

LEMD

Adolfo Suarez Madrid-Barajas

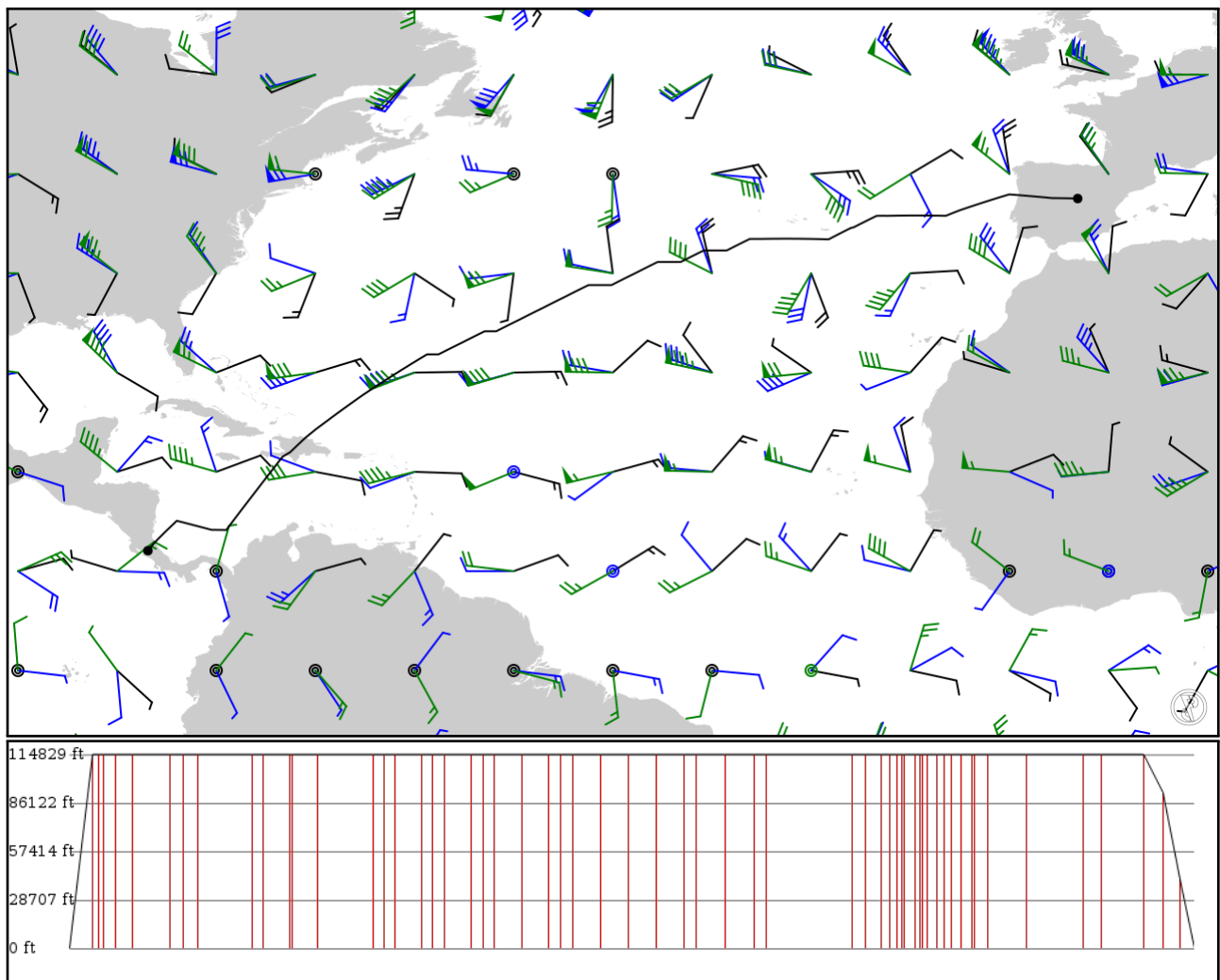
MROC

Juan Santamaria Intl

2024/05/04 0438Z

LEMD RIDAV **UM191** BARDI **B47** RIVRO **UM191** DIRMA **UZ23** GUNTI **T25** LENS 3900N0-2100W 3800N0-2300W BEKUN
H102 VSM **H106** GOMOS 3700N0-3100W 3700N0-3200W 3600N0-3400W 3600N0-3500W 3600N0-3600W
3500N0-3800W 3500N0-3900W 3500N0-4000W 3400N0-4200W 3300N0-4400W 3300N0-4500W 3300N0-4600W
3200N0-4800W 3100N0-5000W 3000N0-5200W 2900N0-5400W 2900N0-5500W 2800N0-5700W 2700N0-5900W SIFEN
M596 WATRS **B891** POKEG **M596** PTA **UB891** ETBOD MUSAB **UL474** ROKIN TIMRO **UA552** SPP SPP **UA322** COLOR MROC

