

LEST

Santiago

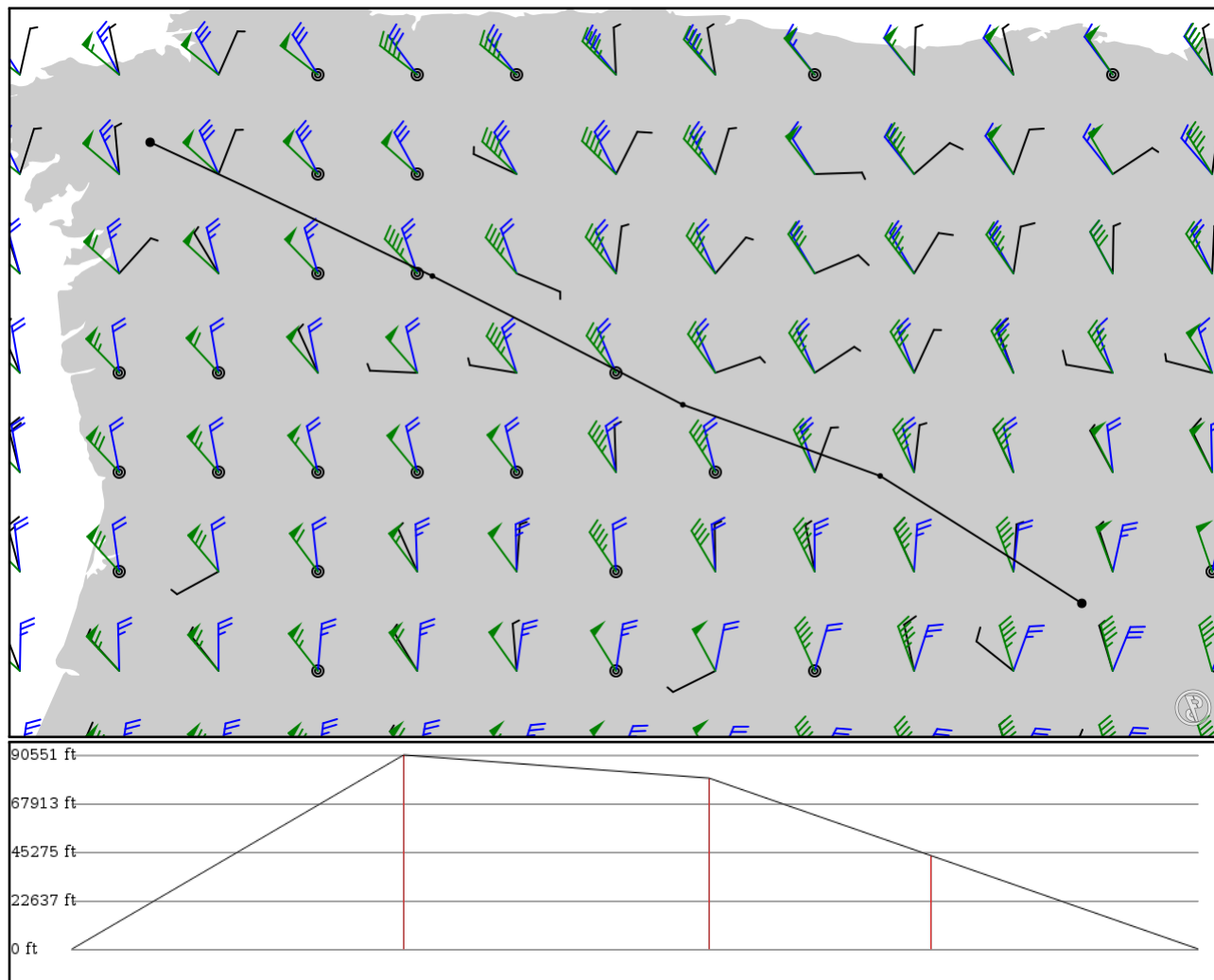
LEMD

Adolfo Suarez Madrid-Barajas

2024/05/04 2014Z

LEST BARKO **A33** UNSOL LEMD

261.95 nm / 485.14 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
LEST	-	42.89780	0 ft	-	Santiago
APT	-	-8.41564	0 m		
BARKO	-	42.20060	27,600 ft	77	-
FIX	-	-6.94461	8,412 m		
ZMR	A33	41.53020	24,300 ft	70	ZAMORA
VOR	AWY-LO	-5.63969	7,407 m		
UNSOL	A33	41.15900	13,300 ft	51	-
FIX	AWY-LO	-4.61111	4,054 m		
LEMD	-	40.49530	0 ft	62	Adolfo Suarez Madrid-Barajas
APT	-	-3.56020	0 m		

LEST

Region: SPAIN
Timezone: EUROPE/MADRID
Runways: 1

Elevation: 1,211 ft / 369 m
Location: 42.897800 -8.415640
Magnetic Var: 1.523 W

METAR

LEST 042000Z 21012G23KT 160V250 9999 BKN008 BKN018 13/11 Q1014 TEMPO 2000 RA BKN005

TAF

TAF LEST 041700Z 0418/0518 22009KT 6000 SCT005 BKN012 TX14/0517Z TN10/0509Z TEMPO 0418/0515 3000 RA BR BKN005 TEM

Frequencies

GND - 121.70 MHz - SANTIAGO GROUND
APP - 118.20 MHz - SANTIAGO APPROACH

TWR - 118.75 MHz - SANTIAGO TOWER
APP - 120.20 MHz - SANTIAGO APPROACH

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
17	148 ft	10,488 ft	166.20	ASPHALT	377 ft	210 ft
	45 m	3,197 m	167.72		115 m	64 m
35	148 ft	10,488 ft	346.21	ASPHALT	463 ft	112 ft
	45 m	3,197 m	347.73		141 m	34 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
17	DME	IGO	110.30 MHz	18 nm	-	-	1,171 ft
				33 km	-		1,171 m
35	DME	ISO	111.50 MHz	18 nm	-	-	1,196 ft
				33 km	-		1,196 m
17	LOC-ILS	IGO	110.30 MHz	18 nm	166.06	-	1,171 ft
				33 km	167.58		1,171 m
35	LOC-ILS	ISO	111.50 MHz	18 nm	346.20	-	1,197 ft
				33 km	347.72		1,197 m
17	GS	IGO	110.30 MHz	10 nm	166.09	3.00	1,171 ft
				19 km	167.61		1,171 m
35	GS	ISO	111.50 MHz	10 nm	346.09	3.00	1,196 ft
				19 km	347.61		1,196 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 042000Z 26010KT 230V290 9999 SCT080 20/07 Q1017 NOSIG

TAF

TAF AMD LEMD 041845Z 0418/0524 25010KT CAVOK TX23/0418Z TN13/0505Z TEMPO 0422/0506 VRB04KT PROB40 TEMPO 0418/0420

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