

YSSY

Sydney Kingsford Smith

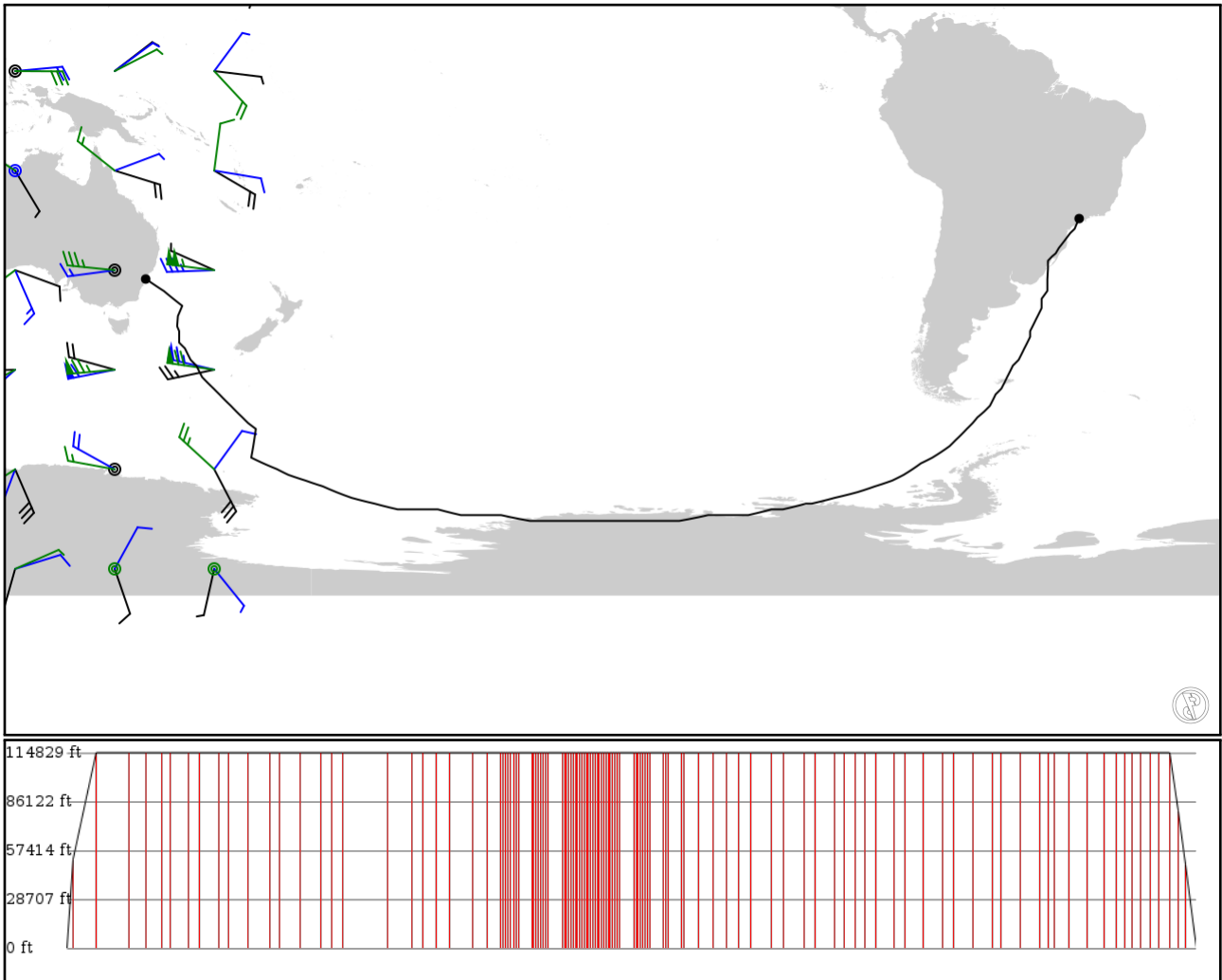
SBGR

Guarulhos-Andre Franco Montoro Intl

2024/05/06 1528Z

YSSY OPTIC **Y84** TONIM **P766** MIKEL GILLY SMIFF -4300S15700E -4500S15700E -4600S15800E -4800S15900E
-4900S16000E -5100S16100E -5300S16300E -5400S16400E -5600S16600E -5800S16800E -5900S16900E FRITH
A338 URROA -6700S17400E -6800S-18400W -6900S-18100W -7000S-17800W -7200S-17300W -7300S-16900W
-7400S-16500W -7400S-16400W -7400S-16300W -7400S-16200W -7400S-16100W -7400S-16000W -7400S-15900W
-7400S-15800W -7500S-15400W -7500S-15300W -7500S-15200W -7500S-15100W -7500S-15000W -7500S-14900W
-7500S-14800W -7500S-14700W -7600S-14200W -7600S-14100W -7600S-14000W -7600S-13900W -7600S-13800W
-7600S-13700W -7600S-13600W -7600S-13500W -7600S-13400W -7600S-13300W -7600S-13200W -7600S-13100W