4795.74 nm / 8881.71 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	-	40.49530	0 ft	-	Adolfo Suarez Madrid-Barajas
APT	-	-3.56020	0 m	-	
RIDAV	-	40.53530	35,000 ft	102	-
FIX	-	-5.80828	10,668 m	-	-
BARDI	UM191	40.58350	35,000 ft	22	-
FIX	AWY-HI	-6.30244	10,668 m	-	-
RIVRO	B47	40.62280	35,000 ft	19	-
FIX	AWY-LO	-6.72275	10,668 m	-	-
VIS	UM191	40.72340	35,000 ft	53	VISEU
VOR	AWY-HI	-7.88583	10,668 m	-	
DIRMA	UM191	40.85170	35,000 ft	73	-
FIX	AWY-HI	-9.50083	10,668 m	-	-
VEDEL	UZ23	39.85750	35,000 ft	156	-
FIX	AWY-HI	-12.67000	10,668 m	-	-
PIGOR	UZ23	39.46720	35,000 ft	58	-
FIX	AWY-HI	-13.82140	10,668 m	-	-
GUNTI	UZ23	39.00000	35,000 ft	61	-
FIX	AWY-HI	-15.00000	10,668 m	-	-
LENSI	T25	39.00000	35,000 ft	233	-
FIX	AWY-HI	-20.00000	10,668 m	-	-
3900N0-2100W	-	39.00000	35,000 ft	46	-
LATLON	-	-21.00000	10,668 m	-	-
3800N0-2300W	-	38.00000	35,000 ft	111	-
LATLON	-	-23.00000	10,668 m	-	-
BEKUN	-	37.94830	35,000 ft	11	-
FIX	-	-23.23470	10,668 m	-	-
VSM	H102	36.96290	35,000 ft	109	SANTA MARIA
VOR	AWY-HI	-25.16640	10,668 m	-	
GOMOS	H106	37.01330	35,000 ft	234	-
FIX	AWY-HI	-30.05720	10,668 m	-	-
3700N0-3100W	-	37.00000	35,000 ft	45	-
LATLON	-	-31.00000	10,668 m	-	-
3700N0-3200W	-	37.00000	35,000 ft	47	-
LATLON	-	-32.00000	10,668 m	-	-
3600N0-3400W	-	36.00000	35,000 ft	113	-
LATLON	-	-34.00000	10,668 m	-	-
3600N0-3500W	-	36.00000	35,000 ft	48	-
LATLON	-	-35.00000	10,668 m	-	-
3600N0-3600W	-	36.00000	35,000 ft	48	-
LATLON	-	-36.00000	10,668 m	-	-
3500N0-3800W	-	35.00000	35,000 ft	114	-
LATLON	-	-38.00000	10,668 m	-	-
3500N0-3900W	-	35.00000	35,000 ft	49	-
LATLON	-	-39.00000	10,668 m	-	-
3500N0-4000W	-	35.00000	35,000 ft	49	-
LATLON	-	-40.00000	10,668 m	-	-
3400N0-4200W	-	34.00000	35,000 ft	115	-
LATLON	-	-42.00000	10,668 m	-	-
3300N0-4400W	-	33.00000	35,000 ft	116	-
LATLON	-	-44.00000	10,668 m	-	-
3300N0-4500W	-	33.00000	35,000 ft	50	-
LATLON	-	-45.00000	10,668 m	-	-
3300N0-4600W	-	33.00000	35,000 ft	50	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-46.00000	10,668 m		
3200N0-4800W	-	32.00000	35,000 ft	117	-
LATLON	-	-48.00000	10,668 m		
3100N0-5000W	-	31.00000	35,000 ft	118	-
LATLON	-	-50.00000	10,668 m		
3000N0-5200W	-	30.00000	35,000 ft	119	-
LATLON	-	-52.00000	10,668 m		
2900N0-5400W	-	29.00000	35,000 ft	120	-
LATLON	-	-54.00000	10,668 m		
2900N0-5500W	-	29.00000	35,000 ft	52	-
LATLON	-	-55.00000	10,668 m		
2800N0-5700W	-	28.00000	35,000 ft	121	-
LATLON	-	-57.00000	10,668 m		
2700N0-5900W	-	27.00000	35,000 ft	122	-
LATLON	-	-59.00000	10,668 m		
SIFEN	-	27.00000	35,000 ft	53	-
FIX	-	-60.00000	10,668 m		
NUBUS	M596	23.50000	35,000 ft	366	-
FIX	AWY-HI	-65.53660	10,668 m		
PRCHA	M596	22.92450	35,000 ft	56	-
FIX	AWY-HI	-66.35290	10,668 m		
MACOR	M596	22.22990	35,000 ft	68	-
FIX	AWY-HI	-67.32140	10,668 m		
WATRS	M596	21.88760	35,000 ft	33	-
FIX	AWY-HI	-67.79220	10,668 m		
KNDLL	B891	21.54400	35,000 ft	33	-
FIX	AWY-HI	-68.26070	10,668 m		
MYSTR	B891	21.31150	35,000 ft	22	-
FIX	AWY-HI	-68.56590	10,668 m		
FDLEE	B891	21.21790	35,000 ft	9	-
FIX	AWY-HI	-68.69330	10,668 m		
NOFIT	B891	20.77070	35,000 ft	43	-
FIX	AWY-HI	-69.29760	10,668 m		
GRADI	B891	20.52120	35,000 ft	24	-
FIX	AWY-HI	-69.63200	10,668 m		
MACKI	B891	20.44350	35,000 ft	7	-
FIX	AWY-HI	-69.72840	10,668 m		
POKEG	B891	20.17520	35,000 ft	24	-
FIX	AWY-HI	-70.06010	10,668 m		
PTA	M596	19.75920	35,000 ft	38	PUERTO PLATA
VOR	AWY-HI	-70.57060	10,668 m		
POBIN	UB891	19.39500	35,000 ft	30	-
FIX	AWY-HI	-70.95720	10,668 m		
BEPAL	UB891	19.02310	35,000 ft	31	-
FIX	AWY-HI	-71.35110	10,668 m		
ETBOD	UB891	18.51670	35,000 ft	42	-
FIX	AWY-HI	-71.88330	10,668 m		
MUSAB	-	18.13750	35,000 ft	43	-
FIX	-	-72.52520	10,668 m		
PETBA	UL474	17.95090	35,000 ft	14	-
FIX	AWY-HI	-72.67300	10,668 m		
MUPOV	UL474	17.19670	35,000 ft	56	-
FIX	AWY-HI	-73.25890	10,668 m		
TOMEK	UL474	15.00000	35,000 ft	164	-
FIX	AWY-HI	-74.96110	10,668 m		
ROKIN	UL474	11.78330	35,000 ft	240	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-77.41670	10,668 m		
TIMRO	-	11.80110	35,000 ft	75	-
FIX	-	-78.69970	10,668 m		
SPP	UA552	12.58250	35,000 ft	182	SAN ANDRES VOR-DME
DME	AWY-HI	-81.70500	10,668 m		
SPP	-	12.58250	35,000 ft	0	SAN ANDRES
VOR	-	-81.70530	10,668 m		
AMUBI	UA322	11.61830	28,100 ft	82	-
FIX	AWY-HI	-82.71670	8,565 m		
COLOR	UA322	10.75280	12,500 ft	72	-
FIX	AWY-HI	-83.58320	3,810 m		
MROC	-	9.99398	0 ft	58	Juan Santamaria Intl
APT	-	-84.20870	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 040400Z 14003KT 100V170 CAVOK 09/06 Q1018 NOSIG

