KORD

CHICAGO OHARE INTL

-

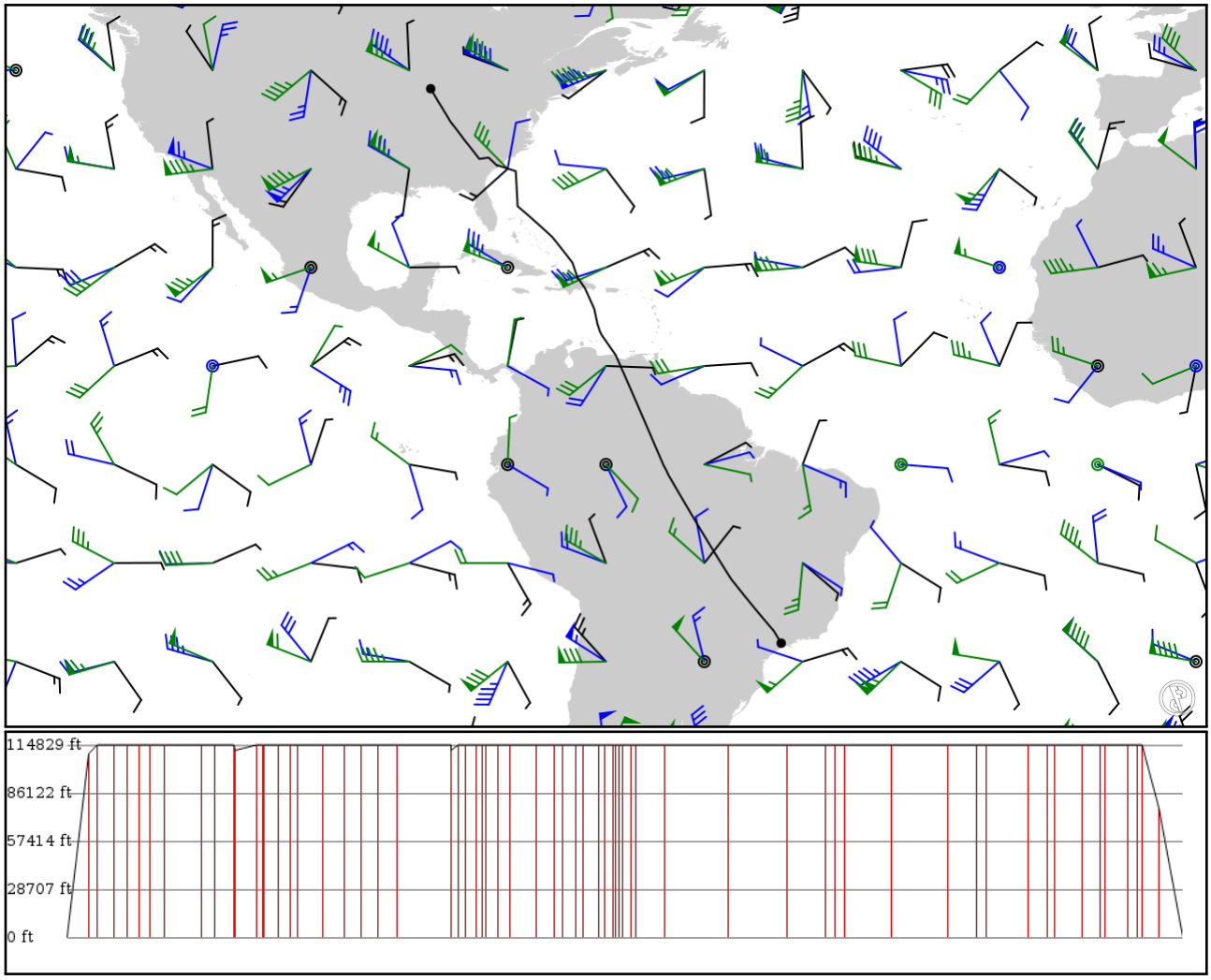
SBGR

Sao Paulo - Guarulhos

2024/05/23 2212Z

KORD BVT **J89** IIU **J99** IRQ **J4** CAE **J47** CHS ASHLY **AR4** OLDEY **AR3** NUCAR **G446** GTK GT **A554** SEKAR **UA554** LUCAS ILKIT **UL304** CBC **UW42** KAMUT **UA315** MAN **UW9** ATF **UL795** PSN SBGR

