

LEMD

Adolfo Suárez Madrid-Barajas

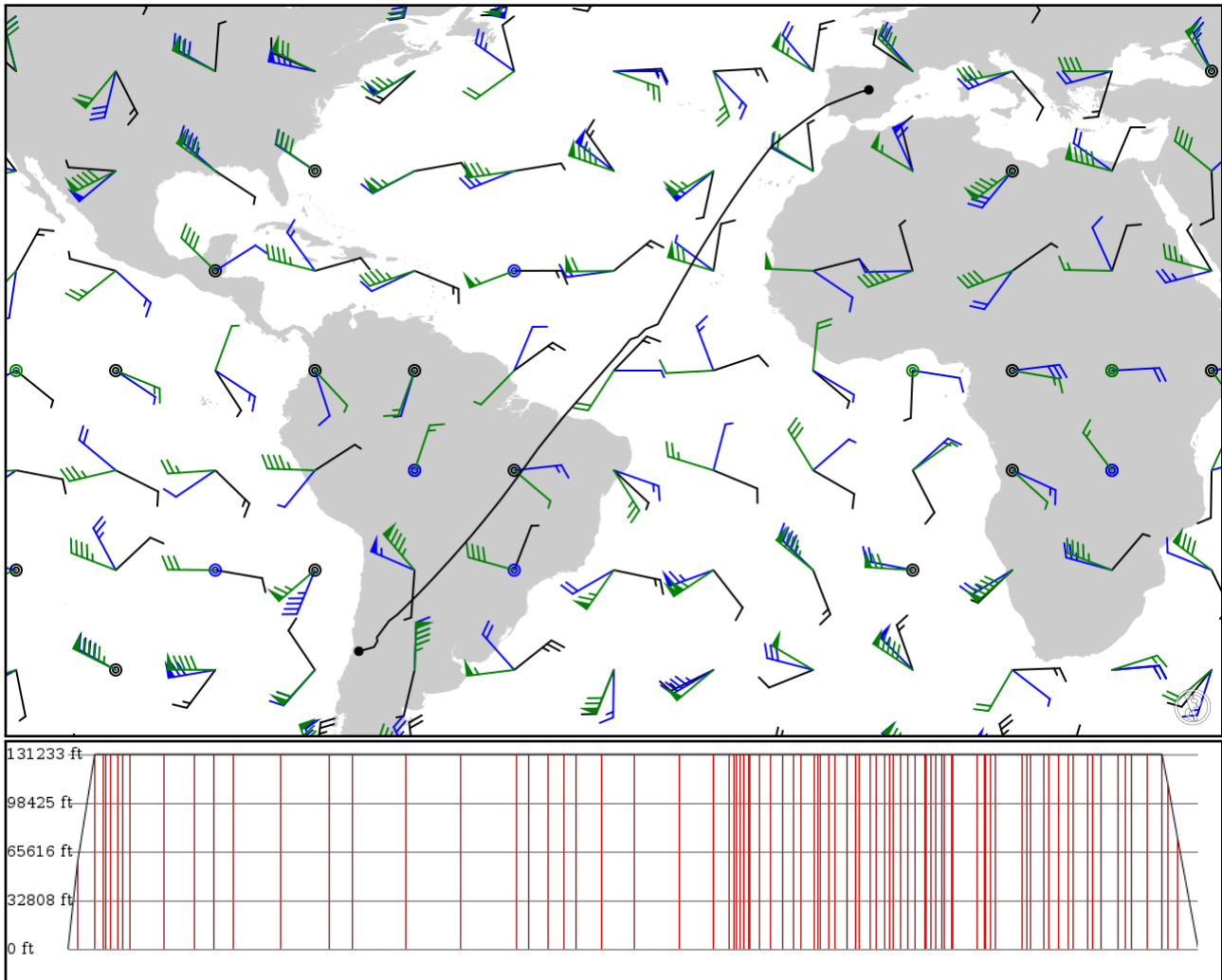
SCEL

Arturo Merino Benitez Intl

2024/05/01 0053Z

LEMD LUPES **B60** CCS **G7** ELVAR **UN975** NARTA **B18** RULET **UN745** SNT **UN741** SAGRO DIGUN 900N03300W
800N03400W MOVGA **UM799** LAR **UW3** DOZ SCEL

