

LEMD

Adolfo Suárez Madrid-Barajas

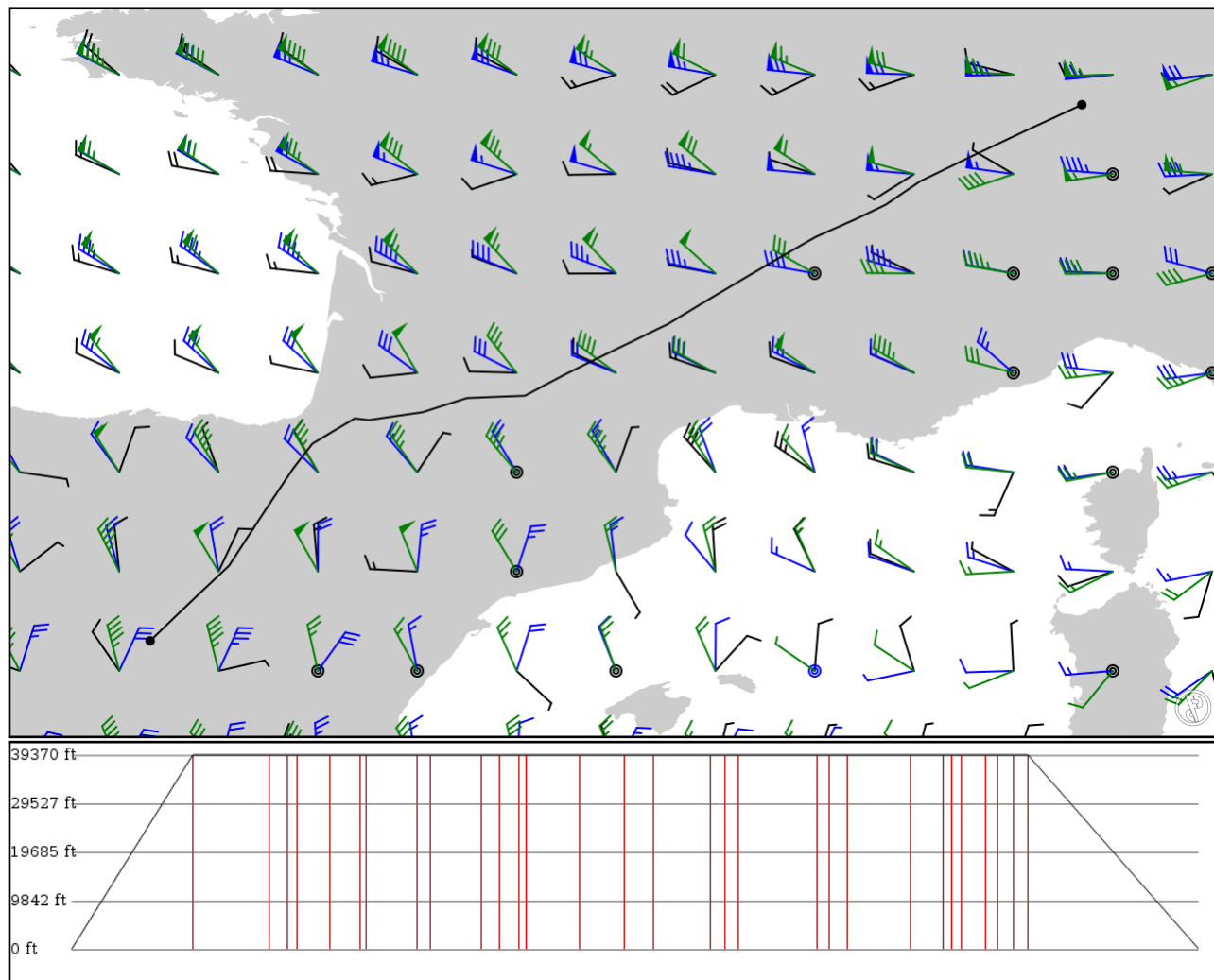
LSZH

Zurich

2024/05/05 0054Z

LEMD HERMI **R10** PPN **R299** BEGUY SOVOS **G17** AUCHE **G5** SPR LSZH

692.33 nm / 1282.19 km



Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 12000ft
- Cruise Speed: 420kts
- Descent Rate: 5000ft/min
- Descent Speed: 250kts