4689.81 nm / 8685.53 km



Notes

Basic altitude profile:
- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 40000ft
- Cruise Speed: 420kts
- Descent Rate: 1500ft/min
- Descent Speed: 250kts

Options:
- Use NATs: yes
- Use PACOTS: yes
- Use low airways: no

- Use high airways: yes

Route

Ident	Via	Lat	Alt	Dist	Name
Type		Lon		(nm)	
KORD	–	41.98274	0 ft	–	CHICAGO OHARE INTL
APT	–	-87.90631	0 m		
BVT	–	40.55611	33,400 ft	93	BOILER VORTAC
VOR	–	-87.06933	10,180 m		
MACES	J89	40.00368	35,000 ft	36	–
FIX	AWY-HI	-86.72295	10,668 m		
KURTZ	J89	38.97219	35,000 ft	68	–
FIX	AWY-HI	-86.09265	10,668 m		
IIU	J89	38.10347	35,000 ft	57	LOUISVILLE VORTAC
VOR	AWY-HI	-85.57744	10,668 m		
RYANS	J99	37.38796	35,000 ft	50	–
FIX	AWY-HI	-85.01698	10,668 m		
GHATS	J99	36.80187	35,000 ft	41	–
FIX	AWY-HI	-84.56734	10,668 m		
VXV	J99	35.90483	35,000 ft	62	VOLUNTEER VORTAC
VOR	AWY-HI	-83.89472	10,668 m		
IRQ	J99	33.70736	35,000 ft	157	COLLIERS VORTAC
VOR	AWY-HI	-82.16206	10,668 m		
CAE	J4	33.85725	35,000 ft	56	COLUMBIA VORTAC
VOR	AWY-HI	-81.05392	10,668 m		
CHS	J47	32.89431	35,000 ft	77	CHARLESTON VORTAC
VOR	AWY-HI	-80.03781	10,668 m		
ASHLY	–	32.97696	34,000 ft	5	–
FIX	–	-80.09662	10,363 m		
METTA	AR4	32.44211	35,000 ft	90	–
FIX	AWY-HI	-78.41890	10,668 m		
MILOE	AR4	32.29111	35,000 ft	25	–
FIX	AWY-HI	-77.94442	10,668 m		
OLDEY	AR4	32.26228	35,000 ft	4	–
FIX	AWY-HI	-77.85384	10,668 m		
PERIE	AR3	31.22864	35,000 ft	62	–
FIX	AWY-HI	-77.79689	10,668 m		
CARPS	AR3	30.40800	35,000 ft	49	–
FIX	AWY-HI	-77.75017	10,668 m		
SCOBY	AR3	29.92994	35,000 ft	28	–
FIX	AWY-HI	-77.72495	10,668 m		
NUCAR	AR3	28.12603	35,000 ft	108	–
FIX	AWY-HI	-77.63300	10,668 m		
OMALY	G446	27.06246	35,000 ft	91	–
FIX	AWY-HI	-76.39306	10,668 m		
LASEE	G446	26.23924	35,000 ft	70	–
FIX	AWY-HI	-75.45782	10,668 m		
ALUTE	G446	25.40589	35,000 ft	70	–
FIX	AWY-HI	-74.53127	10,668 m		
RINNY	G446	24.49494	35,000 ft	76	–
FIX	AWY-HI	-73.54014	10,668 m		
GTK	G446	21.44066	35,000 ft	226	GRAND TURK VORTAC
DME	AWY-HI	-71.13437	10,668 m		
GT	–	21.43717	34,000 ft	0	GRAND TURK NDB
NDB	–	-71.14594	10,363 m		
TAANA	A554	20.94300	35,000 ft	31	–
FIX	AWY-HI	-70.97386	10,668 m		
SEKAR	A554	20.41854	35,000 ft	33	–

