWY-HI	5.82889	10,668 m		
ROTIS	UN870	42.96667	35,000 ft	21	-
FIX	AWY-HI	5.50000	10,668 m		
SOSUR	UN870	42.56028	35,000 ft	32	-
FIX	AWY-HI	4.99750	10,668 m		
BALMO	N86	42.41667	35,000 ft	20	-
FIX	AWY-LO	4.58528	10,668 m		
MAMES	N86	42.20917	35,000 ft	28	-
FIX	AWY-LO	4.00028	10,668 m		
BISBA	G7	42.08639	35,000 ft	18	-
FIX	AWY-LO	3.62580	10,668 m		
BGR	G7	41.94769	35,000 ft	20	BAGUR VOR-DME
VOR	AWY-LO	3.20886	10,668 m		
LANDA	G7	41.68433	35,000 ft	25	-
FIX	AWY-LO	2.75133	10,668 m		
BCN	G7	41.30712	35,000 ft	36	BARCELONA VOR-DME
VOR	AWY-LO	2.10781	10,668 m		
BARUS	B28	41.05147	35,000 ft	22	-
FIX	AWY-LO	1.73040	10,668 m		
PEXOT	B28	40.86077	35,000 ft	17	-
FIX	AWY-LO	1.45195	10,668 m		
EBROX	B28	40.70873	35,000 ft	13	-
FIX	AWY-LO	1.23178	10,668 m		
LOTOS	B28	40.54969	35,000 ft	14	-
FIX	AWY-LO	1.00298	10,668 m		
SOPET	B28	39.83384	35,000 ft	63	-
FIX	AWY-LO	-0.00468	10,668 m		
VLC	B28	39.48565	35,000 ft	30	VALENCIA VOR-DME
VOR	AWY-LO	-0.48304	10,668 m		
ASTRO	UM985	39.02438	35,000 ft	45	-
FIX	AWY-HI	-1.26300	10,668 m		
YES	UM985	38.36078	35,000 ft	64	YESTE VOR-DME
VOR	AWY-HI	-2.35275	10,668 m		
BAZAS	B28	37.73441	35,000 ft	54	-
FIX	AWY-LO	-3.18521	10,668 m		
VIBAS	B28	37.39222	35,000 ft	29	-
FIX	AWY-LO	-3.63085	10,668 m		
MGA	B28	36.81431	35,000 ft	49	MALAGA VOR-DME
VOR	AWY-LO	-4.36952	10,668 m		
PIMOS	B11	36.15027	35,000 ft	47	-
FIX	AWY-LO	-4.89346	10,668 m		
GALTO	B11	35.83333	35,000 ft	22	-
FIX	AWY-LO	-5.14361	10,668 m		
RBT	UN869	34.05000	35,000 ft	133	RABAT VOR-DME
VOR	AWY-HI	-6.74639	10,668 m		
BIBAD	UN869	32.85472	35,000 ft	84	-
FIX	AWY-HI	-7.62056	10,668 m		
ADM	UN869	30.32194	35,000 ft	176	AGADIR VOR-DME