5880.29 nm / 10890.30 km



Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 40000ft
- 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 Suárez Madrid-Barajas
APT	-	-3.56020	0 m		
LUPES	-	40.23320	18,000 ft	50	-
FIX	-	-4.61111	5,486 m		
CCS	B60	39.52450	40,000 ft	94	CACERES
VOR	AWY-LO	-6.43472	12,192 m		
ELVAR	G7	39.21940	40,000 ft	40	-
FIX	AWY-LO	-7.22333	12,192 m		
BIRBA	UN975	39.10560	40,000 ft	15	-
FIX	AWY-HI	-7.51194	12,192 m		
TAGUX	UN975	38.94560	40,000 ft	21	-
FIX	AWY-HI	-7.91417	12,192 m		
ATECA	UN975	38.65830	40,000 ft	37	-
FIX	AWY-HI	-8.62250	12,192 m		
ESP	UN975	38.42410	40,000 ft	29	ESPICHEL
VOR	AWY-HI	-9.18567	12,192 m		
GANSU	UN975	38.00000	40,000 ft	39	-
FIX	AWY-HI	-9.81750	12,192 m		
NARTA	UN975	36.05640	40,000 ft	175	-
FIX	AWY-HI	-12.55810	12,192 m		
RULET	B18	34.25170	40,000 ft	158	-
FIX	AWY-LO	-14.91560	12,192 m		
SNT	UN745	33.09040	40,000 ft	100	PORTO SANTO
VOR	AWY-HI	-16.35060	12,192 m		
NELSO	UN741	31.68290	40,000 ft	101	-
FIX	AWY-HI	-17.45700	12,192 m		
ROSTA	UN741	28.25610	40,000 ft	244	-
FIX	AWY-HI	-20.00000	12,192 m		
NORED	UN741	24.63840	40,000 ft	254	-
FIX	AWY-HI	-22.48000	12,192 m		
EDUMO	UN741	22.91670	40,000 ft	120	-
FIX	AWY-HI	-23.60000	12,192 m		
GAMBA	UN741	18.95170	40,000 ft	275	-
FIX	AWY-HI	-26.06170	12,192 m		
KENOX	UN741	14.78000	40,000 ft	286	-
FIX	AWY-HI	-28.49330	12,192 m		
SAGRO	UN741	10.58330	40,000 ft	287	-
FIX	AWY-HI	-30.86330	12,192 m		
DIGUN	-	9.66083	40,000 ft	62	-
FIX	-	-31.37060	12,192 m		
900N03300W	-	9.00000	40,000 ft	104	-
LATLON	-	-33.00000	12,192 m		
800N03400W	-	8.00000	40,000 ft	84	-
LATLON	-	-34.00000	12,192 m		
MOVGA	-	7.66667	40,000 ft	62	-
FIX	-	-35.00000	12,192 m		
EGIMI	UM799	6.00000	40,000 ft	127	-
FIX	AWY-HI	-36.33330	12,192 m		
EGBIR	UM799	3.82633	40,000 ft	173	-
FIX	AWY-HI	-38.24920	12,192 m		
ESLEL	UM799	0.93017	40,000 ft	230	-
FIX	AWY-HI	-40.78220	12,192 m		
POSPI	UM799	-1.35850	40,000 ft	182	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-42.77880	12,192 m		
ESLEB	UM799	-2.33117	40,000 ft	77	-
FIX	AWY-HI	-43.62850	12,192 m		
NADIR	UM799	-2.65750	40,000 ft	26	-
FIX	AWY-HI	-43.91380	12,192 m		
ILSUD	UM799	-2.86783	40,000 ft	16	-
FIX	AWY-HI	-44.08170	12,192 m		
ISIXU	UM799	-3.05950	40,000 ft	14	-
FIX	AWY-HI	-44.23480	12,192 m		
ISKAB	UM799	-3.31667	40,000 ft	19	-
FIX	AWY-HI	-44.44080	12,192 m		
EPKOL	UM799	-3.61867	40,000 ft	23	-
FIX	AWY-HI	-44.68320	12,192 m		
VUKER	UM799	-3.77900	40,000 ft	12	-
FIX	AWY-HI	-44.81220	12,192 m		
PAGIT	UM799	-4.42883	40,000 ft	49	-
FIX	AWY-HI	-45.32550	12,192 m		
KOGNI	UM799	-5.14317	40,000 ft	55	-
FIX	AWY-HI	-45.90550	12,192 m		
GEDIR	UM799	-5.93700	40,000 ft	61	-
FIX	AWY-HI	-46.54750	12,192 m		
RICAR	UM799	-6.72233	40,000 ft	60	-
FIX	AWY-HI	-47.17180	12,192 m		
INTEL	UM799	-7.23917	40,000 ft	38	-
FIX	AWY-HI	-47.54220	12,192 m		
LUVGI	UM799	-8.14633	40,000 ft	66	-
FIX	AWY-HI	-48.19450	12,192 m		
GIRAL	UM799	-8.40900	40,000 ft	19	-
FIX	AWY-HI	-48.38420	12,192 m		
GEDOG	UM799	-8.57600	40,000 ft	12	-
FIX	AWY-HI	-48.50470	12,192 m		
ISOBI	UM799	-9.16500	40,000 ft	43	-
