LFBL
Limoges Bellegarde

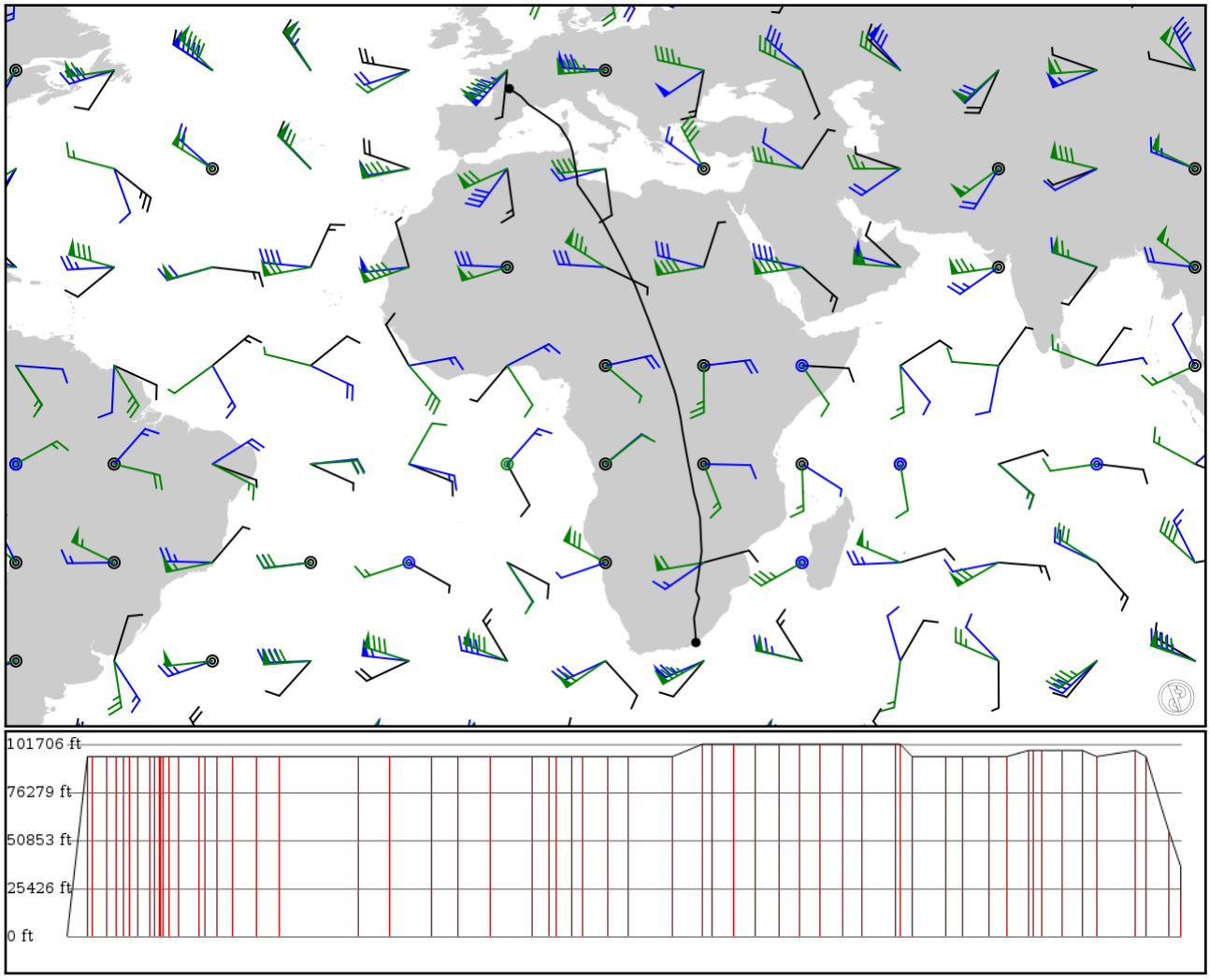
AB 129

FAEL
East London

2024/03/29 0716Z

LFBL OLRAK **UM731** OSMAR **M731** TUC **UM731** JBA **UG727** FARES **UG655** SEB **G655D** GARIN **UG655** KINTU **UG655G** MERON **UG655** DANAM **UG655F** TAVLA **UG655** MZV **UW94** UNKAM **W94F** ELV FAEL

