

LEMD

Adolfo Suárez Madrid-Barajas

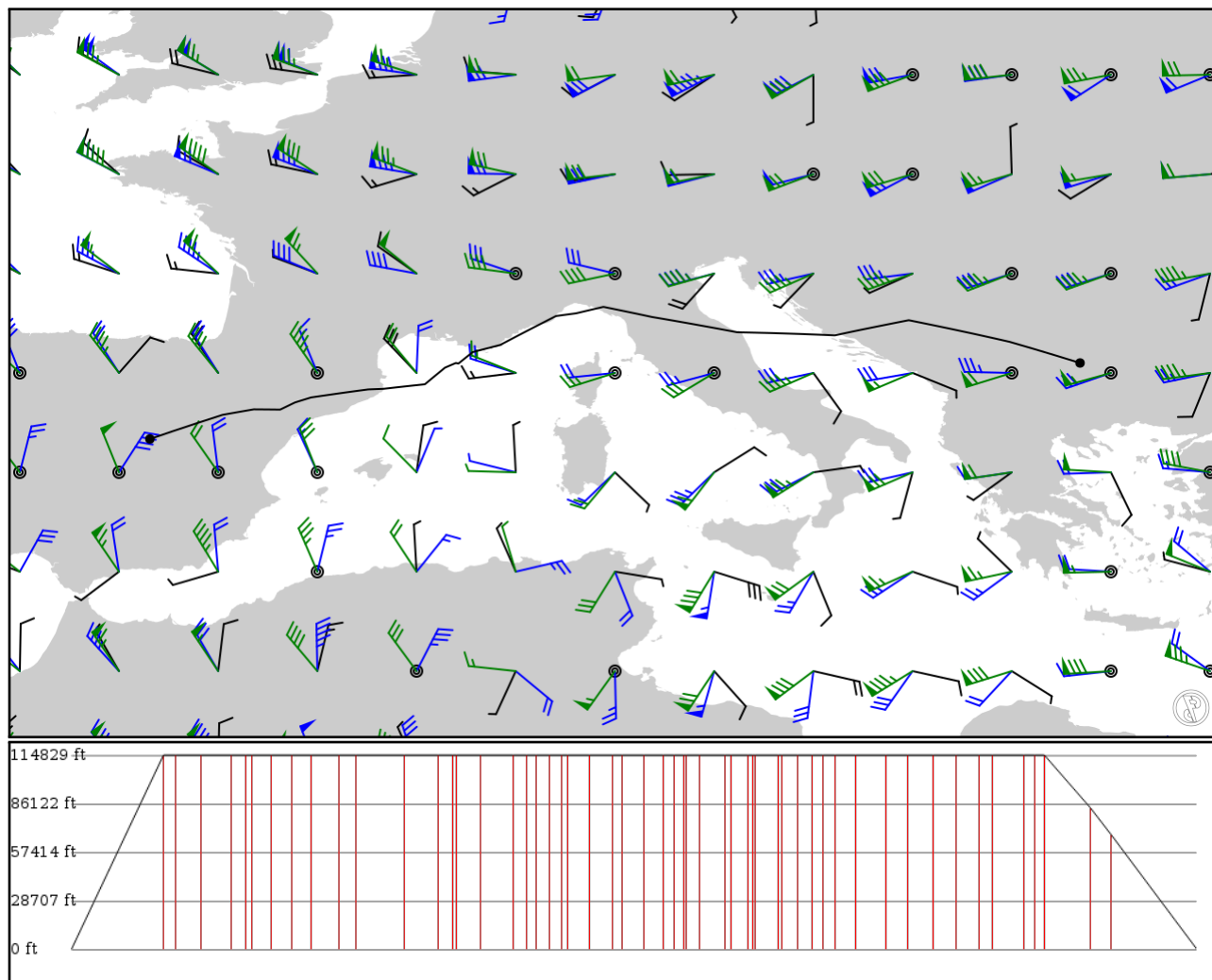
LBSF

Sofia

2024/05/16 0939Z

LEMD PISUS **UN870** SEROX **H110** DIBER **UN870** SOSUR **N86** TINOT **UY268** NIBIK **UZ191** STP **Y15** PIGOS **UM985**
EKSID **M985** ABN **Z388** KALMO **M730** SPL **Y88** KEB **L614** GINAM LBSF

