

LOWW

Vienna

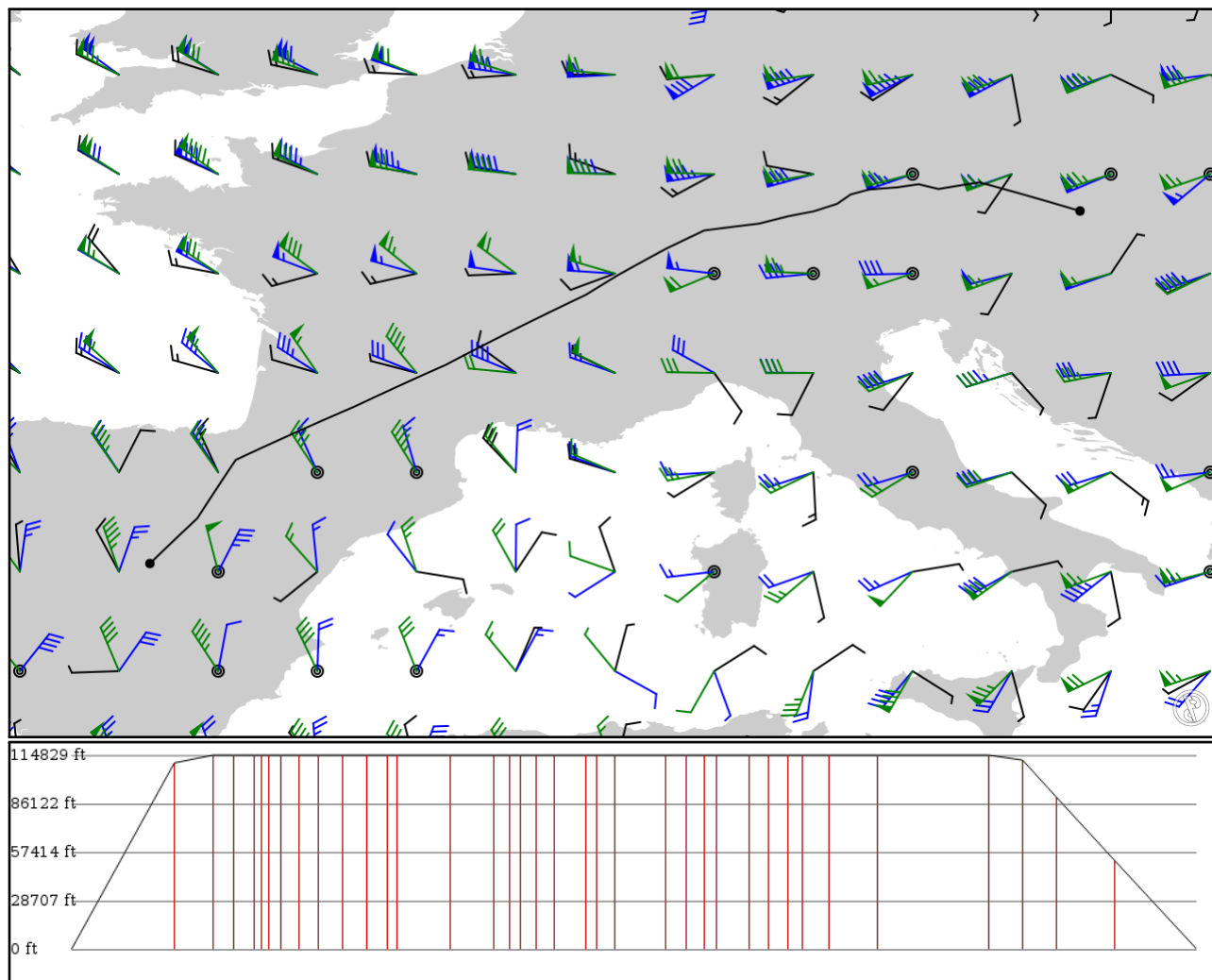
LEMD

Adolfo Suárez Madrid-Barajas

2024/05/03 0909Z

LOWW TIVAP RENKA **UL610** GONBA BINGU **T108** TUSTO **T106** LANDU **T105** ANKER OLETU MAH **Y109** UMTX **Y100** TRA
Z69 OLBEN **UN869** AGN **UL866** PPN **UN10** HERMI LEMD