5091.12 nm / 9428.76 km



Notes

Basic altitude profile:
- Ascent Rate: 2500ft/min
- Ascent Speed: 280kts
- Cruise Altitude: 30000ft
- Cruise Speed: 420kts
- Descent Rate: 2000ft/min
- Descent Speed: 250kts

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LFBL APT	–	45.86190 1.18137	0 ft 0 m	–	Limoges Bellegarde
OLRAK FIX	–	44.78444 2.83722	29,000 ft 8,839 m	95	–
AMLIR FIX	UM731 AWY-HI	44.44306 3.16500	29,000 ft 8,839 m	24	–
FJR VOR	UM731 AWY-HI	43.57836 3.97472	29,000 ft 8,839 m	62	MONPELLIER MEDITERRANEE VOR-DM
DIVKO FIX	UM731 AWY-HI	43.05611 4.77694	29,000 ft 8,839 m	47	–
TINOT FIX	UM731 AWY-HI	42.69778 5.31500	29,000 ft 8,839 m	31	–
BALOK FIX	UM731 AWY-HI	42.43417 5.70472	29,000 ft 8,839 m	23	–
LARAP FIX	UM731 AWY-HI	42.00139 6.33389	29,000 ft 8,839 m	38	–
NEMUR FIX	UM731 AWY-HI	41.37444 7.22111	29,000 ft 8,839 m	54	–
REKTO FIX	UM731 AWY-HI	41.09194 7.61250	29,000 ft 8,839 m	24	–
ARPAG FIX	UM731 AWY-HI	40.82583 7.97667	29,000 ft 8,839 m	22	–
RISGA FIX	UM731 AWY-HI	40.80833 8.00000	29,000 ft 8,839 m	1	–
ALG VOR	UM731 AWY-HI	40.62806 8.24389	29,000 ft 8,839 m	15	ALGHERO VORTAC
SODIO FIX	UM731 AWY-HI	40.27778 8.54194	29,000 ft 8,839 m	25	–
LUNAM FIX	UM731 AWY-HI	39.62333 8.95361	29,000 ft 8,839 m	43	–
OSMAR FIX	UM731 AWY-HI	38.25472 9.78722	29,000 ft 8,839 m	90	–
TANIT FIX	M731 AWY-HI	37.75417 9.94750	29,000 ft 8,839 m	31	–
TUC VOR	M731 AWY-HI	36.85158 10.23033	29,000 ft 8,839 m	55	TUNIS VOR-DME
BAMGI FIX	UM731 AWY-HI	35.71750 10.42583	29,000 ft 8,839 m	68	–
JBA VOR	UM731 AWY-HI	33.87722 10.77141	29,000 ft 8,839 m	111	DJERBA VOR-DME
FARES FIX	UG727 AWY-HI	32.16361 10.94778	29,000 ft 8,839 m	103	–
SEB VOR	UG655 AWY-HI	26.96964 14.49356	29,000 ft 8,839 m	362	SEBHA VOR-DME
ELGAN FIX	G655D AWY-HI	24.83333 15.63144	29,000 ft 8,839 m	142	–
GARIN FIX	G655D AWY-HI	22.00000 17.11000	29,000 ft 8,839 m	188	–
ILDOR FIX	UG655 AWY-HI	20.16028 18.02194	29,000 ft 8,839 m	121	–
FLU NDB	UG655 AWY-HI	17.92108 19.11300	29,000 ft 8,839 m	148	FAYA LARGEAU NDB
KINTU	UG655	14.94722	29,000 ft	190	–