1269.87 nm / 2351.79 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
LEMD APT	-	40.49530 -3.56020	0 ft 0 m	-	Adolfo Suárez Madrid-Barajas
PISUS FIX	-	41.19370 -1.45500	35,000 ft 10,668 m	104	-
GOVIG FIX	UN870 AWY-HI	41.24460 -1.17136	35,000 ft 10,668 m	13	-
PONEN FIX	UN870 AWY-HI	41.35390 -0.54761	35,000 ft 10,668 m	28	-
SEROX FIX	UN870 AWY-HI	41.34670 0.21869	35,000 ft 10,668 m	34	-
OSVAK FIX	H110 AWY-LO	41.48750 0.51111	35,000 ft 10,668 m	15	-
LRD NDB	H110 AWY-LO	41.55290 0.64803	35,000 ft 10,668 m	7	LERIDA
REBUL FIX	H110 AWY-LO	41.69790 1.11347	35,000 ft 10,668 m	22	-
LATRO FIX	H110 AWY-LO	41.77160 1.61831	35,000 ft 10,668 m	23	-
MAMUK FIX	H110 AWY-LO	41.83680 2.07208	35,000 ft 10,668 m	20	-
GIR VOR	H110 AWY-LO	41.93130 2.77186	35,000 ft 10,668 m	31	GERONA (GIRONA)
BGR VOR	H110 AWY-LO	41.94770 3.20886	35,000 ft 10,668 m	19	BAGUR
DIBER FIX	H110 AWY-LO	42.07970 4.41500	35,000 ft 10,668 m	54	-
SOSUR FIX	UN870 AWY-HI	42.56020 4.99739	35,000 ft 10,668 m	38	-
TINOT FIX	N86 AWY-LO	42.69770 5.31511	35,000 ft 10,668 m	16	-
NIBIK FIX	UY268 AWY-HI	42.67940 5.38833	35,000 ft 10,668 m	3	-
NETUP FIX	UZ191 AWY-HI	43.01220 5.80389	35,000 ft 10,668 m	27	-
STP VOR	UZ191 AWY-HI	43.21950 6.60181	35,000 ft 10,668 m	37	SAINT TROPEZ
RAPED FIX	Y15 AWY-LO	43.37330 6.89333	35,000 ft 10,668 m	15	-
XAMAL FIX	Y15 AWY-LO	43.47860 7.09444	35,000 ft 10,668 m	10	-
PIGOS FIX	Y15 AWY-LO	43.62220 7.37111	35,000 ft 10,668 m	14	-
EKSID FIX	UM985 AWY-HI	43.75690 7.63278	35,000 ft 10,668 m	13	-
NOSTA FIX	M985 AWY-HI	43.81940 7.75528	35,000 ft 10,668 m	6	-
ABN NDB	M985 AWY-HI	44.05600 8.22100	35,000 ft 10,668 m	24	ALBENGA
IXITO FIX	Z388 AWY-HI	44.13470 8.80361	35,000 ft 10,668 m	25	-
OTMUV FIX	Z388 AWY-HI	44.19470 9.05472	35,000 ft 10,668 m	11	-
KALMO	Z388	44.32170	35,000 ft	24	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	9.59417	10,668 m		
MIVKI	M730	44.22420	35,000 ft	21	-
FIX	AWY-HI	10.07060	10,668 m		
BEROK	M730	44.16560	35,000 ft	12	-
FIX	AWY-HI	10.35170	10,668 m		
RUXOL	M730	44.11530	35,000 ft	10	-
FIX	AWY-HI	10.59310	10,668 m		
BALUK	M730	44.09860	35,000 ft	3	-
FIX	AWY-HI	10.66970	10,668 m		
LOMED	M730	44.02720	35,000 ft	15	-
FIX	AWY-HI	11.00330	10,668 m		
VABMO	M730	43.92170	35,000 ft	27	-
FIX	AWY-HI	11.62420	10,668 m		
BAGNO	M730	43.89060	35,000 ft	7	-
FIX	AWY-HI	11.80220	10,668 m		
PIDEP	M730	43.81780	35,000 ft	18	-
FIX	AWY-HI	12.21750	10,668 m		
LIKNO	M730	43.79390	35,000 ft	5	-
FIX	AWY-HI	12.34830	10,668 m		
ASDOR	M730	43.78470	35,000 ft	2	-
FIX	AWY-HI	12.39970	10,668 m		
SORUG	M730	43.67850	35,000 ft	26	-
FIX	AWY-HI	12.98240	10,668 m		
BIDMA	M730	43.66190	35,000 ft	3	-
FIX	AWY-HI	13.07140	10,668 m		
ANC	M730	43.58640	35,000 ft	17	ANCONA
VOR	AWY-HI	13.47110	10,668 m		
KEGED	M730	43.57880	35,000 ft	15	-
FIX	AWY-HI	13.83780	10,668 m		
LISKO	M730	43.57140	35,000 ft	12	-
FIX	AWY-HI	14.13220	10,668 m		
TORPO	M730	43.56420	35,000 ft	12	-
FIX	AWY-LO	14.42470	10,668 m		
ELGUS	M730	43.54780	35,000 ft	23	-
FIX	AWY-LO	14.96670	10,668 m		
UMSON	M730	43.51920	35,000 ft	34	-
FIX	AWY-LO	15.76750	10,668 m		
SPL	M730	43.49660	35,000 ft	23	SPLIT
VOR	AWY-LO	16.30470	10,668 m		
KENEM	Y88	43.63330	35,000 ft	29	-
FIX	AWY-LO	16.94670	10,668 m		
VRANA	Y88	43.75360	35,000 ft	26	-
FIX	AWY-LO	17.53780	10,668 m		
GILUK	Y88	43.86690	35,000 ft	25	-
FIX	AWY-LO	18.10560	10,668 m		
KEB	Y88	43.93390	35,000 ft	15	SARAJEVO
VOR	AWY-LO	18.44980	10,668 m		
MITNO	L614	43.77330	35,000 ft	35	-
FIX	AWY-LO	19.24170	10,668 m		
PESAK	L614	43.71860	35,000 ft	11	-
FIX	AWY-LO	19.50420	10,668 m		
TORTO	L614	43.67090	35,000 ft	10	-
FIX	AWY-LO	19.73130	10,668 m		
RAMAP	L614	43.41840	25,500 ft	52	-
FIX	AWY-LO	20.89110	7,772 m		
GINAM	L614	43.30860	20,700 ft	22	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-LO	21.37640	6,309 m		
LBSF	-	42.69640	0 ft	96	Sofia
APT	-	23.41790	0 m		

