SBGR – CYUL

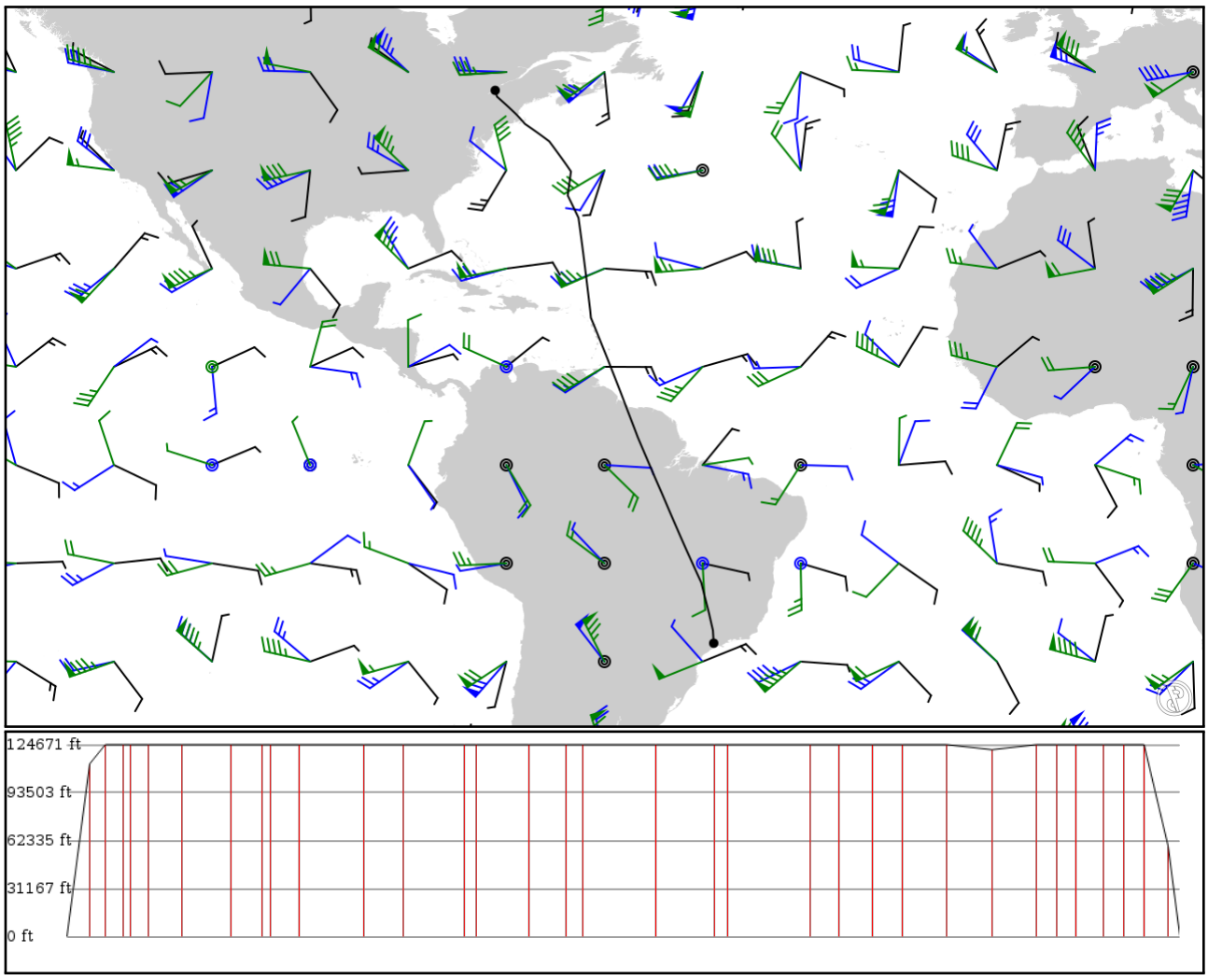
Sao Paulo - Guarulhos

Montreal Pierre E Trudeau Intl

2024/05/09 1650Z

SBGR PCL **UW2** BRS **UL776** ANU **A632** SLATN **J97** PLB CYUL

4476.02 nm / 8289.59 km



Notes

Basic altitude profile:
- Ascent Rate: 2500ft/min
- Ascent Speed: 240kts
- Cruise Altitude: 38000ft
- Cruise Speed: 420kts
- Descent Rate: 2500ft/min
- Descent Speed: 230kts