-7600S-13000W -7600S-12900W -7600S-12800W -7600S-12700W -7600S-12600W -7600S-12500W -7600S-12400W
-7600S-12300W -7600S-12200W -7600S-12100W -7600S-12000W -7600S-11900W -7600S-11800W -7600S-11700W
-7600S-11600W -7500S-11100W -7500S-11000W -7500S-10900W -7500S-10800W -7500S-10700W -7500S-10600W
-7500S-10500W -7500S-10400W -7400S-10000W -7400S0-9900W -7400S0-9800W -7300S0-9400W -7300S0-9300W
-7200S0-8900W -7100S0-8500W -7000S0-8200W -6900S0-7900W -6800S0-7700W -6600S0-7400W -6500S0-7200W
-6300S0-6900W -6200S0-6800W -6000S0-6600W -5900S0-6500W LOMUR -5700S0-6300W -5600S0-6200W
-5400S0-6100W -5300S0-6000W -5100S0-5900W -4900S0-5800W -4800S0-5700W -4600S0-5600W -4400S0-5500W
-4300S0-5500W -4100S0-5400W -3900S0-5300W -3800S0-5300W GUXOR -3600S0-5200W -3400S0-5200W TOSAD
CALVE **UM540** OSAMU **UM671** RONUT **UZ23** NEGUS SBGR

