

# LEMD

Adolfo Suarez Madrid-Barajas

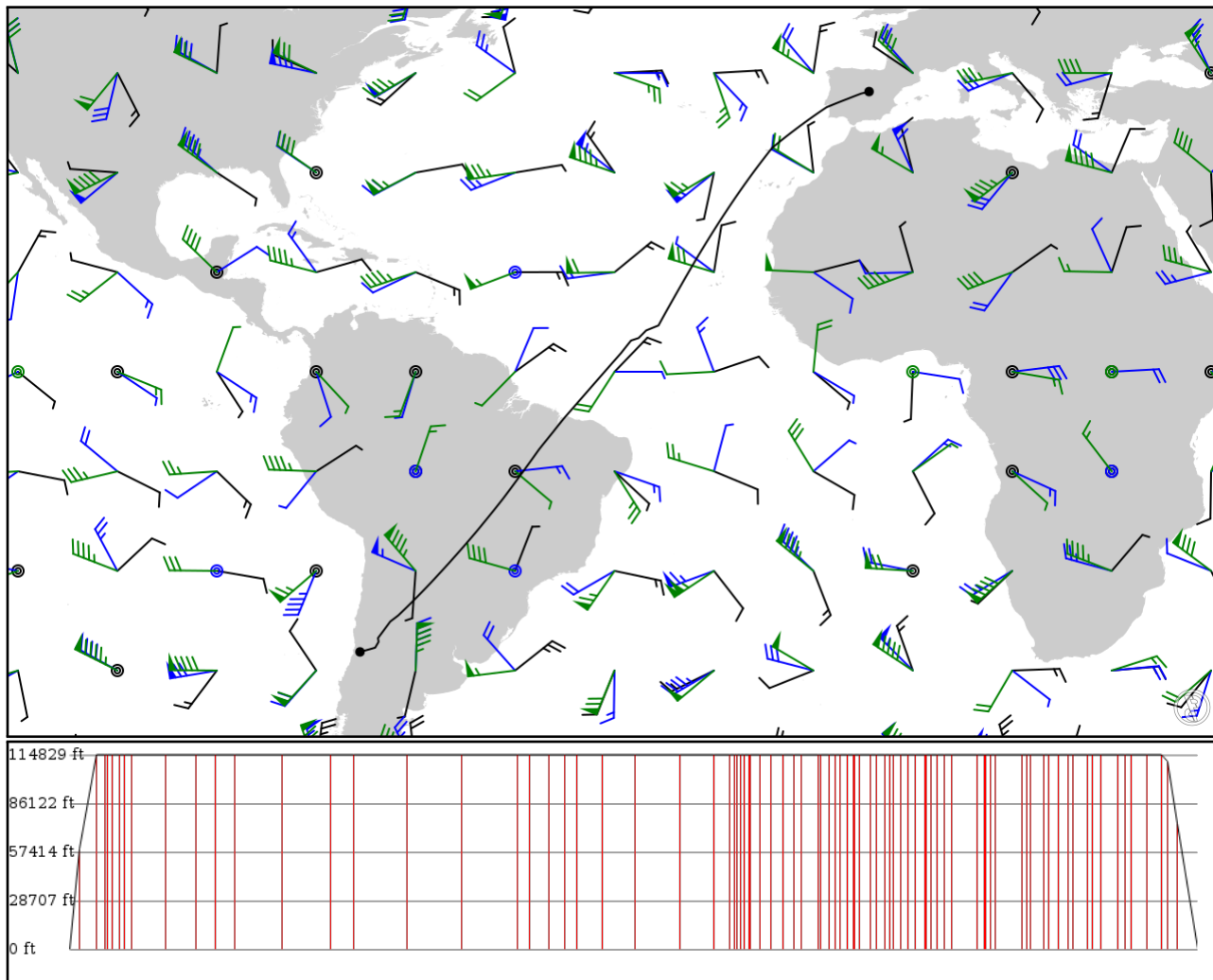
# SCEL

Arturo Merino Benitez Intl

2024/05/16 0836Z

LEMD LUPES **B60** OBIPA **G7** ELVAR **UN975** NARTA **B18** RULET **UN745** SNT **UN741** SAGRO DIGUN 900N0-3300W  
800N0-3400W MOVGA **UM799** LAR **UW3** DOZ SCEL