Options:

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

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LEMD APT	-	40.49530 -3.56020	0 ft 0 m	-	Adolfo Suárez Madrid-Barajas
HERMI FIX	-	41.47350 -2.53328	12,000 ft 3,658 m	74	-
GARVU FIX	R10 AWY-LO	42.17100 -2.07781	12,000 ft 3,658 m	46	-
ALEPO FIX	R10 AWY-LO	42.34370 -1.96333	12,000 ft 3,658 m	11	-
NOLSA FIX	R10 AWY-LO	42.42760 -1.90742	12,000 ft 3,658 m	5	-
PPN VOR	R10 AWY-LO	42.73370 -1.70200	12,000 ft 3,658 m	20	PAMPLONA
GOMSO FIX	R299 AWY-LO	42.99510 -1.50000	12,000 ft 3,658 m	18	-
BEGUY FIX	R299 AWY-LO	43.05830 -1.45083	12,000 ft 3,658 m	4	-
SOVOS FIX	-	43.38690 -0.90000	12,000 ft 3,658 m	31	-
ORTEZ FIX	G17 AWY-LO	43.36560 -0.71667	12,000 ft 3,658 m	8	-
LMB VOR	G17 AWY-LO	43.46670 -0.01842	12,000 ft 3,658 m	31	LEMBEYE
DISIS FIX	G17 AWY-LO	43.54190 0.21472	12,000 ft 3,658 m	11	-
USAKU FIX	G17 AWY-LO	43.62420 0.47222	12,000 ft 3,658 m	12	-
AUCHE FIX	G17 AWY-LO	43.65140 0.55833	12,000 ft 3,658 m	4	-
TOU VOR	G5 AWY-LO	43.68080 1.30981	12,000 ft 3,658 m	32	TOULOUSE BLAGNAC
GAI VOR	G5 AWY-LO	43.95410 1.82417	12,000 ft 3,658 m	27	GAILLAC
DEPES FIX	G5 AWY-LO	44.12330 2.16444	12,000 ft 3,658 m	17	-
ESPAL FIX	G5 AWY-LO	44.44890 2.83333	12,000 ft 3,658 m	34	-
MEN08 FIX	G5 AWY-LO	44.53920 3.01667	12,000 ft 3,658 m	9	-
MEN VOR	G5 AWY-LO	44.60840 3.16242	12,000 ft 3,658 m	7	MENDE
MINDI FIX	G5 AWY-LO	45.13690 4.04222	12,000 ft 3,658 m	49	-
VEROT FIX	G5 AWY-LO	45.21640 4.17722	12,000 ft 3,658 m	7	-
MURRO FIX	G5 AWY-LO	45.33290 4.37556	12,000 ft 3,658 m	10	-
LSE VOR	G5 AWY-LO	45.74550 5.09058	12,000 ft 3,658 m	38	LYON SAINT EXUPERY
DEPUL FIX	G5 AWY-LO	45.92500 5.49444	12,000 ft 3,658 m	20	-
ARGIS FIX	G5 AWY-LO	45.97110 5.59917	12,000 ft 3,658 m	5	-
TOKDO	G5	46.02500	12,000 ft	5	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-LO	5.71111	3,658 m		
PAS	G5	46.16370	12,000 ft	14	PASSEIRY
VOR	AWY-LO	5.99992	3,658 m		
GVA	G5	46.25390	12,000 ft	7	GENEVA
VOR	AWY-LO	6.13222	3,658 m		
PETAL	G5	46.36810	12,000 ft	9	-
FIX	AWY-LO	6.30028	3,658 m		
SPR	G5	46.46870	12,000 ft	8	ST PREX
VOR	AWY-LO	6.44806	3,658 m		
LSZH	-	47.46350	0 ft	104	Zurich
APT	-	8.54995	0 m		