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	20.28333 8,839 m			
KOBLA	UG655G	13.80083 29,000 ft	73	–	
FIX	AWY-HI	20.72472 8,839 m			
ARBEG	UG655G	13.23194 29,000 ft	36	–	
FIX	AWY-HI	20.96111 8,839 m			
XULAK	UG655G	12.17500 29,000 ft	67	–	
FIX	AWY-HI	21.34750 8,839 m			
BULGO	UG655G	11.33250 29,000 ft	53	–	
FIX	AWY-HI	21.66667 8,839 m			
IRAGA	UG655G	9.54361 29,000 ft	114	–	
FIX	AWY-HI	22.33861 8,839 m			
ONUDA	UG655G	8.16139 29,000 ft	88	–	
FIX	AWY-HI	22.85250 8,839 m			
MERON	UG655G	4.91667 29,000 ft	207	–	
FIX	AWY-HI	24.04500 8,839 m			
BUT	UG655	2.80711 31,000 ft	133	BUTA NDB	
NDB	AWY-HI	24.77314 9,449 m			
VIVRO	UG655	2.12883 31,000 ft	42	–	
FIX	AWY-HI	24.95814 9,449 m			
KGI	UG655	0.49258 31,000 ft	100	BANGOKA VOR-DME	
VOR	AWY-HI	25.31343 9,449 m			
OPGAT	UG655	-1.15756 31,000 ft	101	–	
FIX	AWY-HI	25.64649 9,449 m			
KIN	UG655	-2.91908 31,000 ft	106	KINDU VOR	
VOR	AWY-HI	25.89983 9,449 m			
IKTAL	UG655	-4.46895 31,000 ft	94	–	
FIX	AWY-HI	26.18151 9,449 m			
KIBRO	UG655	-5.99715 31,000 ft	93	–	
FIX	AWY-HI	26.45985 9,449 m			
AKNAR	UG655	-7.68034 31,000 ft	102	–	
FIX	AWY-HI	26.76985 9,449 m			
RUNGO	UG655	-9.10001 31,000 ft	86	–	
FIX	AWY-HI	27.05002 9,449 m			
LUB	UG655	-11.60389 31,000 ft	152	LUBUMBASHI VOR-DME	
VOR	AWY-HI	27.50542 9,449 m			
MOTAM	UG655	-12.00164 31,000 ft	24	–	
FIX	AWY-HI	27.59654 9,449 m			
ABMKT	UG655	-12.86167 29,000 ft	53	–	
FIX	AWY-HI	27.85333 8,839 m			
VLS	UG655	-15.32667 29,000 ft	151	LUSAKA VOR-DME	
VOR	AWY-HI	28.42000 8,839 m			
RETAR	UG655	-16.62959 29,000 ft	78	–	
FIX	AWY-HI	28.47156 8,839 m			
EXALO	UG655	-18.63889 29,000 ft	120	–	
FIX	AWY-HI	28.55555 8,839 m			
VBU	UG655	-20.02906 29,000 ft	83	J M NKOMO VOR-DME	
VOR	AWY-HI	28.64386 8,839 m			
DANAM	UG655	-21.65086 30,000 ft	98	–	
FIX	AWY-HI	28.43305 9,144 m			
ANTOG	UG655F	-22.01916 30,000 ft	22	–	
FIX	AWY-HI	28.36777 9,144 m			
TAVLA	UG655F	-22.62333 30,000 ft	36	–	
FIX	AWY-HI	28.29333 9,144 m			
ODKER	UG655	-24.14167 30,000 ft	91	–	
FIX	AWY-HI	28.08333 9,144 m			
HBV	UG655	-25.67574 30,000 ft	93	HARTEBEESPOORTDAM VOR	

