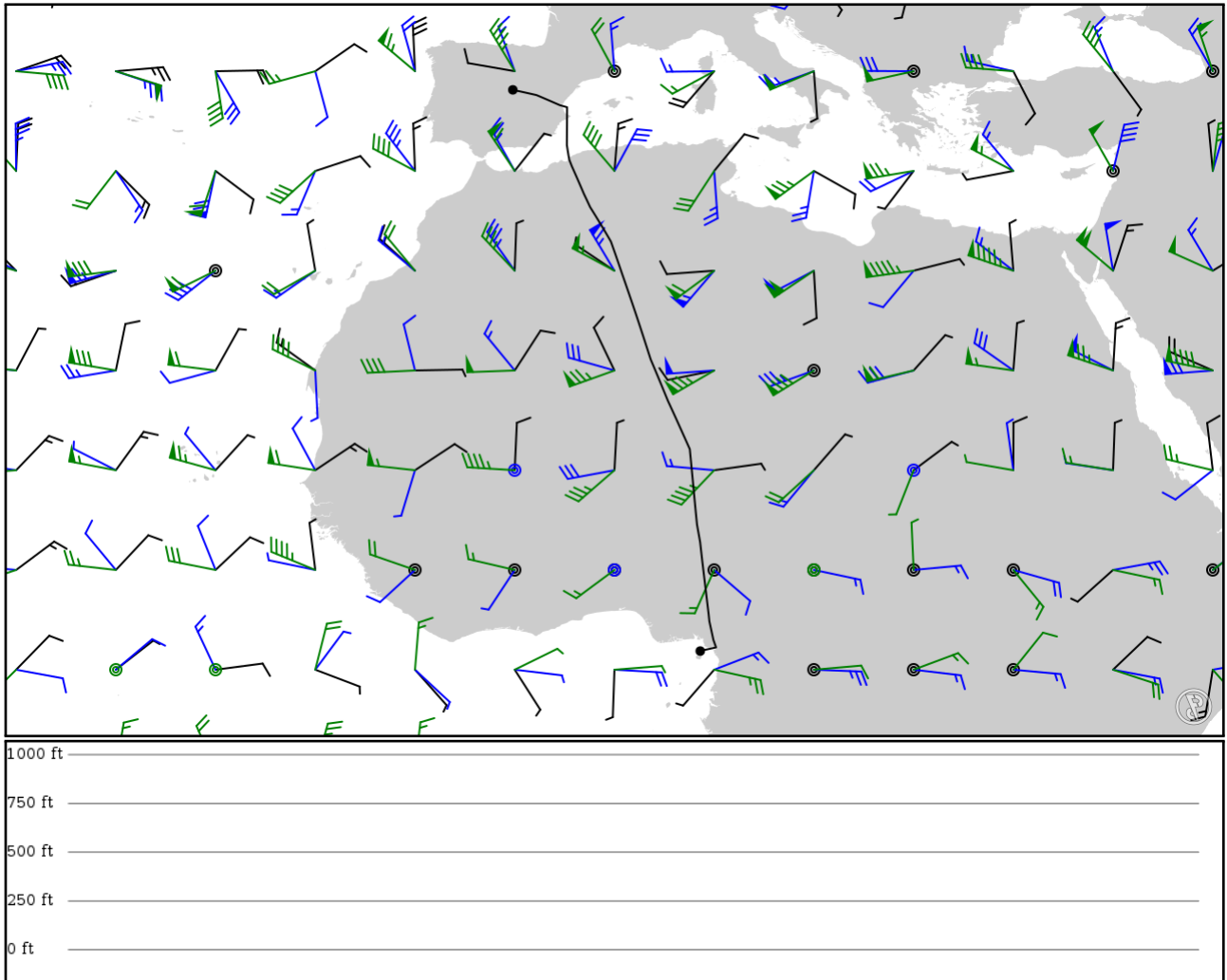


2024/05/13 0917Z

FGSL MBO **B737** DLA **UA604** MOS **UA34** HAMRA RAFOL MITOS COMPI **UM134** VLC **UN733** PRADO LEMD

2451.78 nm / 4540.70 km



Notes

Requested: FGSL MBO B737 DLA UA604 MOS UA34 HAMRA RAFOL MITOS COMPI UM134 VLC UN733 PRADO LEMD

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FGSL	-	3.75527	0 ft	-	MALABO
APT	-	8.70872	0 m		
MBO	-	3.76822	0 ft	1	MALABO VOR-DME
VOR	-	8.72025	0 m		
DLA	B737	3.99392	0 ft	62	DOUALA VOR-DME
VOR	AWY-LO	9.74347	0 m		
TJJ	UA604	4.49074	0 ft	31	MBANGA NDB
NDB	AWY-HI	9.56771	0 m		
MF	UA604	5.70569	0 ft	74	MAMFE VOR
VOR	AWY-HI	9.30395	0 m		
OBUDU	UA604	6.16772	0 ft	27	-
FIX	AWY-HI	9.25694	0 m		
JOS	UA604	9.64219	0 ft	210	JOS VOR-DME
VOR	AWY-HI	8.84300	0 m		
GUSOL	UA604	10.88833	0 ft	75	-
FIX	AWY-HI	8.70167	0 m		
KAN	UA604	12.03585	0 ft	69	KANO VOR-DME
VOR	AWY-HI	8.49606	0 m		
MIMBA	UA604	13.08323	0 ft	63	-
FIX	AWY-HI	8.39261	0 m		
GANLA	UA604	13.75139	0 ft	40	-
FIX	AWY-HI	8.32944	0 m		
AS	UA604	16.97497	0 ft	194	AGADES VOR
VOR	AWY-HI	8.02322	0 m		
EREBO	UA604	20.11667	0 ft	205	-
FIX	AWY-HI	6.60000	0 m		
TMS	UA604	22.84278	0 ft	175	TAMANRASSET VOR-DME
VOR	AWY-HI	5.46472	0 m		
SIHAR	UA604	28.50000	0 ft	354	-
FIX	AWY-HI	3.57472	0 m		
MNA	UA604	30.55861	0 ft	129	EL GOLEA VOR-DME
VOR	AWY-HI	2.86167	0 m		
ABL0D	UA604	31.25167	0 ft	46	-
FIX	AWY-HI	2.45583	0 m		
ANIEB	UA604	32.81667	0 ft	105	-
FIX	AWY-HI	1.50000	0 m		
BAY	UA604	33.70981	0 ft	57	EL BAYADH VOR-DME
VOR	AWY-HI	1.07919	0 m		
FAROS	UA604	35.50000	0 ft	114	-
FIX	AWY-HI	0.29917	0 m		
MOS	UA604	35.90917	0 ft	25	MOSTAGANEM NDB
NDB	AWY-HI	0.13722	0 m		
BAHRI	UA34	36.30000	0 ft	23	-
FIX	AWY-HI	0.06667	0 m		
HAMRA	UA34	36.87111	0 ft	34	-
FIX	AWY-HI	-0.02361	0 m		
RAFOL	-	37.94942	0 ft	64	-