LEMD

Region: SPAIN
Timezone: EUROPE/MADRID
Runways: 4

Elevation: 1,998 ft / 609 m
Location: 40.495300 -3.560200
Magnetic Var: 0.076 E

METAR

LEMD 050030Z 24006KT 210V270 CAVOK 19/07 Q1016 NOSIG

TAF

TAF TAF LEMD 042300Z 0500/0606 26010KT 9999 SCT030 TX22/0512Z TN12/0606Z TEMPO 0500/0506 VRB04KT PROB30 TEMPO 050

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	322.26		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

LSZH

Region: SWITZERLAND
Timezone: EUROPE/ZURICH
Runways: 3

Elevation: 1,416 ft / 432 m
Location: 47.463500 8.549950
Magnetic Var: 3.123 E

METAR

LSZH 050020Z AUTO 15004KT CAVOK 13/08 Q1013 NOSIG

TAF

TAF TAF LSZH 042325Z 0500/0606 14007KT 9999 FEW070 TX20/0515Z TN10/0504Z TN11/0604Z PROB40 TEMPO 0500/0509 RA PRO

Frequencies

REC - 125.72 MHz - ATIS	GND - 121.90 MHz - ZURICH GROUND
GND - 118.15 MHz - ZURICH GROUND	GND - 119.75 MHz - ZURICH GROUND
GND - 121.75 MHz - ZURICH APRON	GND - 121.70 MHz - ZURICH APRON
GND - 121.85 MHz - ZURICH APRON	GND - 121.97 MHz - ZURICH APRON
TWR - 118.10 MHz - ZURICH TOWER	TWR - 120.22 MHz - ZURICH TOWER
TWR - 119.70 MHz - ZURICH TOWER	APP - 118.00 MHz - ZURICH ARRIVAL
APP - 135.22 MHz - ZURICH APPROACH	APP - 125.32 MHz - ZURICH FINAL
APP - 120.75 MHz - ZURICH FINAL	DEP - 125.95 MHz - ZURICH DEPARTURE

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
16	197 ft	12,181 ft	155.03	CONCRETE	0 ft	62 ft
	60 m	3,713 m	151.91		0 m	19 m
34	197 ft	12,181 ft	335.05	CONCRETE	1,542 ft	49 ft
	60 m	3,713 m	331.92		470 m	15 m
14	197 ft	10,816 ft	137.29	CONCRETE	492 ft	75 ft
	60 m	3,297 m	134.17		150 m	23 m
32	197 ft	10,816 ft	317.31	CONCRETE	0 ft	82 ft
	60 m	3,297 m	314.19		0 m	25 m
10	197 ft	8,196 ft	95.99	CONCRETE	0 ft	62 ft
	60 m	2,498 m	92.87		0 m	19 m
28	197 ft	8,196 ft	276.02	CONCRETE	0 ft	276 ft
	60 m	2,498 m	272.89		0 m	84 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
14	DME	IKL	108.30 MHz	18 nm	-	-	1,460 ft
				33 km	-		1,460 m
16	DME	IZH	110.50 MHz	18 nm	-	-	1,400 ft
				33 km	-		1,400 m
28	DME	IZW	109.75 MHz	18 nm	-	-	1,416 ft
				33 km	-		1,416 m
34	DME	IZS	110.75 MHz	18 nm	-	-	1,410 ft
				33 km	-		1,410 m
14	LOC-ILS	IKL	111.75 MHz	18 nm	137.31	-	1,417 ft
				33 km	134.19		1,417 m
16	LOC-ILS	IZH	110.50 MHz	18 nm	155.05	-	1,417 ft
				33 km	151.93		1,417 m
28	LOC-ILS	IZW	109.75 MHz	18 nm	276.01	-	1,417 ft
				33 km	272.89		1,417 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
34	LOC-ILS	IZS	110.75 MHz	18 nm	335.06	-	1,417 ft
				33 km	331.94		1,417 m
14	GS	IKL	111.75 MHz	10 nm	137.31	3.00	1,417 ft
				19 km	134.19		1,417 m
16	GS	IZH	110.50 MHz	10 nm	155.05	3.00	1,417 ft
				19 km	151.93		1,417 m
28	GS	IZW	109.75 MHz	10 nm	276.01	3.30	1,417 ft
				19 km	272.89		1,417 m
34	GS	IZS	110.75 MHz	10 nm	335.06	3.30	1,417 ft
				19 km	331.94		1,417 m