Ident	Via	Lat	Alt	Dist	Name
Type		Lon		(nm)	
FIX	AWY-HI	-70.79566	10,668 m		
PTA	UA554	19.75917	35,000 ft	41	PUERTO PLATA VOR-DME
VOR	AWY-HI	-70.57056	10,668 m		
PISOR	UA554	19.34556	35,000 ft	29	-
FIX	AWY-HI	-70.28861	10,668 m		
KODIX	UA554	19.13667	35,000 ft	15	-
FIX	AWY-HI	-70.14250	10,668 m		
CDO	UA554	18.43293	35,000 ft	50	PUNTA CAUCEDO VOR-DME
DME	AWY-HI	-69.66733	10,668 m		
KARIB	UA554	17.66639	35,000 ft	50	-
FIX	AWY-HI	-69.31694	10,668 m		
POKAK	UA554	16.00000	35,000 ft	108	-
FIX	AWY-HI	-68.56667	10,668 m		
AFTON	UA554	14.73333	35,000 ft	77	-
FIX	AWY-HI	-68.30000	10,668 m		
BEXER	UA554	14.19422	35,000 ft	33	-
FIX	AWY-HI	-68.18786	10,668 m		
LUCAS	UA554	13.30306	35,000 ft	56	-
FIX	AWY-HI	-67.88556	10,668 m		
ILKIT	-	12.87833	35,000 ft	28	-
FIX	-	-67.66167	10,668 m		
GAVAL	UL304	11.99028	35,000 ft	64	-
FIX	AWY-HI	-67.03889	10,668 m		
EDGEL	UL304	11.58750	35,000 ft	29	-
FIX	AWY-HI	-66.75722	10,668 m		
DARDA	UL304	11.16306	35,000 ft	30	-
FIX	AWY-HI	-66.45917	10,668 m		
BEGAB	UL304	11.02556	35,000 ft	10	-
FIX	AWY-HI	-66.36250	10,668 m		
AKNUR	UL304	10.82083	35,000 ft	14	-
FIX	AWY-HI	-66.21861	10,668 m		
CBC	UL304	10.57694	35,000 ft	17	CABO CODERA VOR-DME
DME	AWY-HI	-66.04806	10,668 m		
KAMUT	UW42	10.05642	35,000 ft	34	-
FIX	AWY-HI	-65.81700	10,668 m		
DIMAN	UA315	9.72475	35,000 ft	21	-
FIX	AWY-HI	-65.66867	10,668 m		
ALBOG	UA315	7.87639	35,000 ft	121	-
FIX	AWY-HI	-64.85200	10,668 m		
VAGAN	UA315	3.81917	35,000 ft	265	-
FIX	AWY-HI	-63.08383	10,668 m		
MADKO	UA315	-0.00033	35,000 ft	249	-
FIX	AWY-HI	-61.43567	10,668 m		
ROLIK	UA315	-2.42267	35,000 ft	158	-
FIX	AWY-HI	-60.39050	10,668 m		
MAN	UA315	-3.04183	35,000 ft	42	MANAUS NDB
NDB	AWY-HI	-60.05200	10,668 m		
VURUM	UW9	-3.61550	35,000 ft	37	-
FIX	AWY-HI	-59.78883	10,668 m		
NANDA	UW9	-6.44817	35,000 ft	196	-
FIX	AWY-HI	-58.13450	10,668 m		
ATF	UW9	-9.86836	35,000 ft	238	ALTA FLORESTA VOR-DME
VOR	AWY-HI	-56.10493	10,668 m		
UVBIL	UL795	-11.61600	35,000 ft	122	-
FIX	AWY-HI	-55.04250	10,668 m		
RONIL	UL795	-12.17800	35,000 ft	39	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-54.69800	10,668 m		
SAMAR	UL795	-14.71300	35,000 ft	177	-
FIX	AWY-HI	-53.11942	10,668 m		
BAG	UL795	-15.85350	35,000 ft	80	GARCAS VOR-DME
VOR	AWY-HI	-52.39567	10,668 m		
NILON	UL795	-16.26167	35,000 ft	30	-
FIX	AWY-HI	-52.07333	10,668 m		
NEFAR	UL795	-17.80717	35,000 ft	116	-
FIX	AWY-HI	-50.83717	10,668 m		
OBLIG	UL795	-18.75192	35,000 ft	71	-
FIX	AWY-HI	-50.06758	10,668 m		
PEQUI	UL795	-19.04783	35,000 ft	22	-
FIX	AWY-HI	-49.82450	10,668 m		
PASTE	UL795	-20.32375	35,000 ft	97	-
FIX	AWY-HI	-48.76217	10,668 m		
QUILT	UL795	-20.80667	35,000 ft	36	-
FIX	AWY-HI	-48.35417	10,668 m		
RUTLE	UL795	-21.07683	35,000 ft	20	-
FIX	AWY-HI	-48.12433	10,668 m		
PSN	UL795	-21.98450	23,500 ft	69	PIRASSUNUNGA VOR-DME
VOR	AWY-HI	-47.34417	7,163 m		
SBGR	-	-23.43233	0 ft	99	Sao Paulo - Guarulhos
APT	-	-46.46968	0 m		