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
VOR	AWY-HI	27.83256	9,144 m		
HGV	UG655	-26.69681	29,000 ft	65	HEIDELBERG VOR
VOR	AWY-HI	28.28316	8,839 m		
MZV	UG655	-29.50039	30,000 ft	172	MAZENOD VOR-DME
VOR	AWY-HI	27.54063	9,144 m		
UNKAM	UW94	-30.33650	29,000 ft	50	-
FIX	AWY-HI	27.62065	8,839 m		
EPNOS	W94F	-32.04318	17,000 ft	102	-
FIX	AWY-HI	27.77081	5,182 m		
ELV	W94F	-33.03700	11,300 ft	59	EAST LONDON VORTAC
VOR	AWY-LO	27.82303	3,444 m		
FAEL	-	-33.03616	0 ft	0	East London
APT	-	27.82374	0 m		

LFBL

Region: FRANCE
Timezone: EUROPE/PARIS
Runways: 2

Elevation: 1,299 ft / 396 m
Location: 45.858800 1.179640
Magnetic Var: 1.213 E

METAR

LFBL 290700Z AUTO 16008KT 9999 -RA BKN003/// OVC007/// ///////CB 09/09 Q0995 TEMPO 2000 RA OVC002

TAF

TAF AMD LFBL 290632Z 2906/3006 20010KT 9999 BKN012 OVC030 TEMPO 2906/3006 2000 RA OVC002 BECMG 2916/2918 VRB03KT F

Frequencies

REC - 128.07 MHz - ATIS
COM - 124.05 MHz - LIMOGES UNICOM

TWR - 119.55 MHz - LIMOGES TOWER
APP - 119.20 MHz - LIMOGES APPROACH

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
03	148 ft 45 m	8,012 ft 2,442 m	33.21 32.00	ASPHALT	0 ft 0 m	0 ft 0 m
21	148 ft 45 m	8,012 ft 2,442 m	213.22 212.01	ASPHALT	0 ft 0 m	207 ft 63 m
03R	262 ft 80 m	2,627 ft 801 m	33.20 31.99	GRASS	0 ft 0 m	0 ft 0 m
21L	262 ft 80 m	2,627 ft 801 m	213.20 211.99	GRASS	0 ft 0 m	0 ft 0 m

Approach Navaids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
21	DME	LG	110.10 MHz	18 nm 33 km	- -	-	1,340 ft 1,340 m
21	LOC-ILS	LG	110.10 MHz	18 nm 33 km	213.16 211.95	-	1,271 ft 1,271 m
21	GS	LG	110.10 MHz	10 nm 19 km	213.34 212.12	3.00	1,271 ft 1,271 m

FAEL

Region: SOUTH AFRICA
Timezone: AFRICA/JOHANNESBURG
Runways: 2

Elevation: 435 ft / 133 m
Location: -33.036100 27.823800
Magnetic Var: 29.563 W

METAR

FAEL 290700Z 25012KT 9999 FEW037 SCT046 22/17 Q1022

TAF

UNKNOWN

Frequencies

REC - 126.65 MHz - ATIS
TWR - 118.30 MHz - EAST LONDON TOWER

GND - 122.65 MHz - ALPHA OSCAR
APP - 120.10 MHz - EAST LONDON APPROACH

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
06	148 ft 45 m	5,209 ft 1,588 m	36.84 66.41	ASPHALT	0 ft 0 m	0 ft 0 m
24	148 ft 45 m	5,209 ft 1,588 m	216.84 246.40	ASPHALT	0 ft 0 m	0 ft 0 m
11	148 ft 45 m	6,341 ft 1,933 m	81.91 111.47	ASPHALT	0 ft 0 m	0 ft 0 m
29	148 ft 45 m	6,341 ft 1,933 m	261.89 291.46	ASPHALT	0 ft 0 m	0 ft 0 m

Approach Navaids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
11	LOC-ILS	BSI	110.90 MHz	18 nm 33 km	81.81 111.38	-	436 ft 436 m
29	LOC-ILS	ELI	109.90 MHz	18 nm 33 km	261.77 291.34	-	436 ft 436 m
11	GS	BSI	110.90 MHz	10 nm 19 km	82.52 112.08	2.70	435 ft 435 m
29	GS	ELI	109.90 MHz	10 nm 19 km	262.52 292.08	3.00	435 ft 435 m