FIX	AWY-HI	-48.93130	12,192 m		
ILRIP	UM799	-9.64333	40,000 ft	34	-
FIX	AWY-HI	-49.26630	12,192 m		
OPTEN	UM799	-10.49420	40,000 ft	63	-
FIX	AWY-HI	-49.90180	12,192 m		
SUDNA	UM799	-11.10650	40,000 ft	45	-
FIX	AWY-HI	-50.35230	12,192 m		
BERNA	UM799	-11.35100	40,000 ft	18	-
FIX	AWY-HI	-50.53270	12,192 m		
IVRED	UM799	-12.08930	40,000 ft	54	-
FIX	AWY-HI	-51.08000	12,192 m		
TERES	UM799	-12.47570	40,000 ft	28	-
FIX	AWY-HI	-51.36820	12,192 m		
EGOLA	UM799	-13.10430	40,000 ft	46	-
FIX	AWY-HI	-51.83920	12,192 m		
KOGTU	UM799	-13.47120	40,000 ft	27	-
FIX	AWY-HI	-52.12920	12,192 m		
DIMUB	UM799	-13.68120	40,000 ft	15	-
FIX	AWY-HI	-52.29550	12,192 m		
OBMET	UM799	-14.22830	40,000 ft	41	-
FIX	AWY-HI	-52.73120	12,192 m		
SAMAR	UM799	-14.71300	40,000 ft	36	-
FIX	AWY-HI	-53.11950	12,192 m		
MANSI	UM799	-15.15750	40,000 ft	33	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-53.47750	12,192 m		
ISVOM	UM799	-15.82350	40,000 ft	50	-
FIX	AWY-HI	-54.01770	12,192 m		
LISAN	UM799	-15.96120	40,000 ft	10	-
FIX	AWY-HI	-54.13000	12,192 m		
ISUKA	UM799	-16.22630	40,000 ft	20	-
FIX	AWY-HI	-54.34630	12,192 m		
SINIP	UM799	-16.58380	40,000 ft	27	-
FIX	AWY-HI	-54.64000	12,192 m		
SOSBU	UM799	-17.01170	40,000 ft	32	-
FIX	AWY-HI	-54.99320	12,192 m		
ESTER	UM799	-17.17830	40,000 ft	12	-
FIX	AWY-HI	-55.13130	12,192 m		
TOSAR	UM799	-17.65070	40,000 ft	36	-
FIX	AWY-HI	-55.52450	12,192 m		
DIKAX	UM799	-17.72480	40,000 ft	5	-
FIX	AWY-HI	-55.58750	12,192 m		
CANOP	UM799	-19.35220	40,000 ft	126	-
FIX	AWY-HI	-56.98580	12,192 m		
UMSIL	UM799	-19.85150	40,000 ft	38	-
FIX	AWY-HI	-57.42230	12,192 m		
DAKBU	UM799	-19.92780	40,000 ft	5	-
FIX	AWY-HI	-57.48950	12,192 m		
ESDER	UM799	-20.29480	40,000 ft	28	-
FIX	AWY-HI	-57.81320	12,192 m		
REMEK	UM799	-20.63310	40,000 ft	26	-
FIX	AWY-HI	-58.11310	12,192 m		
NEKAN	UM799	-22.37250	40,000 ft	136	-
FIX	AWY-HI	-59.68140	12,192 m		
ILPUR	UM799	-22.70060	40,000 ft	25	-
FIX	AWY-HI	-59.98060	12,192 m		
EGEXO	UM799	-22.96750	40,000 ft	21	-
FIX	AWY-HI	-60.23030	12,192 m		
AKNEL	UM799	-23.79890	40,000 ft	65	-
FIX	AWY-HI	-60.99560	12,192 m		
GETRA	UM799	-24.13440	40,000 ft	26	-
FIX	AWY-HI	-61.31110	12,192 m		
VINOS	UM799	-24.77580	40,000 ft	51	-
FIX	AWY-HI	-61.92310	12,192 m		
LIXOM	UM799	-25.42470	40,000 ft	51	-
FIX	AWY-HI	-62.55000	12,192 m		
UBRIX	UM799	-25.74940	40,000 ft	26	-
FIX	AWY-HI	-62.86750	12,192 m		
GAVEX	UM799	-26.69970	40,000 ft	76	-
FIX	AWY-HI	-63.81060	12,192 m		
MUDUL	UM799	-26.96690	40,000 ft	21	-
FIX	AWY-HI	-64.07920	12,192 m		
PUBER	UM799	-27.53080	40,000 ft	45	-
FIX	AWY-HI	-64.65310	12,192 m		
CAT	UM799	-28.58360	40,000 ft	85	CATAMARCA
VOR	AWY-HI	-65.74670	12,192 m		
KAKAN	UM799	-29.06140	40,000 ft	43	-
FIX	AWY-HI	-66.37060	12,192 m		
LAR	UM799	-29.38860	40,000 ft	30	LA RIOJA
VOR	AWY-HI	-66.80360	12,192 m		
GILSA	UW3	-30.51640	40,000 ft	80	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-67.63140	12,192 m		
JUA	UW3	-31.56390	40,000 ft	74	SAN JUAN
VOR	AWY-HI	-68.42140	12,192 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: 0.075 E

