

LEMD

Adolfo Suarez Madrid-Barajas

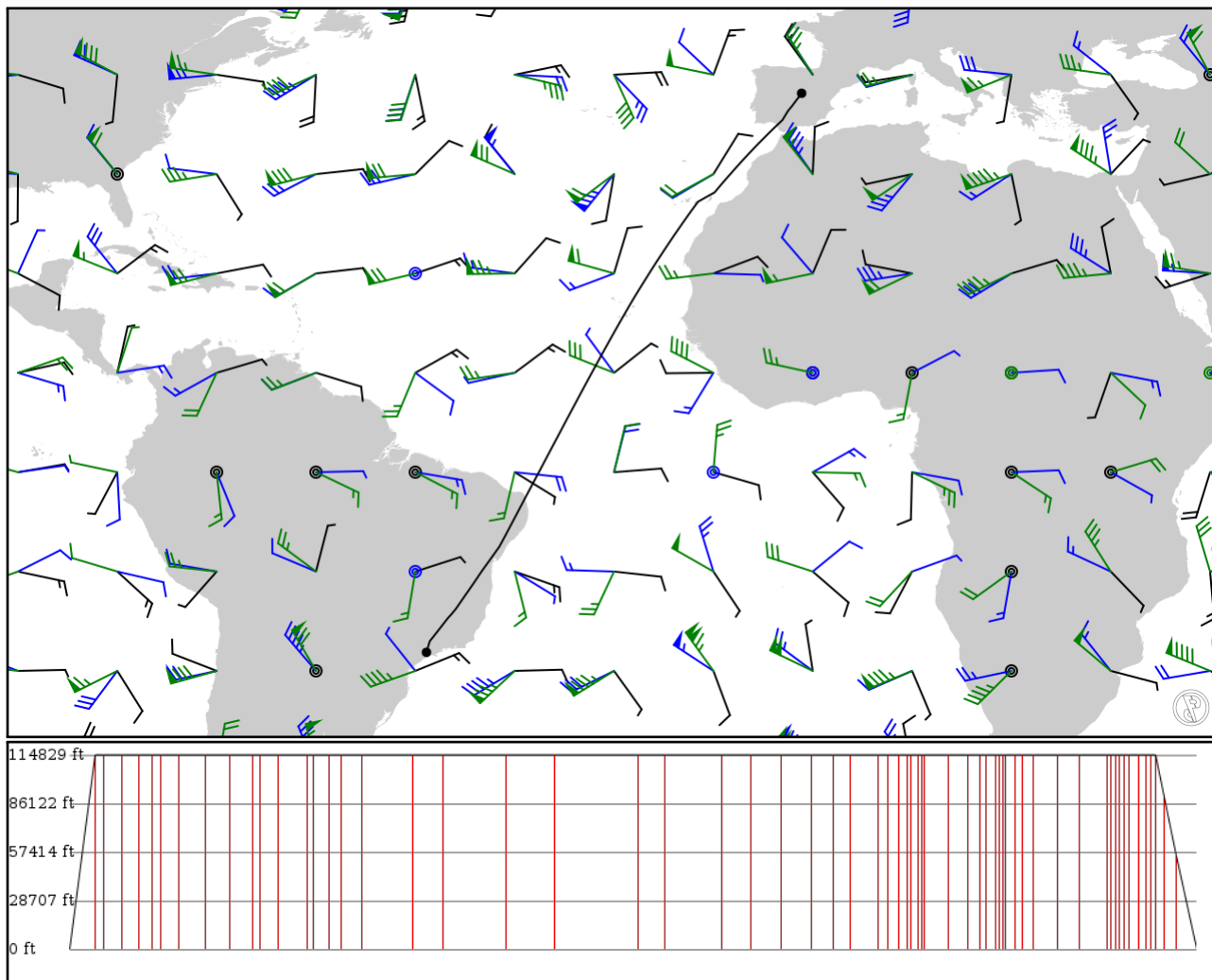
SBGR

Guarulhos-Andre Franco Montoro Intl

2024/05/13 1228Z

LEMD MOLIN UN857 HIJ UN10 SVL UN857 LZR UN871 GDV UN873 NTL UZ14 TOMAS UZ21 GEVGA SBGR

4545.80 nm / 8418.83 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: no
- Use high airways: yes