FIX	-	-0.01690	0 m		
MITOS	-	38.44945	0 ft	30	-
FIX	-	-0.01372	0 m		
COMPI	-	39.35082	0 ft	54	-
FIX	-	-0.00788	0 m		
VLC	UM134	39.48565	0 ft	23	VALENCIA VOR-DME

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
VOR	AWY-HI	-0.48304	0 m		
CLS	UN733	39.70717	0 ft	26	CALLES VOR-DME
VOR	AWY-HI	-0.98632	0 m		
WALLY	UN733	39.75430	0 ft	5	-
FIX	AWY-HI	-1.09432	0 m		
CATON	UN733	39.80533	0 ft	6	-
FIX	AWY-HI	-1.21166	0 m		
PRADO	UN733	40.14749	0 ft	42	-
FIX	AWY-HI	-2.01034	0 m		
LEMD	-	40.49045	0 ft	73	Barajas
APT	-	-3.56061	0 m		

FGSL

Region: EQUATORIAL GUINEA
Timezone: AFRICA/MALABO
Runways: 1

Elevation: 76 ft / 23 m
Location: 3.755320 8.708710
Magnetic Var: 0.666 W

METAR

FGSL 130830Z 25005KT 230V300 8000 TS SCT010 FEW016CB BKN030 27/26 Q1012 NOSIG

TAF

TAF FGSL 130500Z 1306/1412 21006KT 9999 SCT010 FEW020CB PROB30 TEMPO 1306/1310 4000 TSRA BKN009 FEW020CB TEMPO 13

Frequencies

TWR - 118.10 MHz -

TWR - 128.30 MHz -

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
04	151 ft	9,674 ft	41.73	ASPHALT	0 ft	194 ft
	46 m	2,949 m	42.39		0 m	59 m
22	151 ft	9,674 ft	221.73	ASPHALT	0 ft	161 ft
	46 m	2,949 m	222.39		0 m	49 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
22	LOC-ILS	MBO	109.70 MHz	18 nm	221.73	-	76 ft
				33 km	222.40		76 m
22	GS	MBO	109.70 MHz	10 nm	221.73	3.00	76 ft
				19 km	222.40		76 m

LEMD

Region: SPAIN
Timezone: EUROPE/MADRID
Runways: 4

Elevation: 1,998 ft / 609 m
Location: 40.495300 -3.560200
Magnetic Var: 0.079 E

METAR

LEMD 130900Z 22002KT CAVOK 21/10 Q1013 NOSIG

TAF

TAF LEMD 130500Z 1306/1412 VRB05KT CAVOK TX30/1315Z TN17/1405Z BECMG 1310/1312 22010KT PROB40 TEMPO 1310/1320 220

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	322.25		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