1029.77 nm / 1907.13 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
LOWW	-	48.11010	0 ft	-	Vienna
APT	-	16.56960	0 m		
TIVAP	-	48.72910	33,600 ft	94	-
FIX	-	14.39400	10,241 m		
RENKA	-	48.58470	35,000 ft	36	-
FIX	-	13.50530	10,668 m		
GONBA	UL610	48.68780	35,000 ft	18	-
FIX	AWY-HI	13.07580	10,668 m		
BINGU	-	48.62030	35,000 ft	18	-
FIX	-	12.61750	10,668 m		
TUSTO	T108	48.60830	35,000 ft	7	-
FIX	AWY-HI	12.44170	10,668 m		
LANDU	T106	48.59640	35,000 ft	6	-
FIX	AWY-HI	12.27390	10,668 m		
ANKER	T105	48.57260	35,000 ft	10	-
FIX	AWY-HI	12.00230	10,668 m		
OLETU	-	48.46690	35,000 ft	17	-
FIX	-	11.60580	10,668 m		
MAH	-	48.26340	35,000 ft	16	MAISACH
VOR	-	11.31190	10,668 m		
AMEXO	Y109	48.10170	35,000 ft	22	-
FIX	AWY-HI	10.80330	10,668 m		
ALG	Y109	47.99740	35,000 ft	22	ALLGAEU (MEMMINGEN)
NDB	AWY-HI	10.26220	10,668 m		
ROREM	Y109	47.89170	35,000 ft	18	-
FIX	AWY-HI	9.84083	10,668 m		
UMTEX	Y109	47.83760	35,000 ft	9	-
FIX	AWY-HI	9.62419	10,668 m		
TRA	Y100	47.68950	35,000 ft	48	TRASADINGEN
VOR	AWY-HI	8.43697	10,668 m		
OLBEN	Z69	47.30440	35,000 ft	40	-
FIX	AWY-HI	7.62944	10,668 m		
LUTIX	UN869	47.16500	35,000 ft	13	-
FIX	AWY-HI	7.37056	10,668 m		
BENOT	UN869	47.05770	35,000 ft	10	-
FIX	AWY-HI	7.17281	10,668 m		
NEMOS	UN869	46.91190	35,000 ft	13	-
FIX	AWY-HI	6.90656	10,668 m		
VEROX	UN869	46.72750	35,000 ft	17	-
FIX	AWY-HI	6.57333	10,668 m		
GVA10	UN869	46.41640	35,000 ft	28	-
FIX	AWY-HI	6.06389	10,668 m		
MILPA	UN869	46.30250	35,000 ft	10	-
FIX	AWY-HI	5.87972	10,668 m		
NINTU	UN869	46.14720	35,000 ft	16	-
FIX	AWY-HI	5.55306	10,668 m		
MEBAK	UN869	45.70800	35,000 ft	46	-
FIX	AWY-HI	4.64886	10,668 m		
REPSI	UN869	45.52240	35,000 ft	19	-
FIX	AWY-HI	4.27528	10,668 m		
TITVA	UN869	45.36320	35,000 ft	16	-
FIX	AWY-HI	3.95878	10,668 m		
LERGA	UN869	45.25730	35,000 ft	10	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	3.75017	10,668 m		
MOKDI	UN869	44.95690	35,000 ft	30	-
FIX	AWY-HI	3.16694	10,668 m		
OLRAK	UN869	44.78440	35,000 ft	17	-
FIX	AWY-HI	2.83722	10,668 m		
ROMAK	UN869	44.63000	35,000 ft	17	-
FIX	AWY-HI	2.48889	10,668 m		
NASEP	UN869	44.51500	35,000 ft	12	-
FIX	AWY-HI	2.23222	10,668 m		
NARAK	UN869	44.29530	35,000 ft	24	-
FIX	AWY-HI	1.74889	10,668 m		
AGN	UN869	43.88800	35,000 ft	45	AGEN
VOR	AWY-HI	0.87286	10,668 m		
PIPOR	UL866	43.00910	35,000 ft	101	-
FIX	AWY-HI	-1.10811	10,668 m		
PPN	UL866	42.73370	34,100 ft	30	PAMPLONA
VOR	AWY-HI	-1.70200	10,394 m		
VASUM	UN10	42.27190	27,400 ft	30	-
FIX	AWY-HI	-2.01100	8,352 m		
HERMI	UN10	41.47350	16,000 ft	53	-
FIX	AWY-HI	-2.53328	4,877 m		
LEMD	-	40.49530	0 ft	74	Adolfo Suárez Madrid-Barajas
APT	-	-3.56020	0 m		