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LEMD APT	-	40.49530 -3.56020	0 ft 0 m	-	Adolfo Suarez Madrid-Barajas
MOLIN FIX	-	39.00000 -4.68575	35,000 ft 10,668 m	103	-
HIJ VOR	UN857 AWY-HI	38.50810 -5.09969	35,000 ft 10,668 m	35	HINOJOSA DEL DUQUE
SVL VOR	UN10 AWY-HI	37.42760 -5.76222	35,000 ft 10,668 m	72	SEVILLE
CLANA FIX	UN857 AWY-HI	36.50890 -6.72697	35,000 ft 10,668 m	72	-
KORNO FIX	UN857 AWY-HI	35.83330 -7.41667	35,000 ft 10,668 m	52	-
ABODA FIX	UN857 AWY-HI	35.41390 -7.83333	35,000 ft 10,668 m	32	-
IBALU FIX	UN857 AWY-HI	34.44440 -8.78917	35,000 ft 10,668 m	74	-
ERMED FIX	UN857 AWY-HI	33.01530 -10.13640	35,000 ft 10,668 m	109	-
TOVRA FIX	UN857 AWY-HI	31.75390 -11.27750	35,000 ft 10,668 m	95	-
VEDOD FIX	UN857 AWY-HI	30.50580 -12.37330	35,000 ft 10,668 m	93	-
TERTO FIX	UN857 AWY-HI	30.10420 -12.71720	35,000 ft 10,668 m	29	-
LZR VOR	UN857 AWY-HI	29.16600 -13.51070	35,000 ft 10,668 m	69	LANZAROTE
GDV VOR	UN871 AWY-HI	28.07710 -15.42900	35,000 ft 10,668 m	120	GRAN CANARIA
LOMAS FIX	UN873 AWY-HI	27.72040 -15.69110	35,000 ft 10,668 m	25	-
ODEGI FIX	UN873 AWY-HI	26.89460 -16.29010	35,000 ft 10,668 m	59	-
UDATI FIX	UN873 AWY-HI	26.19780 -16.78640	35,000 ft 10,668 m	49	-
LIMAL FIX	UN873 AWY-HI	25.00000 -17.62560	35,000 ft 10,668 m	85	-
ISOKA FIX	UN873 AWY-HI	22.08140 -19.59000	35,000 ft 10,668 m	205	-
IPERA FIX	UN873 AWY-HI	20.36500 -20.70000	35,000 ft 10,668 m	120	-
CVS VOR	UN873 AWY-HI	16.73670 -22.95080	35,000 ft 10,668 m	252	SAL
POMAT FIX	UN873 AWY-HI	13.87670 -24.59670	35,000 ft 10,668 m	196	-
SAGMA FIX	UN873 AWY-HI	8.94167 -27.33500	35,000 ft 10,668 m	337	-
ASEBA FIX	UN873 AWY-HI	7.31111 -28.21890	35,000 ft 10,668 m	111	-
TASIL FIX	UN873 AWY-HI	4.00500 -29.99000	35,000 ft 10,668 m	225	-
ORARO FIX	UN873 AWY-HI	2.24717 -30.92280	35,000 ft 10,668 m	119	-
SALPU	UN873	0.44317	35,000 ft	122	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-31.87730	10,668 m		
INTOL	UN873	-1.36083	35,000 ft	122	-
FIX	AWY-HI	-32.83150	10,668 m		
VUNOK	UN873	-2.63800	35,000 ft	86	-
FIX	AWY-HI	-33.50880	10,668 m		
FEMUR	UN873	-3.63400	35,000 ft	67	-
FIX	AWY-HI	-34.03620	10,668 m		
IBAGA	UN873	-5.31783	35,000 ft	114	-
FIX	AWY-HI	-34.93280	10,668 m		
NTL	UN873	-5.90833	35,000 ft	40	NATAL
VOR	AWY-HI	-35.24870	10,668 m		
