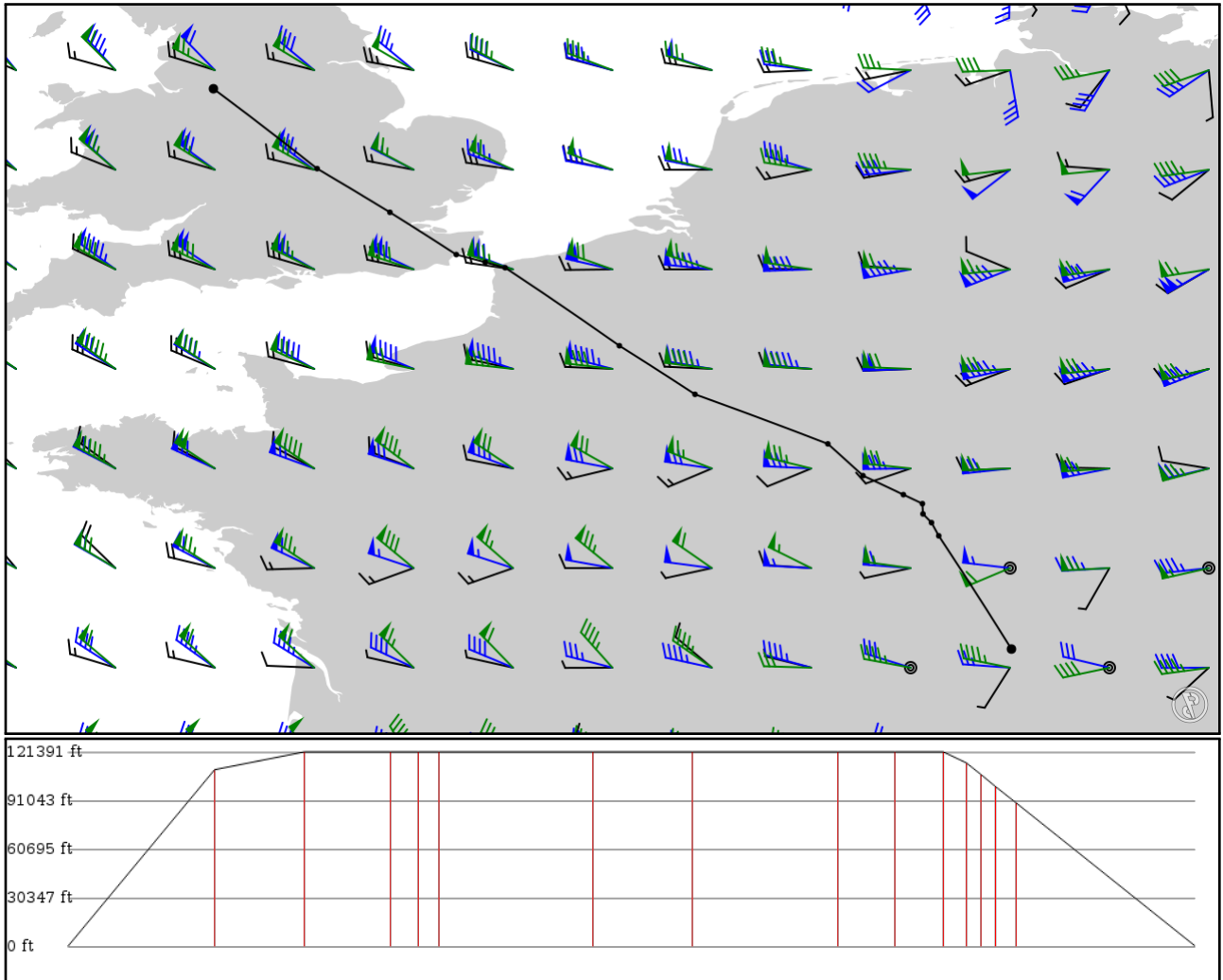


2024/04/28 0623Z

EGCC WELIN **UN57** SANDY **UL15** NEBAX **UT407** BLM NATLI BASUD **Z55** ROTOS LIMC

645.79 nm / 1196.01 km



Notes

Basic altitude profile:

- Ascent Rate: 3000ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 37000ft
- Cruise Speed: 450kts
- Descent Rate: 2000ft/min
- Descent Speed: 260kts

Options:

- Use NATs: no
- Use PACOTS: no
- Use low airways: no
- Use high airways: yes

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
EGCC APT	-	53.34740 -2.28348	0 ft 0 m	-	Manchester
WELIN FIX	-	52.24720 -0.85222	33,600 ft 10,241 m	84	-
LAM VOR	UN57 AWY-HI	51.64600 0.15170	37,000 ft 11,278 m	51	LAMBOURNE
SANDY FIX	UN57 AWY-HI	51.06420 1.06750	37,000 ft 11,278 m	48	-
MOTOX FIX	UL15 AWY-HI	50.95780 1.46667	37,000 ft 11,278 m	16	-
ING NDB	UL15 AWY-HI	50.88320 1.74181	37,000 ft 11,278 m	11	SAINT INGLEVERT
LESDO FIX	UL15 AWY-HI	49.80830 3.31806	37,000 ft 11,278 m	88	-
RANUX FIX	UL15 AWY-HI	49.13890 4.36167	37,000 ft 11,278 m	57	-
NEBAX FIX	UL15 AWY-HI	48.45690 6.19444	37,000 ft 11,278 m	83	-
MIRGU FIX	UT407 AWY-HI	48.01920 6.67883	37,000 ft 11,278 m	32	-
TUPOV FIX	UT407 AWY-HI	47.75750 7.23694	37,000 ft 11,278 m	27	-
BLM VOR	UT407 AWY-HI	47.63280 7.49950	34,900 ft 10,638 m	12	BASLE-MULHOUSE
NATLI FIX	-	47.49190 7.50722	32,700 ft 9,967 m	8	-
BASUD FIX	-	47.37170 7.62458	30,400 ft 9,266 m	8	-
RTOS FIX	Z55 AWY-HI	47.18990 7.72517	27,300 ft 8,321 m	11	-
LIMC APT	-	45.63060 8.72812	0 ft 0 m	102	Milano-Malpensa

EGCC

Region: UNITED KINGDOM
Timezone: EUROPE/LONDON
Runways: 2

Elevation: 257 ft / 78 m
Location: 53.347400 -2.283480
Magnetic Var: 0.464 W

METAR

EGCC 280550Z AUTO 33007KT 7000 -RA BKN017 OVC045 06/04 Q1002 TEMPO RA BKN014

TAF

TAF EGCC 280459Z 2806/2912 36008KT 9999 SCT025 TEMPO 2806/2812 6000 RA BKN012 BECMG 2809/2812 30011KT BECMG 2818/2912 30011KT

Frequencies

REC - 113.55 MHz - ATIS ARRIVAL	REC - 121.90 MHz - ATIS DEPARTURE
TWR - 119.40 MHz - MANCHESTER TOWER	TWR - 118.60 MHz - MANCHESTER TOWER
GND - 121.85 MHz - MANCHESTER GROUND	GND - 121.75 MHz - MANCHESTER GROUND
CLD - 121.70 MHz - CLEARANCE DELIVERY	APP - 135.00 MHz - MANCHESTER APPROACH
APP - 118.50 MHz - MANCHESTER APPROACH	APP - 121.35 MHz - MANCHESTER DIRECT