TAF

TAF LEMD 032300Z 0400/0506 VRB04KT CAVOK TX26/0415Z TN06/0406Z BECMG 0407/0409 23012KT TEMPO 0411/0418 23015G25K

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

MROC

Region: COSTA RICA
Timezone: AMERICA/COSTA_RICA
Runways: 1

Elevation: 3,047 ft / 929 m
Location: 9.993980 -84.208700
Magnetic Var: 2.653 W

METAR

MROC 040400Z 25004KT 5000 1500SW BR SCT005 BKN010 22/22 A3004 NOSIG

TAF

TAF MROC 032352Z 0400/0424 25007KT 9999 SCT025 TX31/0419Z TN20/0411Z TEMPO 0400/0404 BKN010 BECMG 0404/0407 09006

Frequencies

REC - 127.67 MHz - ATIS
TWR - 118.60 MHz - COCO TOWER
APP - 120.50 MHz - COCO APPROACH
GND - 121.90 MHz - COCO GROUND
CLD - 121.30 MHz - CLEARANCE DELIVERY

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
07	148 ft	10,075 ft	69.18	ASPHALT	0 ft	190 ft
	45 m	3,071 m	71.84		0 m	58 m
25	148 ft	10,075 ft	249.19	ASPHALT	1,804 ft	0 ft
	45 m	3,071 m	251.84		550 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
07	DME	IOCO	109.50 MHz	18 nm	-	-	930 ft
				33 km	-		930 m
07	LOC-ILS	IOCO	109.50 MHz	18 nm	69.19	-	3,047 ft
				33 km	71.84		3,047 m
07	GS	IOCO	109.50 MHz	10 nm	69.19	3.00	3,047 ft
				19 km	71.84		3,047 m