7509.61 nm / 13907.80 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
YSSY	-	-33.94610	0 ft	-	Sydney Kingsford Smith
APT	-	151.17700	0 m	-	
OPTIC	-	-34.40110	15,900 ft	44	-
FIX	-	151.88900	4,846 m	-	-
TONIM	Y84	-36.03160	35,000 ft	155	-
FIX	AWY-HI	154.34600	10,668 m	-	-
MIKEL	P766	-38.59580	35,000 ft	216	-
FIX	AWY-HI	157.53500	10,668 m	-	-
GILLY	-	-40.37800	35,000 ft	112	-
FIX	-	156.77900	10,668 m	-	-
SMIFF	-	-42.15860	35,000 ft	107	-
FIX	-	156.64700	10,668 m	-	-
-4300S15700E	-	-43.00000	35,000 ft	52	-
LATLON	-	157.00000	10,668 m	-	-
-4500S15700E	-	-45.00000	35,000 ft	120	-
LATLON	-	157.00000	10,668 m	-	-
-4600S15800E	-	-46.00000	35,000 ft	73	-
LATLON	-	158.00000	10,668 m	-	-
-4800S15900E	-	-48.00000	35,000 ft	126	-
LATLON	-	159.00000	10,668 m	-	-
-4900S16000E	-	-49.00000	35,000 ft	72	-
LATLON	-	160.00000	10,668 m	-	-
-5100S16100E	-	-51.00000	35,000 ft	126	-
LATLON	-	161.00000	10,668 m	-	-
-5300S16300E	-	-53.00000	35,000 ft	141	-
LATLON	-	163.00000	10,668 m	-	-
-5400S16400E	-	-54.00000	35,000 ft	69	-
LATLON	-	164.00000	10,668 m	-	-
-5600S16600E	-	-56.00000	35,000 ft	138	-
LATLON	-	166.00000	10,668 m	-	-
-5800S16800E	-	-58.00000	35,000 ft	136	-
LATLON	-	168.00000	10,668 m	-	-
-5900S16900E	-	-59.00000	35,000 ft	67	-
LATLON	-	169.00000	10,668 m	-	-
FRITH	-	-60.00000	35,000 ft	72	-
FIX	-	170.33300	10,668 m	-	-
URROA	A338	-65.00000	35,000 ft	301	-
FIX	AWY-HI	169.53300	10,668 m	-	-
-6700S17400E	-	-67.00000	35,000 ft	162	-
LATLON	-	174.00000	10,668 m	-	-
-6800S-18400W	-	-68.00000	35,000 ft	75	-
LATLON	-	-184.00000	10,668 m	-	-
-6900S-18100W	-	-69.00000	35,000 ft	89	-
LATLON	-	-181.00000	10,668 m	-	-
-7000S-17800W	-	-70.00000	35,000 ft	87	-
LATLON	-	-178.00000	10,668 m	-	-
-7200S-17300W	-	-72.00000	35,000 ft	154	-
LATLON	-	-173.00000	10,668 m	-	-
-7300S-16900W	-	-73.00000	35,000 ft	93	-
LATLON	-	-169.00000	10,668 m	-	-
-7400S-16500W	-	-74.00000	35,000 ft	90	-
LATLON	-	-165.00000	10,668 m	-	-
-7400S-16400W	-	-74.00000	35,000 ft	16	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-164.00000	10,668 m		
-7400S-16300W	-	-74.00000	35,000 ft	16	-
LATLON	-	-163.00000	10,668 m		
-7400S-16200W	-	-74.00000	35,000 ft	16	-
LATLON	-	-162.00000	10,668 m		
-7400S-16100W	-	-74.00000	35,000 ft	16	-
LATLON	-	-161.00000	10,668 m		
-7400S-16000W	-	-74.00000	35,000 ft	16	-
LATLON	-	-160.00000	10,668 m		
-7400S-15900W	-	-74.00000	35,000 ft	16	-
LATLON	-	-159.00000	10,668 m		
-7400S-15800W	-	-74.00000	35,000 ft	16	-
LATLON	-	-158.00000	10,668 m		
-7500S-15400W	-	-75.00000	35,000 ft	87	-
LATLON	-	-154.00000	10,668 m		
-7500S-15300W	-	-75.00000	35,000 ft	15	-
LATLON	-	-153.00000	10,668 m		
-7500S-15200W	-	-75.00000	35,000 ft	15	-
LATLON	-	-152.00000	10,668 m		
-7500S-15100W	-	-75.00000	35,000 ft	15	-
LATLON	-	-151.00000	10,668 m		
-7500S-15000W	-	-75.00000	35,000 ft	15	-
LATLON	-	-150.00000	10,668 m		
-7500S-14900W	-	-75.00000	35,000 ft	15	-
LATLON	-	-149.00000	10,668 m		
-7500S-14800W	-	-75.00000	35,000 ft	15	-