RODES	UZ14	-6.50200	35,000 ft	40	-
FIX	AWY-HI	-35.55870	10,668 m		
SEVIL	UZ14	-7.04067	35,000 ft	36	-
FIX	AWY-HI	-35.84070	10,668 m		
OPNED	UZ14	-7.22833	35,000 ft	12	-
FIX	AWY-HI	-35.93900	10,668 m		
VACAR	UZ14	-7.66533	35,000 ft	29	-
FIX	AWY-HI	-36.16870	10,668 m		
EVPA8	UZ14	-7.93167	35,000 ft	18	-
FIX	AWY-HI	-36.30850	10,668 m		
IMBOS	UZ14	-8.07517	35,000 ft	9	-
FIX	AWY-HI	-36.38420	10,668 m		
AVILA	UZ14	-9.51667	35,000 ft	97	-
FIX	AWY-HI	-37.14770	10,668 m		
BUTED	UZ14	-10.63720	35,000 ft	76	-
FIX	AWY-HI	-37.74500	10,668 m		
TOMAS	UZ14	-11.33880	35,000 ft	47	-
FIX	AWY-HI	-38.12300	10,668 m		
SAPSI	UZ21	-11.66220	35,000 ft	23	-
FIX	AWY-HI	-38.35300	10,668 m		
UGUDI	UZ21	-12.22680	35,000 ft	41	-
FIX	AWY-HI	-38.75620	10,668 m		
UTKUD	UZ21	-12.43330	35,000 ft	15	-
FIX	AWY-HI	-38.90420	10,668 m		
VUKPO	UZ21	-12.63580	35,000 ft	14	-
FIX	AWY-HI	-39.04970	10,668 m		
PORBA	UZ21	-12.78650	35,000 ft	11	-
FIX	AWY-HI	-39.15820	10,668 m		
NITBO	UZ21	-13.27950	35,000 ft	36	-
FIX	AWY-HI	-39.51400	10,668 m		
TOSOP	UZ21	-13.72180	35,000 ft	32	-
FIX	AWY-HI	-39.83470	10,668 m		
MOPSO	UZ21	-14.32030	35,000 ft	43	-
FIX	AWY-HI	-40.25330	10,668 m		
MOTBO	UZ21	-15.66850	35,000 ft	96	-
FIX	AWY-HI	-41.16700	10,668 m		
UTGIR	UZ21	-16.84550	35,000 ft	85	-
FIX	AWY-HI	-41.98750	10,668 m		
OPVUK	UZ21	-18.41700	35,000 ft	113	-
FIX	AWY-HI	-43.07380	10,668 m		
VAPAR	UZ21	-18.66150	35,000 ft	18	-
FIX	AWY-HI	-43.26880	10,668 m		
EPDIM	UZ21	-18.91970	35,000 ft	19	-
FIX	AWY-HI	-43.48320	10,668 m		
NISTI	UZ21	-19.06230	35,000 ft	10	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-43.60200	10,668 m		
DEPOT	UZ21	-19.30420	35,000 ft	19	-
FIX	AWY-HI	-43.81930	10,668 m		
CNF	UZ21	-19.55820	35,000 ft	20	CONFINS (BELO HORIZONTE)
VOR	AWY-HI	-44.04850	10,668 m		
REDAD	UZ21	-20.13650	35,000 ft	42	-
FIX	AWY-HI	-44.49570	10,668 m		
PUDVA	UZ21	-20.48970	35,000 ft	26	-
FIX	AWY-HI	-44.77090	10,668 m		
MAVBO	UZ21	-20.74430	35,000 ft	18	-
FIX	AWY-HI	-44.97000	10,668 m		
UKPAD	UZ21	-21.02270	35,000 ft	20	-
FIX	AWY-HI	-45.18900	10,668 m		
MAPMI	UZ21	-21.49770	27,500 ft	35	-
FIX	AWY-HI	-45.56520	8,382 m		
GEVGA	UZ21	-22.16270	16,900 ft	49	-
FIX	AWY-HI	-46.08980	5,151 m		
SBGR	-	-23.43230	0 ft	79	Guarulhos-Andre Franco Montoro Intl
APT	-	-46.46950	0 m		