METAR

LEMD 010030Z 27010KT 250V310 9999 SCT035 11/05 Q1011 TEMPO 4000 SHRA BKN014 FEW020TCU

TAF

TAF LEMD 302300Z 0100/0206 24012KT 9999 FEW030 TX16/0115Z TN03/0205Z PROB40 TEMPO 0100/0105 4000 SHRA BKN014 FEW0

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

SCEL

Region: CHILE
Timezone: AMERICA/SANTIAGO
Runways: 2

Elevation: 1,555 ft / 474 m
Location: -33.391000 -70.794300
Magnetic Var: 0.789 E

METAR

SCEL 010000Z 16008KT 9999 FEW040 SCT200 14/09 Q1018 NOSIG

TAF

TAF SCEL 302200Z 0100/0124 21010KT 9999 FEW050 SCT160 TX17/0118Z TN09/0109Z BECMG 0102/0104 15004KT TEMPO 0108/0110 15004KT

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	176.68		0 m	0 m
35L	148 ft	12,479 ft	357.47	ASPHALT	0 ft	0 ft
	45 m	3,804 m	356.68		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	356.63		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	176.63		1,555 m
17R	LOC-ILS	IMER	111.10 MHz	18 nm	177.47	-	1,555 ft
				33 km	176.68		1,555 m
17L	GS	IUEL	110.30 MHz	10 nm	177.42	3.00	1,555 ft
				19 km	176.63		1,555 m
17R	GS	IMER	111.10 MHz	10 nm	177.47	3.00	1,555 ft
				19 km	176.68		1,555 m