LATLON	-	-148.00000	10,668 m		
-7500S-14700W	-	-75.00000	35,000 ft	15	-
LATLON	-	-147.00000	10,668 m		
-7600S-14200W	-	-76.00000	35,000 ft	96	-
LATLON	-	-142.00000	10,668 m		
-7600S-14100W	-	-76.00000	35,000 ft	14	-
LATLON	-	-141.00000	10,668 m		
-7600S-14000W	-	-76.00000	35,000 ft	14	-
LATLON	-	-140.00000	10,668 m		
-7600S-13900W	-	-76.00000	35,000 ft	14	-
LATLON	-	-139.00000	10,668 m		
-7600S-13800W	-	-76.00000	35,000 ft	14	-
LATLON	-	-138.00000	10,668 m		
-7600S-13700W	-	-76.00000	35,000 ft	14	-
LATLON	-	-137.00000	10,668 m		
-7600S-13600W	-	-76.00000	35,000 ft	14	-
LATLON	-	-136.00000	10,668 m		
-7600S-13500W	-	-76.00000	35,000 ft	14	-
LATLON	-	-135.00000	10,668 m		
-7600S-13400W	-	-76.00000	35,000 ft	14	-
LATLON	-	-134.00000	10,668 m		
-7600S-13300W	-	-76.00000	35,000 ft	14	-
LATLON	-	-133.00000	10,668 m		
-7600S-13200W	-	-76.00000	35,000 ft	14	-
LATLON	-	-132.00000	10,668 m		
-7600S-13100W	-	-76.00000	35,000 ft	14	-
LATLON	-	-131.00000	10,668 m		
-7600S-13000W	-	-76.00000	35,000 ft	14	-
LATLON	-	-130.00000	10,668 m		
-7600S-12900W	-	-76.00000	35,000 ft	14	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-129.00000	10,668 m		
-7600S-12800W	-	-76.00000	35,000 ft	14	-
LATLON	-	-128.00000	10,668 m		
-7600S-12700W	-	-76.00000	35,000 ft	14	-
LATLON	-	-127.00000	10,668 m		
-7600S-12600W	-	-76.00000	35,000 ft	14	-
LATLON	-	-126.00000	10,668 m		
-7600S-12500W	-	-76.00000	35,000 ft	14	-
LATLON	-	-125.00000	10,668 m		
-7600S-12400W	-	-76.00000	35,000 ft	14	-
LATLON	-	-124.00000	10,668 m		
-7600S-12300W	-	-76.00000	35,000 ft	14	-
LATLON	-	-123.00000	10,668 m		
-7600S-12200W	-	-76.00000	35,000 ft	14	-
LATLON	-	-122.00000	10,668 m		
-7600S-12100W	-	-76.00000	35,000 ft	14	-
LATLON	-	-121.00000	10,668 m		
-7600S-12000W	-	-76.00000	35,000 ft	14	-
LATLON	-	-120.00000	10,668 m		
-7600S-11900W	-	-76.00000	35,000 ft	14	-
LATLON	-	-119.00000	10,668 m		
-7600S-11800W	-	-76.00000	35,000 ft	14	-
LATLON	-	-118.00000	10,668 m		
-7600S-11700W	-	-76.00000	35,000 ft	14	-
LATLON	-	-117.00000	10,668 m		
-7600S-11600W	-	-76.00000	35,000 ft	14	-
LATLON	-	-116.00000	10,668 m		
-7500S-11100W	-	-75.00000	35,000 ft	96	-
LATLON	-	-111.00000	10,668 m		
-7500S-11000W	-	-75.00000	35,000 ft	15	-
LATLON	-	-110.00000	10,668 m		
-7500S-10900W	-	-75.00000	35,000 ft	15	-
LATLON	-	-109.00000	10,668 m		
-7500S-10800W	-	-75.00000	35,000 ft	15	-
LATLON	-	-108.00000	10,668 m		
-7500S-10700W	-	-75.00000	35,000 ft	15	-
LATLON	-	-107.00000	10,668 m		
-7500S-10600W	-	-75.00000	35,000 ft	15	-
LATLON	-	-106.00000	10,668 m		
-7500S-10500W	-	-75.00000	35,000 ft	15	-
LATLON	-	-105.00000	10,668 m		
-7500S-10400W	-	-75.00000	35,000 ft	15	-
LATLON	-	-104.00000	10,668 m		
-7400S-10000W	-	-74.00000	35,000 ft	87	-
LATLON	-	-100.00000	10,668 m		
-7400S0-9900W	-	-74.00000	35,000 ft	16	-
LATLON	-	-99.00000	10,668 m		
-7400S0-9800W	-	-74.00000	35,000 ft	16	-
LATLON	-	-98.00000	10,668 m		
-7300S0-9400W	-	-73.00000	35,000 ft	90	-