KORD

Region: UNITED STATES
Timezone: AMERICA/CHICAGO
Runways: 6

Elevation: 680 ft / 207 m
Location: 41.973400 -87.906600
Magnetic Var: 4.113 W

METAR

KORD 232151Z 09011KT 10SM SCT085 25/08 A2988 RMK AO2 SLP115 T02500083

TAF

KORD 232100Z 2321/2424 09009KT P6SM SCT080 FM240300 15005KT P6SM FEW150 FM241500 16012G20KT P6SM SCT070 BKN150 PR

Frequencies

REC - 135.40 MHz - ATIS
CLD - 119.25 MHz - CLEARANCE DELIVERY
GND - 118.05 MHz - O'HARE GROUND
GND - 121.75 MHz - O'HARE GROUND
GND - 124.12 MHz - O'HARE GROUND
TWR - 120.75 MHz - O'HARE TOWER
TWR - 126.90 MHz - O'HARE TOWER
TWR - 132.70 MHz - O'HARE TOWER
TWR - 133.00 MHz - O'HARE TOWER
APP - 133.62 MHz - CHICAGO APPROACH
APP - 125.70 MHz - CHICAGO APPROACH
DEP - 125.40 MHz - CHICAGO DEPARTURE
DEP - 128.80 MHz - CHICAGO DEPARTURE
COM - 122.95 MHz - UNICOM
CLD - 121.60 MHz - CLEARANCE DELIVERY
GND - 121.67 MHz - O'HARE GROUND
GND - 121.90 MHz - O'HARE GROUND
GND - 134.12 MHz - O'HARE GROUND
TWR - 121.15 MHz - O'HARE TOWER
TWR - 127.92 MHz - O'HARE TOWER
TWR - 128.15 MHz - O'HARE TOWER
APP - 119.00 MHz - CHICAGO APPROACH
APP - 124.35 MHz - CHICAGO APPROACH
DEP - 125.00 MHz - CHICAGO DEPARTURE
DEP - 127.40 MHz - CHICAGO DEPARTURE

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
10C	200 ft 61 m	10,789 ft 3,289 m	89.85 93.96	CONCRETE	0 ft 0 m	397 ft 121 m
28C	200 ft 61 m	10,789 ft 3,289 m	269.88 273.99	CONCRETE	0 ft 0 m	381 ft 116 m
10L	151 ft 46 m	12,996 ft 3,961 m	89.87 93.99	CONCRETE	0 ft 0 m	394 ft 120 m
28R	151 ft 46 m	12,996 ft 3,961 m	269.91 274.02	CONCRETE	0 ft 0 m	285 ft 87 m
04R	151 ft 46 m	8,074 ft 2,461 m	41.40 45.51	CONCRETE	0 ft 0 m	850 ft 259 m
22L	151 ft 46 m	8,074 ft 2,461 m	221.41 225.53	CONCRETE	0 ft 0 m	584 ft 178 m
09R	151 ft 46 m	7,949 ft 2,423 m	89.98 94.09	CONCRETE	0 ft 0 m	148 ft 45 m
27L	151 ft 46 m	7,949 ft 2,423 m	270.00 274.11	CONCRETE	0 ft 0 m	197 ft 60 m
09L	151 ft 46 m	7,484 ft 2,281 m	89.99 94.10	CONCRETE	0 ft 0 m	397 ft 121 m
27R	151 ft 46 m	7,484 ft 2,281 m	270.00 274.12	CONCRETE	0 ft 0 m	397 ft 121 m
10R	151 ft 46 m	7,484 ft 2,281 m	89.85 93.96	CONCRETE	0 ft 0 m	400 ft 122 m
28L	151 ft 46 m	7,484 ft 2,281 m	269.87 273.98	CONCRETE	0 ft 0 m	400 ft 122 m