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
VOR	AWY-HI	-9.38333	10,668 m		
SOLNA	UA600	27.66667	35,000 ft	232	-
FIX	AWY-HI	-12.59528	10,668 m		
LAY	A600	27.14285	35,000 ft	45	LAAYOUNE VOR-DME
VOR	AWY-LO	-13.21795	10,668 m		
ARENA	A600F	25.72809	35,000 ft	104	-
FIX	AWY-LO	-14.35859	10,668 m		
DKH	A600F	23.73977	35,000 ft	146	DAKHLA VOR-DME
VOR	AWY-LO	-15.92632	10,668 m		
LOLOS	B600G	21.85000	35,000 ft	120	-
FIX	AWY-LO	-16.66667	10,668 m		
MAURI	A600F	21.33333	35,000 ft	32	-
FIX	AWY-LO	-16.86667	10,668 m		
AMDIB	-	20.91667	35,000 ft	68	-
FIX	-	-18.00000	10,668 m		
GUNET	-	19.59500	35,000 ft	125	-
FIX	-	-19.73500	10,668 m		
UGAMA	UN857	16.28667	35,000 ft	227	-
FIX	AWY-HI	-21.67000	10,668 m		
ORABI	UN857	15.93833	35,000 ft	23	-
FIX	AWY-HI	-21.87000	10,668 m		
BOTNO	UN857	13.50000	35,000 ft	166	-
FIX	AWY-HI	-23.24167	10,668 m		
DELAX	UN857	8.33667	35,000 ft	351	-
FIX	AWY-HI	-26.05167	10,668 m		
MAROA	UN857	6.43556	35,000 ft	129	-
FIX	AWY-HI	-27.06177	10,668 m		
ERETU	UN857	3.12833	35,000 ft	224	-
FIX	AWY-HI	-28.80000	10,668 m		
NOISE	UN857	1.39450	35,000 ft	117	-
FIX	AWY-HI	-29.70917	10,668 m		
CLOVE	UN857	1.09517	35,000 ft	20	-
FIX	AWY-HI	-29.86083	10,668 m		
NEURA	UN857	-0.93633	35,000 ft	137	-
FIX	AWY-HI	-30.91417	10,668 m		
FNO	UN857	-3.87020	35,000 ft	198	FERNANDO VOR-DME
VOR	AWY-HI	-32.42932	10,668 m		
ESGUM	UB623	-6.62583	35,000 ft	191	-
FIX	AWY-HI	-34.03733	10,668 m		
REC	UB623	-8.13659	35,000 ft	105	RECIFE VOR-DME
VOR	AWY-HI	-34.92730	10,668 m		
POTRO	UW58	-8.80833	35,000 ft	50	-
FIX	AWY-HI	-35.42917	10,668 m		
ORAGO	UW58	-10.31467	35,000 ft	112	-
FIX	AWY-HI	-36.56317	10,668 m		
ACJ	UW58	-10.98810	35,000 ft	50	ARACAJU NDB
NDB	AWY-HI	-37.07369	10,668 m		
NICAR	UW58	-11.81667	35,000 ft	58	-
FIX	AWY-HI	-37.61017	10,668 m		
SVD	UW58	-12.90642	35,000 ft	77	SALVADOR VOR-DME
VOR	AWY-HI	-38.32136	10,668 m		
JUDAS	UW58	-13.81617	35,000 ft	70	-
FIX	AWY-HI	-39.07583	10,668 m		
GONZA	UW58	-15.20617	35,000 ft	107	-
FIX	AWY-HI	-40.24400	10,668 m		
LIBRA	UW58	-16.51567	35,000 ft	101	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-41.36367	10,668 m		
SAGAZ	UW58	-16.98550	35,000 ft	36	-
FIX	AWY-HI	-41.77017	10,668 m		
CROOK	UW58	-18.66717	35,000 ft	131	-
FIX	AWY-HI	-43.24900	10,668 m		
DEPOT	UW58	-19.30417	35,000 ft	50	-
FIX	AWY-HI	-43.81933	10,668 m		
BHZ	UW13	-19.85333	35,000 ft	33	BELO HORIZONTE NDB
NDB	AWY-HI	-43.95467	10,668 m		
NITRO	UW13	-20.36567	35,000 ft	37	-
FIX	AWY-HI	-44.34833	10,668 m		
ARENA	UW13	-21.02667	35,000 ft	46	-
FIX	AWY-HI	-44.78250	10,668 m		
TEXAS	UW13	-23.09350	5,600 ft	146	-
FIX	AWY-HI	-46.17183	1,707 m		
SBGR	-	-23.43233	0 ft	26	Sao Paulo - Guarulhos
APT	-	-46.46968	0 m		