LATLON	-	-94.00000	10,668 m		
-7300S0-9300W	-	-73.00000	35,000 ft	17	-
LATLON	-	-93.00000	10,668 m		
-7200S0-8900W	-	-72.00000	35,000 ft	93	-
LATLON	-	-89.00000	10,668 m		
-7100S0-8500W	-	-71.00000	35,000 ft	97	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-85.00000	10,668 m		
-7000S0-8200W	-	-70.00000	35,000 ft	84	-
LATLON	-	-82.00000	10,668 m		
-6900S0-7900W	-	-69.00000	35,000 ft	87	-
LATLON	-	-79.00000	10,668 m		
-6800S0-7700W	-	-68.00000	35,000 ft	74	-
LATLON	-	-77.00000	10,668 m		
-6600S0-7400W	-	-66.00000	35,000 ft	139	-
LATLON	-	-74.00000	10,668 m		
-6500S0-7200W	-	-65.00000	35,000 ft	78	-
LATLON	-	-72.00000	10,668 m		
-6300S0-6900W	-	-63.00000	35,000 ft	143	-
LATLON	-	-69.00000	10,668 m		
-6200S0-6800W	-	-62.00000	35,000 ft	66	-
LATLON	-	-68.00000	10,668 m		
-6000S0-6600W	-	-60.00000	35,000 ft	133	-
LATLON	-	-66.00000	10,668 m		
-5900S0-6500W	-	-59.00000	35,000 ft	67	-
LATLON	-	-65.00000	10,668 m		
LOMUR	-	-58.00030	35,000 ft	65	-
FIX	-	-64.16810	10,668 m		
-5700S0-6300W	-	-57.00000	35,000 ft	70	-
LATLON	-	-63.00000	10,668 m		
-5600S0-6200W	-	-56.00000	35,000 ft	68	-
LATLON	-	-62.00000	10,668 m		
-5400S0-6100W	-	-54.00000	35,000 ft	124	-
LATLON	-	-61.00000	10,668 m		
-5300S0-6000W	-	-53.00000	35,000 ft	69	-
LATLON	-	-60.00000	10,668 m		
-5100S0-5900W	-	-51.00000	35,000 ft	125	-
LATLON	-	-59.00000	10,668 m		
-4900S0-5800W	-	-49.00000	35,000 ft	126	-
LATLON	-	-58.00000	10,668 m		
-4800S0-5700W	-	-48.00000	35,000 ft	72	-
LATLON	-	-57.00000	10,668 m		
-4600S0-5600W	-	-46.00000	35,000 ft	126	-
LATLON	-	-56.00000	10,668 m		
-4400S0-5500W	-	-44.00000	35,000 ft	127	-
LATLON	-	-55.00000	10,668 m		
-4300S0-5500W	-	-43.00000	35,000 ft	60	-
LATLON	-	-55.00000	10,668 m		
-4100S0-5400W	-	-41.00000	35,000 ft	128	-
LATLON	-	-54.00000	10,668 m		
-3900S0-5300W	-	-39.00000	35,000 ft	128	-
LATLON	-	-53.00000	10,668 m		
-3800S0-5300W	-	-38.00000	35,000 ft	60	-
LATLON	-	-53.00000	10,668 m		
GUXOR	-	-37.37500	35,000 ft	37	-
FIX	-	-53.00000	10,668 m		
-3600S0-5200W	-	-36.00000	35,000 ft	95	-
LATLON	-	-52.00000	10,668 m		
-3400S0-5200W	-	-34.00000	35,000 ft	120	-
LATLON	-	-52.00000	10,668 m		
TOSAD	-	-32.12120	35,000 ft	112	-
FIX	-	-51.89850	10,668 m		
CALVE	-	-30.76870	35,000 ft	81	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	-	-51.90170	10,668 m		
NELOX	UM540	-29.99600	35,000 ft	60	-
FIX	AWY-HI	-51.16520	10,668 m		
JUICE	UM540	-29.48120	35,000 ft	44	-
FIX	AWY-HI	-50.55330	10,668 m		
NANDU	UM540	-28.55020	35,000 ft	62	-
FIX	AWY-HI	-50.00870	10,668 m		
BITOV	UM540	-27.72310	35,000 ft	60	-
FIX	AWY-HI	-49.35890	10,668 m		
PONCA	UM540	-26.91230	35,000 ft	58	-
FIX	AWY-HI	-48.74500	10,668 m		
OSAMU	UM540	-25.94680	35,000 ft	69	-
FIX	AWY-HI	-48.02130	10,668 m		
RONUT	UM671	-25.20950	24,600 ft	60	-
FIX	AWY-HI	-47.25100	7,498 m		
NEGUS	UZ23	-24.50590	15,000 ft	44	-
FIX	AWY-HI	-46.96850	4,572 m		
SBGR	-	-23.43230	0 ft	70	Guarulhos-Andre Franco Montoro Intl
APT	-	-46.46950	0 m		