LEMD

Region: SPAIN
Timezone: EUROPE/MADRID
Runways: 4

Elevation: 1,998 ft / 609 m
Location: 40.495300 -3.560200
Magnetic Var: 0.079 E

METAR

LEMD 131200Z 24011KT CAVOK 26/08 Q1011 NOSIG

TAF

TAF TAF LEMD 131100Z 1312/1418 21010KT CAVOK TX29/1315Z TN11/1405Z PROB40 TEMPO 1312/1322 22015G25KT PROB30 TEMPO

Frequencies

REC - 130.85 MHz - ATIS DEPARTURE	REC - 118.25 MHz - ATIS ARRIVAL
TWR - 120.65 MHz - BARAJAS TOWER	TWR - 120.15 MHz - BARAJAS TOWER
TWR - 119.50 MHz - BARAJAS TOWER	TWR - 118.15 MHz - BARAJAS TOWER
GND - 121.75 MHz - BARAJAS GROUND	GND - 123.15 MHz - BARAJAS GROUND
GND - 121.70 MHz - BARAJAS APRON	GND - 123.25 MHz - BARAJAS APRON
GND - 121.85 MHz - BARAJAS APRON	GND - 123.00 MHz - BARAJAS APRON
CLD - 130.35 MHz - CLEARANCE DELIVERY	CLD - 130.00 MHz - CLEARANCE DELIVERY
APP - 127.50 MHz - MADRID APPROACH	APP - 136.10 MHz - MADRID APPROACH
APP - 134.00 MHz - MADRID APPROACH	APP - 130.80 MHz - MADRID APPROACH
APP - 127.10 MHz - MADRID APPROACH	APP - 124.00 MHz - MADRID APPROACH
APP - 118.75 MHz - MADRID APPROACH	APP - 118.40 MHz - MADRID APPROACH
DEP - 131.17 MHz - MADRID DEPARTURE	DEP - 124.22 MHz - MADRID DEPARTURE
APP - 134.95 MHz - MADRID DIRECT	APP - 128.70 MHz - MADRID DIRECT

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
14R	197 ft	13,097 ft	142.31	ASPHALT	0 ft	0 ft
	60 m	3,992 m	142.23		0 m	0 m
32L	197 ft	13,097 ft	322.32	ASPHALT	3,041 ft	0 ft
	60 m	3,992 m	322.25		927 m	0 m
18R	197 ft	13,723 ft	179.75	ASPHALT	2,644 ft	0 ft
	60 m	4,183 m	179.67		806 m	0 m
36L	197 ft	13,723 ft	359.75	ASPHALT	0 ft	0 ft
	60 m	4,183 m	359.67		0 m	0 m
14L	197 ft	11,494 ft	142.31	ASPHALT	0 ft	0 ft
	60 m	3,504 m	142.24		0 m	0 m
32R	197 ft	11,494 ft	322.33	ASPHALT	1,627 ft	0 ft
	60 m	3,504 m	322.25		496 m	0 m
18L	197 ft	11,494 ft	179.76	ASPHALT	1,621 ft	0 ft
	60 m	3,503 m	179.68		494 m	0 m
36R	197 ft	11,494 ft	359.76	ASPHALT	0 ft	0 ft
	60 m	3,503 m	359.68		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
18L	DME	IML	111.50 MHz	18 nm	-	-	1,916 ft
				33 km	-		1,916 m
18R	DME	IMR	110.70 MHz	18 nm	-	-	1,986 ft
				33 km	-		1,986 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
32L	DME	MAA	109.90 MHz	18 nm	-	-	1,998 ft
				33 km	-		1,998 m
32R	DME	MBB	109.10 MHz	18 nm	-	-	1,998 ft
				33 km	-		1,998 m
18L	LOC-ILS	IML	111.50 MHz	18 nm	179.76	-	1,998 ft
				33 km	179.68		1,998 m
18R	LOC-ILS	IMR	110.70 MHz	18 nm	179.75	-	1,998 ft
				33 km	179.67		1,998 m
32L	LOC-ILS	MAA	109.90 MHz	18 nm	322.32	-	1,998 ft
				33 km	322.24		1,998 m
32R	LOC-ILS	MBB	109.10 MHz	18 nm	322.33	-	1,998 ft
				33 km	322.25		1,998 m
18L	GS	IML	111.50 MHz	10 nm	179.76	3.00	1,998 ft
				19 km	179.68		1,998 m
18R	GS	IMR	110.70 MHz	10 nm	179.75	3.00	1,978 ft
				19 km	179.67		1,978 m
32L	GS	MAA	109.90 MHz	10 nm	322.32	3.00	1,998 ft
				19 km	322.24		1,998 m
32R	GS	MBB	109.10 MHz	10 nm	322.33	3.00	1,998 ft
				19 km	322.25		1,998 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 131200Z 29014KT CAVOK 25/13 Q1017

TAF

TAF SBGR 130900Z 1312/1418 34005KT CAVOK TX30/1317Z TN17/1408Z BECMG 1313/1316 33012KT FEW040 BECMG 1316/1318 SCT

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