Approach Navaids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
09L	DME	ISAJ	111.75 MHz	18 nm 33 km	– –	–	668 ft 668 m
10L	DME	IMED	111.10 MHz	18 nm 33 km	– –	–	678 ft 678 m
27L	DME	IIAC	110.50 MHz	18 nm 33 km	– –	–	641 ft 641 m
27R	DME	IABU	111.75 MHz	18 nm 33 km	– –	–	668 ft 668 m
28R	DME	ITSL	111.10 MHz	18 nm 33 km	– –	–	678 ft 678 m
04R	LOC-ILS	IFJU	110.10 MHz	18 nm 33 km	41.41 45.52	–	680 ft 680 m
09L	LOC-ILS	ISAJ	111.75 MHz	18 nm 33 km	90.00 94.11	–	680 ft 680 m
09R	LOC-ILS	IJAV	110.50 MHz	18 nm 33 km	89.99 94.10	–	680 ft 680 m
10L	LOC-ILS	IMED	111.10 MHz	18 nm 33 km	89.89 94.00	–	680 ft 680 m
10C	LOC-ILS	ISXH	108.95 MHz	18 nm 33 km	89.86 93.97	–	680 ft 680 m
10R	LOC-ILS	IIZJ	110.75 MHz	18 nm 33 km	89.86 93.97	–	680 ft 680 m
22L	LOC-ILS	ILQQ	110.10 MHz	18 nm 33 km	221.41 225.52	–	680 ft 680 m
27L	LOC-ILS	IIAC	110.50 MHz	18 nm 33 km	269.99 274.10	–	680 ft 680 m
27R	LOC-ILS	IABU	111.75 MHz	18 nm 33 km	270.00 274.11	–	680 ft 680 m
28L	LOC-ILS	IVQX	110.75 MHz	18 nm 33 km	269.87 273.98	–	680 ft 680 m
28C	LOC-ILS	IVZE	108.95 MHz	18 nm 33 km	269.87 273.98	–	680 ft 680 m
28R	LOC-ILS	ITSL	111.10 MHz	18 nm 33 km	269.88 273.99	–	680 ft 680 m
04R	GS	IFJU	110.10 MHz	10 nm 19 km	41.41 45.52	3.00	680 ft 680 m
09L	GS	ISAJ	111.75 MHz	10 nm 19 km	90.00 94.11	3.00	680 ft 680 m
09R	GS	IJAV	110.50 MHz	10 nm 19 km	89.99 94.10	3.00	680 ft 680 m
10L	GS	IMED	111.10 MHz	10 nm 19 km	89.89 94.00	3.00	680 ft 680 m
10C	GS	ISXH	108.95 MHz	10 nm 19 km	89.86 93.97	3.00	680 ft 680 m
10R	GS	IIZJ	110.75 MHz	10 nm 19 km	89.86 93.97	3.00	680 ft 680 m
22L	GS	ILQQ	110.10 MHz	10 nm 19 km	221.41 225.52	3.00	680 ft 680 m
27L	GS	IIAC	110.50 MHz	10 nm 19 km	269.99 274.10	3.00	680 ft 680 m
27R	GS	IABU	111.75 MHz	10 nm 19 km	270.00 274.11	3.00	680 ft 680 m
28L	GS	IVQX	110.75 MHz	10 nm 19 km	269.87 273.98	3.00	680 ft 680 m
28C	GS	IVZE	108.95 MHz	10 nm 19 km	269.87 273.98	3.00	680 ft 680 m
28R	GS	ITSL	111.10 MHz	10 nm 19 km	269.88 273.99	3.00	680 ft 680 m

SBGR

Region: BRAZIL
Timezone: AMERICA/SAO_PAULO
Runways: 2

Elevation: 2,461 ft / 750 m
Location: -23.432300 -46.469500
Magnetic Var: 22.214 W

METAR

SBGR 232200Z 34004KT CAVOK 22/11 Q1018

TAF

TAF SBGR 231600Z 2318/2424 32010KT CAVOK TN16/2408Z TX30/2417Z BECMG 2319/2321 35005KT TEMPO 2402/2407 00000KT 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 95.82	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