YSSY

Region: AUSTRALIA
Timezone: AUSTRALIA/SYDNEY
Runways: 3

Elevation: 21 ft / 6 m
Location: -33.946100 151.177000
Magnetic Var: 12.671 E

METAR

YSSY 061500Z AUTO 10018KT 9999 // SCT038 SCT045 SCT056 17/12 Q1029

TAF

TAF YSSY 061417Z 0615/0718 13013KT 9999 -SHRA SCT030 FM062000 17014KT 9999 -SHRA SCT030 FM070900 19010KT 9999 -SHRA

Frequencies

REC - 118.55 MHz - ATIS	REC - 126.55 MHz - ATIS
TWR - 124.70 MHz - SYDNEY TOWER	TWR - 120.50 MHz - SYDNEY TOWER
GND - 126.50 MHz - SYDNEY GROUND	GND - 121.70 MHz - SYDNEY GROUND
GND - 130.95 MHz - ANSETT APRON	GND - 127.60 MHz - SYDNEY COORDINATOR
CLD - 133.80 MHz - SYDNEY CLEARANCE DELIVERY	APP - 124.40 MHz - SYDNEY APPROACH
APP - 128.30 MHz - SYDNEY APPROACH	APP - 135.90 MHz - SYDNEY APPROACH
APP - 126.10 MHz - SYDNEY DIRECT	APP - 125.30 MHz - SYDNEY DIRECT
APP - 133.95 MHz - ILS MONITOR	APP - 119.45 MHz - ILS MONITOR
DEP - 129.70 MHz - SYDNEY DEPARTURE	DEP - 128.30 MHz - SYDNEY DEPARTURE
DEP - 123.00 MHz - SYDNEY DEPARTURE	DEP - 118.40 MHz - SYDNEY DEPARTURE

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
16L	148 ft	8,018 ft	167.85	ASPHALT	758 ft	295 ft
	45 m	2,444 m	155.18		231 m	90 m
34R	148 ft	8,018 ft	347.85	ASPHALT	125 ft	295 ft
	45 m	2,444 m	335.18		38 m	90 m
07	148 ft	8,285 ft	74.14	ASPHALT	0 ft	489 ft
	45 m	2,525 m	61.46		0 m	149 m
25	148 ft	8,285 ft	254.12	ASPHALT	331 ft	197 ft
	45 m	2,525 m	241.45		101 m	60 m
16R	148 ft	13,029 ft	167.86	ASPHALT	279 ft	299 ft
	45 m	3,971 m	155.19		85 m	91 m
34L	148 ft	13,029 ft	347.85	ASPHALT	0 ft	620 ft
	45 m	3,971 m	335.18		0 m	189 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
07	DME	ISY	109.90 MHz	18 nm	-	-	20 ft
				33 km	-		20 m
16L	DME	ISS	110.90 MHz	18 nm	-	-	30 ft
				33 km	-		30 m
25	DME	ISW	109.70 MHz	18 nm	-	-	33 ft
				33 km	-		33 m
34R	DME	IKN	109.30 MHz	18 nm	-	-	20 ft
				33 km	-		20 m
07	LOC-ILS	ISY	109.90 MHz	18 nm	74.13	-	21 ft
				33 km	61.46		21 m
16L	LOC-ILS	ISS	110.90 MHz	18 nm	167.85	-	21 ft
				33 km	155.18		21 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
16R	LOC-ILS	IKS	109.50 MHz	18 nm	167.86	-	21 ft
				33 km	155.19		21 m
25	LOC-ILS	ISW	109.70 MHz	18 nm	254.13	-	21 ft
				33 km	241.46		21 m
34L	LOC-ILS	ISN	110.10 MHz	18 nm	347.86	-	21 ft
				33 km	335.19		21 m
34R	LOC-ILS	IKN	109.30 MHz	18 nm	347.85	-	21 ft
				33 km	335.18		21 m
07	GS	ISY	109.90 MHz	10 nm	74.13	3.00	21 ft
				19 km	61.46		21 m
16L	GS	ISS	110.90 MHz	10 nm	167.85	3.00	21 ft
				19 km	155.18		21 m
16R	GS	IKS	109.50 MHz	10 nm	167.86	3.00	21 ft
				19 km	155.19		21 m
25	GS	ISW	109.70 MHz	10 nm	254.13	3.00	21 ft
				19 km	241.46		21 m
34L	GS	ISN	110.10 MHz	10 nm	347.86	3.00	21 ft
				19 km	335.19		21 m
34R	GS	IKN	109.30 MHz	10 nm	347.85	3.00	21 ft
				19 km	335.18		21 m

SBGR

Region: BRAZIL
Timezone: AMERICA/SAO_PAULO
Runways: 2

Elevation: 2,461 ft / 750 m
Location: -23.432300 -46.469500
Magnetic Var: 22.208 W

METAR

SBGR 061500Z 36006KT CAVOK 29/09 Q1019

TAF

TAF SBGR 060900Z 0612/0718 06005KT 8000 NSC TX31/0618Z TN18/0709Z BECMG 0613/0615 03007KT CAVOK BECMG 0622/0624 0

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