5880.35 nm / 10890.40 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	-	
LUPES	-	40.23320	18,000 ft	50	-
FIX	-	-4.61111	5,486 m	-	-
OBIPA	B60	39.52450	35,000 ft	94	-
FIX	AWY-LO	-6.43472	10,668 m	-	-
ELVAR	G7	39.21940	35,000 ft	40	-
FIX	AWY-LO	-7.22333	10,668 m	-	-
BIRBA	UN975	39.10560	35,000 ft	15	-
FIX	AWY-HI	-7.51194	10,668 m	-	-
TAGUX	UN975	38.94560	35,000 ft	21	-
FIX	AWY-HI	-7.91417	10,668 m	-	-
ATECA	UN975	38.65830	35,000 ft	37	-
FIX	AWY-HI	-8.62250	10,668 m	-	-
ESP	UN975	38.42410	35,000 ft	29	ESPICHEL
VOR	AWY-HI	-9.18567	10,668 m	-	
GANSU	UN975	38.00000	35,000 ft	39	-
FIX	AWY-HI	-9.81750	10,668 m	-	-
NARTA	UN975	36.05640	35,000 ft	175	-
FIX	AWY-HI	-12.55810	10,668 m	-	-
RULET	B18	34.25170	35,000 ft	158	-
FIX	AWY-LO	-14.91560	10,668 m	-	-
SNT	UN745	33.09040	35,000 ft	100	PORTO SANTO
VOR	AWY-HI	-16.35060	10,668 m	-	
NELSO	UN741	31.68290	35,000 ft	101	-
FIX	AWY-HI	-17.45700	10,668 m	-	-
ROSTA	UN741	28.25610	35,000 ft	244	-
FIX	AWY-HI	-20.00000	10,668 m	-	-
NORED	UN741	24.63840	35,000 ft	254	-
FIX	AWY-HI	-22.48000	10,668 m	-	-
EDUMO	UN741	22.91670	35,000 ft	120	-
FIX	AWY-HI	-23.60000	10,668 m	-	-
GAMBA	UN741	18.95170	35,000 ft	275	-
FIX	AWY-HI	-26.06170	10,668 m	-	-
KENOX	UN741	14.78000	35,000 ft	286	-
FIX	AWY-HI	-28.49330	10,668 m	-	-
SAGRO	UN741	10.58330	35,000 ft	287	-
FIX	AWY-HI	-30.86330	10,668 m	-	-
DIGUN	-	9.66083	35,000 ft	62	-
FIX	-	-31.37060	10,668 m	-	-
900N0-3300W	-	9.00000	35,000 ft	104	-
LATLON	-	-33.00000	10,668 m	-	-
800N0-3400W	-	8.00000	35,000 ft	84	-
LATLON	-	-34.00000	10,668 m	-	-
MOVGA	-	7.66667	35,000 ft	62	-
FIX	-	-35.00000	10,668 m	-	-
EGIMI	UM799	6.00000	35,000 ft	127	-
FIX	AWY-HI	-36.33330	10,668 m	-	-
EGBIR	UM799	3.82633	35,000 ft	173	-
FIX	AWY-HI	-38.24920	10,668 m	-	-
ESLEL	UM799	0.93017	35,000 ft	230	-
FIX	AWY-HI	-40.78220	10,668 m	-	-
POSPI	UM799	-1.35850	35,000 ft	182	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-42.77880	10,668 m		
ESLEB	UM799	-2.33117	35,000 ft	77	-
FIX	AWY-HI	-43.62850	10,668 m		
NADIR	UM799	-2.65750	35,000 ft	26	-
FIX	AWY-HI	-43.91380	10,668 m		
ILSUD	UM799	-2.86783	35,000 ft	16	-
FIX	AWY-HI	-44.08170	10,668 m		
ISIXU	UM799	-3.05950	35,000 ft	14	-
FIX	AWY-HI	-44.23480	10,668 m		
ISKAB	UM799	-3.31667	35,000 ft	19	-
FIX	AWY-HI	-44.44080	10,668 m		
EPKOL	UM799	-3.61867	35,000 ft	23	-
FIX	AWY-HI	-44.68320	10,668 m		
VUKER	UM799	-3.77900	35,000 ft	12	-
FIX	AWY-HI	-44.81220	10,668 m		
PAGIT	UM799	-4.42883	35,000 ft	49	-
FIX	AWY-HI	-45.32550	10,668 m		
KOGNI	UM799	-5.14317	35,000 ft	55	-
FIX	AWY-HI	-45.90550	10,668 m		
GEDIR	UM799	-5.93700	35,000 ft	61	-
FIX	AWY-HI	-46.54750	10,668 m		
RICAR	UM799	-6.72233	35,000 ft	60	-
FIX	AWY-HI	-47.17180	10,668 m		
INTEL	UM799	-7.23917	35,000 ft	38	-
FIX	AWY-HI	-47.54220	10,668 m		
GIRAL	UM799	-8.40900	35,000 ft	86	-
FIX	AWY-HI	-48.38420	10,668 m		
GEDOG	UM799	-8.57600	35,000 ft	12	-
FIX	AWY-HI	-48.50470	10,668 m		
ISOBI	UM799	-9.16500	35,000 ft	43	-