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
SBGR APT	–	-23.43233 -46.46968	0 ft 0 m	–	Sao Paulo - Guarulhos
PCL NDB	–	-21.83583 -46.56567	34,200 ft 10,424 m	96	POCOS NDB
VERME FIX	UW2 AWY-HI	-20.88767 -46.78600	38,000 ft 11,582 m	58	–
ARX VOR	UW2 AWY-HI	-19.68900 -47.06050	38,000 ft 11,582 m	73	ARAXA VOR-DME
BACON FIX	UW2 AWY-HI	-19.22017 -47.18100	38,000 ft 11,582 m	28	–
VALDI FIX	UW2 AWY-HI	-18.06333 -47.47533	38,000 ft 11,582 m	71	–
BRS VOR	UW2 AWY-HI	-15.87375 -48.02136	38,000 ft 11,582 m	135	BRASILIA VOR-DME
CHORD FIX	UL776 AWY-HI	-12.86367 -49.39950	38,000 ft 11,582 m	197	–
RONAL FIX	UL776 AWY-HI	-10.96650 -50.24917	38,000 ft 11,582 m	124	–
MEVOS FIX	UL776 AWY-HI	-10.40167 -50.49967	38,000 ft 11,582 m	37	–
ISKAX FIX	UL776 AWY-HI	-8.63333 -51.27133	38,000 ft 11,582 m	115	–
PADIL FIX	UL776 AWY-HI	-4.67033 -52.97433	38,000 ft 11,582 m	258	–
AMVER FIX	UL776 AWY-HI	-2.29558 -54.01342	38,000 ft 11,582 m	155	–
AKNIB FIX	UL776 AWY-HI	1.51142 -55.63950	38,000 ft 11,582 m	248	–
TIR NDB	UL776 AWY-HI	2.21900 -55.94183	38,000 ft 11,582 m	46	TIRIOS NDB
NEKOB FIX	UL776 AWY-HI	5.54833 -57.21500	38,000 ft 11,582 m	214	–
IBERT FIX	UL776 AWY-HI	7.81716 -58.08032	38,000 ft 11,582 m	145	–
KAISO FIX	UL776 AWY-HI	8.91972 -58.50722	38,000 ft 11,582 m	70	–
ANKAR FIX	UL776 AWY-HI	13.43639 -60.29889	38,000 ft 11,582 m	291	–
ANU NDB	UL776 AWY-HI	17.12588 -61.80017	38,000 ft 11,582 m	238	V C BIRD NDB
TOTEM FIX	A632 AWY-HI	18.00000 -61.88367	38,000 ft 11,582 m	52	–
PISAX FIX	A632 AWY-HI	23.50000 -62.54664	38,000 ft 11,582 m	332	–
WIGGI FIX	A632 AWY-HI	25.37310 -62.78504	38,000 ft 11,582 m	113	–
CARLY FIX	A632 AWY-HI	27.65734 -63.08612	38,000 ft 11,582 m	138	–
LOPPS FIX	A632 AWY-HI	29.58333 -63.35000	38,000 ft 11,582 m	116	–
BDA VOR	A632 AWY-HI	32.36436 -64.68958	38,000 ft 11,582 m	180	BERMUDA VOR-DME
ELTIN	A632	35.35844	37,000 ft	180	–

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-64.28703	11,278 m		
AKERS	A632	37.97820	38,000 ft	181	-
FIX	AWY-HI	-66.15546	11,582 m		
SLATN	A632	39.11667	38,000 ft	79	-
FIX	AWY-HI	-67.00000	11,582 m		
LACKS	J97	40.00015	38,000 ft	76	-
FIX	AWY-HI	-68.19938	11,582 m		
ACK	J97	41.28189	38,000 ft	113	NANTUCKET VOR-DME
VOR	AWY-HI	-70.02672	11,582 m		
BOS	J97	42.35744	38,000 ft	77	BOSTON VOR-DME
VOR	AWY-HI	-70.98956	11,582 m		
RUMMY	J97	43.47826	38,000 ft	85	-
FIX	AWY-HI	-72.17724	11,582 m		
PLB	J97	44.68494	18,000 ft	92	PLATTSBURGH VORTAC
VOR	AWY-HI	-73.52269	5,486 m		
CYUL	-	45.46727	0 ft	47	Montreal Pierre E Trudeau Intl
APT	-	-73.74403	0 m		

SBGR

Region: BRAZIL
Timezone: AMERICA/SAO_PAULO
Runways: 2

Elevation: 2,461 ft / 750 m
Location: -23.432300 -46.469500
Magnetic Var: 22.209 W

METAR

SBGR 091600Z 28006KT CAVOK 29/14 Q1019

TAF

TAF SBGR 090900Z 0912/1018 05008KT CAVOK TX30/0917Z TN18/1009Z BECMG 0913/0915 35010KT BECMG 0916/0918 32006KT BE

Frequencies

REC - 127.75 MHz - GUARULHOS ATIS
GND - 121.70 MHz - GUARULHOS GROUND
TWR - 118.40 MHz - GUARULHOS TOWER
TWR - 135.20 MHz - GUARULHOS TOWER
APP - 119.15 MHz - SAO PAULO APPROACH
APP - 120.85 MHz - SAO PAULO APPROACH

CLD - 121.00 MHz - GUARULHOS CLEARANCE
GND - 126.90 MHz - GUARULHOS GROUND
TWR - 132.75 MHz - GUARULHOS TOWER
APP - 129.75 MHz - SAO PAULO APPROACH
APP - 120.45 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 45 m	12,131 ft 3,698 m	73.60 95.81	ASPHALT	295 ft 90 m	190 ft 58 m
27R	148 ft 45 m	12,131 ft 3,698 m	253.59 275.80	ASPHALT	200 ft 61 m	194 ft 59 m
09R	148 ft 45 m	9,832 ft 2,997 m	73.60 95.81	ASPHALT	0 ft 0 m	194 ft 59 m
27L	148 ft 45 m	9,832 ft 2,997 m	253.59 275.80	ASPHALT	0 ft 0 m	194 ft 59 m