LOWW

Region: AUSTRIA
Timezone: EUROPE/VIENNA
Runways: 2

Elevation: 600 ft / 183 m
Location: 48.110100 16.569600
Magnetic Var: 5.011 E

METAR

LOWW 030820Z 35004KT 9999 FEW012 BKN026 15/12 Q1010 TEMPO 12010KT SHRA BKN012

TAF

TAF LOWW 030815Z 0309/0415 31008KT 9999 BKN030 TX23/0415Z TN12/0404Z TEMPO 0309/0318 SHRA BKN020 FEW030CB FM03200

Frequencies

REC - 122.95 MHz - ATIS ARRIVAL	REC - 121.72 MHz - ATIS DEPARTURE
TWR - 124.47 MHz - WIEN TOWER	TWR - 123.80 MHz - WIEN TOWER
TWR - 121.20 MHz - WIEN TOWER	TWR - 119.40 MHz - WIEN TOWER
GND - 121.77 MHz - WIEN GROUND	GND - 121.60 MHz - WIEN GROUND
CLD - 122.12 MHz - CLEARANCE DELIVERY	APP - 134.67 MHz - WIEN RADAR
APP - 125.17 MHz - WIEN RADAR	APP - 129.05 MHz - WIEN RADAR
APP - 118.77 MHz - WIEN RADAR	APP - 136.25 MHz - WIEN RADAR
APP - 119.80 MHz - WIEN DIRECTOR	APP - 134.12 MHz - WIEN DIRECTOR
REC - 118.52 MHz - WIEN INFORMATION	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
16	148 ft	11,822 ft	164.23	ASPHALT	0 ft	197 ft
	45 m	3,604 m	159.22		0 m	60 m
34	148 ft	11,822 ft	344.24	ASPHALT	0 ft	194 ft
	45 m	3,604 m	339.23		0 m	59 m
11	148 ft	11,495 ft	115.99	ASPHALT	0 ft	174 ft
	45 m	3,504 m	110.97		0 m	53 m
29	148 ft	11,495 ft	296.02	ASPHALT	0 ft	187 ft
	45 m	3,504 m	291.01		0 m	57 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
11	DME	OEW	110.30 MHz	18 nm	-	-	593 ft
				33 km	-		593 m
16	DME	O EZ	108.50 MHz	18 nm	-	-	610 ft
				33 km	-		610 m
29	DME	O EX	109.55 MHz	18 nm	-	-	624 ft
				33 km	-		624 m
34	DME	O EN	108.10 MHz	18 nm	-	-	572 ft
				33 km	-		572 m
11	LOC-ILS	OEW	110.30 MHz	18 nm	116.04	-	600 ft
				33 km	111.03		600 m
16	LOC-ILS	O EZ	108.50 MHz	18 nm	164.25	-	600 ft
				33 km	159.24		600 m
29	LOC-ILS	O EX	109.55 MHz	18 nm	295.98	-	600 ft
				33 km	290.97		600 m
34	LOC-ILS	O EN	108.10 MHz	18 nm	344.21	-	600 ft
				33 km	339.20		600 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
11	GS	OEW	110.30 MHz	10 nm	116.02	3.10	593 ft
				19 km	111.01		593 m
16	GS	OEZ	108.50 MHz	10 nm	164.47	3.00	610 ft
				19 km	159.46		610 m
29	GS	OEX	109.55 MHz	10 nm	296.02	3.00	624 ft
				19 km	291.01		624 m
34	GS	OEN	108.10 MHz	10 nm	344.47	3.00	604 ft
				19 km	339.46		604 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 030830Z 19004KT CAVOK 12/04 Q1021 NOSIG

TAF

TAF AMD LEMD 030628Z 0306/0412 22010KT CAVOK TX24/0412Z TN08/0306Z TEMPO 0308/0310 VRB04KT TEMPO 0400/0408 VRB04KT

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	179.69		494 m	0 m
36R	197 ft	11,494 ft	359.76	ASPHALT	0 ft	0 ft
	60 m	3,503 m	359.69		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