FIX	AWY-HI	-48.93130	10,668 m		
ILRIP	UM799	-9.64333	35,000 ft	34	-
FIX	AWY-HI	-49.26630	10,668 m		
TEREB	UM799	-9.95050	35,000 ft	23	-
FIX	AWY-HI	-49.50380	10,668 m		
OPTEN	UM799	-10.49420	35,000 ft	40	-
FIX	AWY-HI	-49.90180	10,668 m		
KEXEL	UM799	-10.90080	35,000 ft	30	-
FIX	AWY-HI	-50.20080	10,668 m		
RONAL	UM799	-10.96650	35,000 ft	4	-
FIX	AWY-HI	-50.24920	10,668 m		
BERNA	UM799	-11.35100	35,000 ft	28	-
FIX	AWY-HI	-50.53270	10,668 m		
IVRED	UM799	-12.08930	35,000 ft	54	-
FIX	AWY-HI	-51.08000	10,668 m		
TERES	UM799	-12.47570	35,000 ft	28	-
FIX	AWY-HI	-51.36820	10,668 m		
EGOLA	UM799	-13.10430	35,000 ft	46	-
FIX	AWY-HI	-51.83920	10,668 m		
KOGTU	UM799	-13.47120	35,000 ft	27	-
FIX	AWY-HI	-52.12920	10,668 m		
DIMUB	UM799	-13.68120	35,000 ft	15	-
FIX	AWY-HI	-52.29550	10,668 m		
OBMET	UM799	-14.22830	35,000 ft	41	-
FIX	AWY-HI	-52.73120	10,668 m		
SAMAR	UM799	-14.71300	35,000 ft	36	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-53.11950	10,668 m		
MANSI	UM799	-15.15750	35,000 ft	33	-
FIX	AWY-HI	-53.47750	10,668 m		
ISVOM	UM799	-15.82350	35,000 ft	50	-
FIX	AWY-HI	-54.01770	10,668 m		
LISAN	UM799	-15.96120	35,000 ft	10	-
FIX	AWY-HI	-54.13000	10,668 m		
ISUKA	UM799	-16.22630	35,000 ft	20	-
FIX	AWY-HI	-54.34630	10,668 m		
ILNIM	UM799	-16.71980	35,000 ft	37	-
FIX	AWY-HI	-54.75200	10,668 m		
ESTER	UM799	-17.17830	35,000 ft	35	-
FIX	AWY-HI	-55.13130	10,668 m		
TOSAR	UM799	-17.65070	35,000 ft	36	-
FIX	AWY-HI	-55.52450	10,668 m		
CANOP	UM799	-19.35220	35,000 ft	131	-
FIX	AWY-HI	-56.98580	10,668 m		
UMSIL	UM799	-19.85150	35,000 ft	38	-
FIX	AWY-HI	-57.42230	10,668 m		
DARIO	UM799	-19.94600	35,000 ft	7	-
FIX	AWY-HI	-57.50550	10,668 m		
ESDER	UM799	-20.29480	35,000 ft	27	-
FIX	AWY-HI	-57.81320	10,668 m		
REMEK	UM799	-20.63310	35,000 ft	26	-
FIX	AWY-HI	-58.11310	10,668 m		
NEKAN	UM799	-22.37250	35,000 ft	136	-
FIX	AWY-HI	-59.68140	10,668 m		
ILPUR	UM799	-22.70060	35,000 ft	25	-
FIX	AWY-HI	-59.98060	10,668 m		
EGEXO	UM799	-22.96750	35,000 ft	21	-
FIX	AWY-HI	-60.23030	10,668 m		
AKNEL	UM799	-23.79890	35,000 ft	65	-
FIX	AWY-HI	-60.99560	10,668 m		
GETRA	UM799	-24.13440	35,000 ft	26	-
FIX	AWY-HI	-61.31110	10,668 m		
VINOS	UM799	-24.77580	35,000 ft	51	-
FIX	AWY-HI	-61.92310	10,668 m		
LIXOM	UM799	-25.42470	35,000 ft	51	-
FIX	AWY-HI	-62.55000	10,668 m		
UBRIX	UM799	-25.74940	35,000 ft	26	-
FIX	AWY-HI	-62.86750	10,668 m		
GAVEX	UM799	-26.69970	35,000 ft	76	-
FIX	AWY-HI	-63.81060	10,668 m		
MUDUL	UM799	-26.96690	35,000 ft	21	-
FIX	AWY-HI	-64.07920	10,668 m		
PUBER	UM799	-27.53080	35,000 ft	45	-
FIX	AWY-HI	-64.65310	10,668 m		
CAT	UM799	-28.58360	35,000 ft	85	CATAMARCA
VOR	AWY-HI	-65.74670	10,668 m		
KAKAN	UM799	-29.06140	35,000 ft	43	-
FIX	AWY-HI	-66.37060	10,668 m		
LAR	UM799	-29.38860	35,000 ft	30	LA RIOJA
VOR	AWY-HI	-66.80360	10,668 m		
GILSA	UW3	-30.51640	35,000 ft	80	-
FIX	AWY-HI	-67.63140	10,668 m		
JUA	UW3	-31.56390	35,000 ft	74	SAN JUAN