Approach Navaids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
09L	LOC-ILS	IUC	110.70 MHz	18 nm 33 km	73.59 95.80	-	2,461 ft 2,461 m
09R	LOC-ILS	IGR	111.50 MHz	18 nm 33 km	73.60 95.81	-	2,461 ft 2,461 m
27L	LOC-ILS	IBC	111.10 MHz	18 nm 33 km	253.60 275.81	-	2,459 ft 2,459 m
27R	LOC-ILS	IGS	111.90 MHz	18 nm 33 km	253.59 275.80	-	2,459 ft 2,459 m
09L	GS	IUC	110.70 MHz	10 nm 19 km	73.59 95.80	3.00	2,461 ft 2,461 m
09R	GS	IGR	111.50 MHz	10 nm 19 km	73.60 95.81	2.92	2,461 ft 2,461 m
27L	GS	IBC	111.10 MHz	10 nm 19 km	253.60 275.81	3.00	2,459 ft 2,459 m
27R	GS	IGS	111.90 MHz	10 nm 19 km	253.59 275.80	3.00	2,458 ft 2,458 m

CYUL

Region: CANADA
Timezone: AMERICA/MONTREAL
Runways: 3

Elevation: 118 ft / 36 m
Location: 45.467500 -73.743800
Magnetic Var: 13.897 W

METAR

CYUL 091600Z VRB04KT 30SM BKN050 BKN240 14/06 A2982 RMK SC7CI1 CI TR CU ASOCTD SLP102

TAF

TAF CYUL 091440Z 0915/1012 VRB03KT P6SM BKN030 TEMPO 0915/0916 FEW030 FM091600 35007KT P6SM BKN040 TEMPO 0916/092

Frequencies

TWR - 119.90 MHz - MONTREAL TOWER
TWR - 124.30 MHz - MONTREAL TOWER
GND - 121.90 MHz - MONTREAL GROUND
APP - 132.85 MHz - MONTREAL APPROACH
DEP - 124.65 MHz - MONTREAL DEPARTURE
REC - 133.70 MHz - ATIS
COM - 123.55 MHz - QUEBEC FIC
COM - 134.15 MHz - VFR ADVISORY

TWR - 119.30 MHz - MONTREAL TOWER
GND - 121.00 MHz - MONTREAL GROUND
CLD - 125.60 MHz - CLEARANCE DELIVERY
APP - 126.90 MHz - MONTREAL APPROACH
DEP - 120.42 MHz - MONTREAL DEPARTURE
REC - 127.50 MHz - ATIS
COM - 126.70 MHz - QUEBEC FIC

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
06L	197 ft 60 m	11,010 ft 3,356 m	42.55 56.45	ASPHALT	0 ft 0 m	0 ft 0 m
24R	197 ft 60 m	11,010 ft 3,356 m	222.57 236.47	ASPHALT	0 ft 0 m	0 ft 0 m
06R	197 ft 60 m	9,608 ft 2,929 m	42.59 56.48	CONCRETE	0 ft 0 m	0 ft 0 m
24L	197 ft 60 m	9,608 ft 2,929 m	222.60 236.50	CONCRETE	0 ft 0 m	0 ft 0 m
10	197 ft 60 m	7,008 ft 2,136 m	87.61 101.51	ASPHALT	0 ft 0 m	0 ft 0 m
28	197 ft 60 m	7,008 ft 2,136 m	267.63 281.53	ASPHALT	0 ft 0 m	0 ft 0 m

Approach Navaids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
06L	LOC-ILS	IUL	109.30 MHz	18 nm 33 km	42.57 56.47	-	118 ft 118 m
06R	LOC-ILS	IOA	110.50 MHz	18 nm 33 km	42.60 56.50	-	118 ft 118 m
10	LOC-ILS	IDO	110.10 MHz	18 nm 33 km	87.62 101.52	-	118 ft 118 m
24L	LOC-ILS	IMQ	110.50 MHz	18 nm 33 km	222.60 236.50	-	118 ft 118 m
24R	LOC-ILS	IZZ	111.90 MHz	18 nm 33 km	222.57 236.47	-	118 ft 118 m
06L	GS	IUL	109.30 MHz	10 nm 19 km	42.57 56.47	3.00	118 ft 118 m
06R	GS	IOA	110.50 MHz	10 nm 19 km	42.60 56.50	3.00	118 ft 118 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
10	GS	IDO	110.10 MHz	10 nm 19 km	87.62 101.52	3.00	118 ft 118 m
24L	GS	IMQ	110.50 MHz	10 nm 19 km	222.60 236.50	3.00	118 ft 118 m
24R	GS	IZZ	111.90 MHz	10 nm 19 km	222.57 236.47	3.00	118 ft 118 m