LEMD

Region: SPAIN
Timezone: EUROPE/MADRID
Runways: 4

Elevation: 1,998 ft / 609 m
Location: 40.495300 -3.560200
Magnetic Var: 0.080 E

METAR

LEMD 160900Z 29010KT 270V330 9999 SCT050 15/00 Q1010 NOSIG

TAF

TAF AMD LEMD 160745Z 1607/1712 27010KT 9999 SCT060 TX21/1615Z TN09/1705Z BECMG 1608/1610 25010G20KT SCT020 PROB30

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	322.24		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	142.23		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

LBSF

Region: BULGARIA
Timezone: EUROPE/SOFIA
Runways: 1

Elevation: 1,741 ft / 531 m
Location: 42.696400 23.417900
Magnetic Var: 5.604 E

METAR

LBSF 160900Z 11013KT 9999 OVC020 11/08 Q1022 NOSIG

TAF

TAF LBSF 160500Z 1606/1706 10012KT 9999 SCT015 BKN020 OVC040 TEMPO 1609/1618 4000 RA BKN010 OVC030 TEMPO 1701/1706 4000 RA

Frequencies

REC - 123.70 MHz - SOFIA ATIS
APP - 123.70 MHz - SOFIA APPROACH

TWR - 118.10 MHz - SOFIA TOWER

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
09	148 ft	11,777 ft	94.64	ASPHALT	978 ft	390 ft
	45 m	3,590 m	89.04		298 m	119 m
27	148 ft	11,777 ft	274.67	ASPHALT	0 ft	397 ft
	45 m	3,590 m	269.07		0 m	121 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
09	DME	ISL	110.70 MHz	18 nm	-	-	1,741 ft
				33 km	-		1,741 m
09	LOC-ILS	ISL	110.70 MHz	18 nm	93.91	-	1,741 ft
				33 km	88.31		1,741 m
27	LOC-ILS	ISF	109.50 MHz	18 nm	273.91	-	1,741 ft
				33 km	268.31		1,741 m
09	GS	ISL	110.70 MHz	10 nm	95.00	3.00	1,741 ft
				19 km	89.40		1,741 m
27	GS	ISF	109.50 MHz	10 nm	275.00	3.00	1,741 ft
				19 km	269.40		1,741 m