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
VOR	AWY-HI	-68.42140	10,668 m		
MEBRA	UW3	-32.05860	33,800 ft	30	-
FIX	AWY-HI	-68.33690	10,302 m		
DOZ	UW3	-32.83180	22,700 ft	51	MENDOZA
VOR	AWY-HI	-68.79080	6,919 m		
SCEL	-	-33.39100	0 ft	106	Arturo Merino Benitez Intl
APT	-	-70.79430	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 160800Z 26009KT 170V300 9999 FEW045 14/02 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



## SCEL

Region: CHILE  
Timezone: AMERICA/SANTIAGO  
Runways: 2

Elevation: 1,555 ft / 474 m  
Location: -33.391000 -70.794300  
Magnetic Var: 0.782 E

## METAR

SCEL 160800Z 05004KT 030V090 7000 NSC 01/M00 Q1019 NOSIG

## TAF

TAF SCEL 160440Z 1606/1706 VRB02KT 7000 NSC TX15/1619Z TN00/1610Z BECMG 1607/1609 5000 HZ TEMPO 1608/1612 34004KT

## Frequencies

REC - 132.70 MHz - ATIS  
TWR - 118.35 MHz - SANTIAGO TOWER  
CLD - 121.70 MHz - CLEARANCE DELIVERY  
APP - 129.70 MHz - SANTIAGO APPROACH  
TWR - 118.10 MHz - SANTIAGO TOWER  
GND - 122.20 MHz - SANTIAGO GROUND  
APP - 119.70 MHz - SANTIAGO APPROACH

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
17R	148 ft	12,479 ft	177.47	ASPHALT	0 ft	0 ft
	45 m	3,804 m	176.69		0 m	0 m
35L	148 ft	12,479 ft	357.47	ASPHALT	0 ft	0 ft
	45 m	3,804 m	356.69		0 m	0 m
17L	180 ft	12,315 ft	177.42	ASPHALT	0 ft	0 ft
	55 m	3,754 m	176.64		0 m	0 m
35R	180 ft	12,315 ft	357.42	ASPHALT	1,785 ft	0 ft
	55 m	3,754 m	356.64		544 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
17L	DME	IUEL	110.30 MHz	18 nm	-	-	1,557 ft
				33 km	-		1,557 m
17R	DME	IMER	111.10 MHz	18 nm	-	-	1,555 ft
				33 km	-		1,555 m
17L	LOC-ILS	IUEL	110.30 MHz	18 nm	177.42	-	1,555 ft
				33 km	176.64		1,555 m
17R	LOC-ILS	IMER	111.10 MHz	18 nm	177.47	-	1,555 ft
				33 km	176.69		1,555 m
17L	GS	IUEL	110.30 MHz	10 nm	177.42	3.00	1,555 ft
				19 km	176.64		1,555 m
17R	GS	IMER	111.10 MHz	10 nm	177.47	3.00	1,555 ft
				19 km	176.69		1,555 m