ZBAA

Region: CHINA
Timezone: ASIA/SHANGHAI
Runways: 3

Elevation: 115 ft / 35 m
Location: 40.078700 116.595000
Magnetic Var: 7.356 W

METAR

ZBAA 290100Z 18003MPS 150V220 CAVOK 26/10 Q1005 NOSIG

TAF

TAF ZBAA 282118Z 2900/2924 18004MPS CAVOK TX31/2907Z TN19/2921Z TEMPO 2911/2917 FEW040CB BKN040

Frequencies

REC - 127.60 MHz - ATIS	REC - 128.65 MHz - ATIS
CLD - 121.60 MHz - BEIJING DELIVERY	CLD - 121.65 MHz - BEIJING DELIVERY
GND - 121.90 MHz - BEIJING GROUND	GND - 121.80 MHz - BEIJING GROUND
GND - 121.70 MHz - BEIJING GROUND	GND - 121.75 MHz - BEIJING GROUND
GND - 121.85 MHz - BEIJING GROUND	GND - 122.22 MHz - BEIJING APRON
GND - 122.65 MHz - BEIJING APRON	TWR - 124.30 MHz - BEIJING TOWER
TWR - 118.50 MHz - BEIJING TOWER	TWR - 118.60 MHz - BEIJING TOWER
APP - 126.10 MHz - BEIJING APPROACH	APP - 119.00 MHz - BEIJING APPROACH
APP - 126.50 MHz - BEIJING APPROACH	APP - 121.10 MHz - BEIJING APPROACH
APP - 119.70 MHz - BEIJING APPROACH	APP - 124.70 MHz - BEIJING APPROACH
APP - 127.75 MHz - BEIJING APPROACH	APP - 120.60 MHz - BEIJING APPROACH
APP - 125.50 MHz - BEIJING APPROACH	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
01	195 ft	12,481 ft	353.17	CONCRETE	0 ft	394 ft
	59 m	3,804 m	0.53		0 m	120 m
19	195 ft	12,481 ft	173.17	CONCRETE	0 ft	397 ft
	59 m	3,804 m	180.52		0 m	121 m
18L	197 ft	12,493 ft	173.17	ASPHALT	0 ft	190 ft
	60 m	3,808 m	180.52		0 m	58 m
36R	197 ft	12,493 ft	353.17	ASPHALT	0 ft	190 ft
	60 m	3,808 m	0.53		0 m	58 m
18R	164 ft	10,512 ft	173.15	ASPHALT	0 ft	200 ft
	50 m	3,204 m	180.51		0 m	61 m
36L	164 ft	10,512 ft	353.15	ASPHALT	0 ft	200 ft
	50 m	3,204 m	0.51		0 m	61 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
18R	DME	ILG	110.30 MHz	18 nm	-	-	135 ft
				33 km	-		135 m
01	LOC-ILS	INJ	108.50 MHz	18 nm	353.17	-	116 ft
				33 km	0.53		116 m
18L	LOC-ILS	IOR	109.30 MHz	18 nm	173.17	-	116 ft
				33 km	180.53		116 m
18R	LOC-ILS	ILG	110.30 MHz	18 nm	173.15	-	116 ft
				33 km	180.51		116 m
19	LOC-ILS	ISZ	108.90 MHz	18 nm	173.17	-	116 ft

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
				33 km	180.53		116 m
36L	LOC-ILS	IDK	111.70 MHz	18 nm	353.15	-	116 ft
				33 km	0.51		116 m
36R	LOC-ILS	IQU	109.90 MHz	18 nm	353.10	-	116 ft
				33 km	0.46		116 m
01	GS	INJ	108.50 MHz	10 nm	353.17	3.00	116 ft
				19 km	0.53		116 m
18L	GS	IOR	109.30 MHz	10 nm	173.17	3.00	116 ft
				19 km	180.53		116 m
18R	GS	ILG	110.30 MHz	10 nm	173.15	3.00	116 ft
				19 km	180.51		116 m
19	GS	ISZ	108.90 MHz	10 nm	173.17	3.20	116 ft
				19 km	180.53		116 m
36L	GS	IDK	111.70 MHz	10 nm	353.15	3.00	116 ft
				19 km	0.51		116 m
36R	GS	IQU	109.90 MHz	10 nm	353.17	3.00	116 ft
				19 km	0.53		116 m

SBGR

Region: BRAZIL
Timezone: AMERICA/SAO_PAULO
Runways: 2

Elevation: 2,461 ft / 750 m
Location: -23.432300 -46.469500
Magnetic Var: 22.216 W

METAR

SBGR 290100Z 28007KT 9999 BKN020 17/13 Q1021

TAF

TAF SBGR 282130Z 2900/3006 28008KT CAVOK TN11/2909Z TX18/2918Z BECMG 2904/2906 SCT017 BECMG 2912/2914 27005KT CAVOK

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	95.82		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	95.82		0 m	59 m
27L	148 ft	9,832 ft	253.59	ASPHALT	0 ft	194 ft
	45 m	2,997 m	275.81		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	95.81		2,461 m
09R	LOC-ILS	IGR	111.50 MHz	18 nm	73.60	-	2,461 ft
				33 km	95.82		2,461 m
27L	LOC-ILS	IBC	111.10 MHz	18 nm	253.60	-	2,459 ft
				33 km	275.82		2,459 m
27R	LOC-ILS	IGS	111.90 MHz	18 nm	253.59	-	2,459 ft
				33 km	275.81		2,459 m
09L	GS	IUC	110.70 MHz	10 nm	73.59	3.00	2,461 ft
				19 km	95.81		2,461 m
09R	GS	IGR	111.50 MHz	10 nm	73.60	2.92	2,461 ft
				19 km	95.82		2,461 m
27L	GS	IBC	111.10 MHz	10 nm	253.60	3.00	2,459 ft
				19 km	275.82		2,459 m
27R	GS	IGS	111.90 MHz	10 nm	253.59	3.00	2,458 ft
				19 km	275.81		2,458 m