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
05L	151 ft	9,980 ft	51.00	ASPHALT	1,401 ft	0 ft
	46 m	3,042 m	51.46		427 m	0 m
23R	151 ft	9,980 ft	231.03	ASPHALT	597 ft	200 ft
	46 m	3,042 m	231.49		182 m	61 m
05R	144 ft	10,519 ft	50.98	ASPHALT	0 ft	0 ft
	44 m	3,206 m	51.44		0 m	0 m
23L	144 ft	10,519 ft	231.00	ASPHALT	1,093 ft	0 ft
	44 m	3,206 m	231.47		333 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
05L	DME	IMM	109.50 MHz	18 nm	-	-	294 ft
				33 km	-		294 m
05R	DME	IMC	111.55 MHz	18 nm	-	-	212 ft
				33 km	-		212 m
23R	DME	INN	109.50 MHz	18 nm	-	-	294 ft
				33 km	-		294 m
05L	LOC-ILS	IMM	109.50 MHz	18 nm	51.03	-	257 ft
				33 km	51.49		257 m
05R	LOC-ILS	IMC	111.55 MHz	18 nm	51.01	-	257 ft
				33 km	51.47		257 m
23R	LOC-ILS	INN	109.50 MHz	18 nm	230.98	-	257 ft
				33 km	231.44		257 m
05L	GS	IMM	109.50 MHz	10 nm	51.01	3.00	257 ft
				19 km	51.47		257 m
05R	GS	IMC	111.55 MHz	10 nm	51.97	3.00	257 ft
				19 km	52.43		257 m
23R	GS	INN	109.50 MHz	10 nm	231.01	3.00	257 ft
				19 km	231.47		257 m

LIMC

Region: ITALY
Timezone: EUROPE/ROME
Runways: 2

Elevation: 767 ft / 234 m
Location: 45.630600 8.728120
Magnetic Var: 3.118 E

METAR

LIMC 280550Z 12006KT 3000 RA BKN005 OVC010 11/10 Q1019 NOSIG

TAF

TAF LIMC 280500Z 2806/2912 11010KT 3000 RA BKN010 BECMG 2809/2811 VRB05KT 8000 NSW SCT020 BECMG 2813/2816 35012KT

Frequencies

REC - 120.02 MHz - ATIS ARRIVAL	REC - 121.62 MHz - ATIS DEPARTURE
CLD - 120.90 MHz - CLEARANCE DELIVERY	GND - 121.82 MHz - MALPENSA GROUND
GND - 121.90 MHz - MALPENSA GROUND	TWR - 119.00 MHz - MALPENSA TOWER
TWR - 128.35 MHz - MALPENSA TOWER	APP - 126.75 MHz - MILANO APPROACH
APP - 125.62 MHz - MILANO APPROACH	APP - 132.70 MHz - MILANO APPROACH
DEP - 126.30 MHz - MILANO DEPARTURE	DEP - 126.75 MHz - MILANO DEPARTURE

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
17R	197 ft	12,873 ft	169.06	ASPHALT	0 ft	387 ft
	60 m	3,924 m	165.94		0 m	118 m
35L	197 ft	12,873 ft	349.07	ASPHALT	1,319 ft	197 ft
	60 m	3,924 m	345.95		402 m	60 m
17L	197 ft	12,873 ft	169.06	ASPHALT	3,081 ft	207 ft
	60 m	3,924 m	165.95		939 m	63 m
35R	197 ft	12,873 ft	349.07	ASPHALT	0 ft	180 ft
	60 m	3,924 m	345.95		0 m	55 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
17L	DME	IMSL	110.75 MHz	25 nm	-	-	792 ft
				46 km	-		792 m
35L	DME	IMA	109.10 MHz	25 nm	-	-	768 ft
				46 km	-		768 m
35R	DME	MLP	109.90 MHz	18 nm	-	-	713 ft
				33 km	-		713 m
17L	LOC-ILS	IMSL	110.75 MHz	18 nm	169.06	-	697 ft
				33 km	165.94		697 m
35L	LOC-ILS	IMA	109.10 MHz	18 nm	349.07	-	767 ft
				33 km	345.95		767 m
35R	LOC-ILS	MLP	109.90 MHz	18 nm	349.07	-	780 ft
				33 km	345.95		780 m
17L	GS	IMSL	110.75 MHz	10 nm	170.24	3.00	792 ft
				19 km	167.12		792 m
35L	GS	IMA	109.10 MHz	10 nm	350.24	3.00	768 ft
				19 km	347.12		768 m
35R	GS	MLP	109.90 MHz	10 nm	350.24	3.00	740 ft
				19 km	347.12		740 m