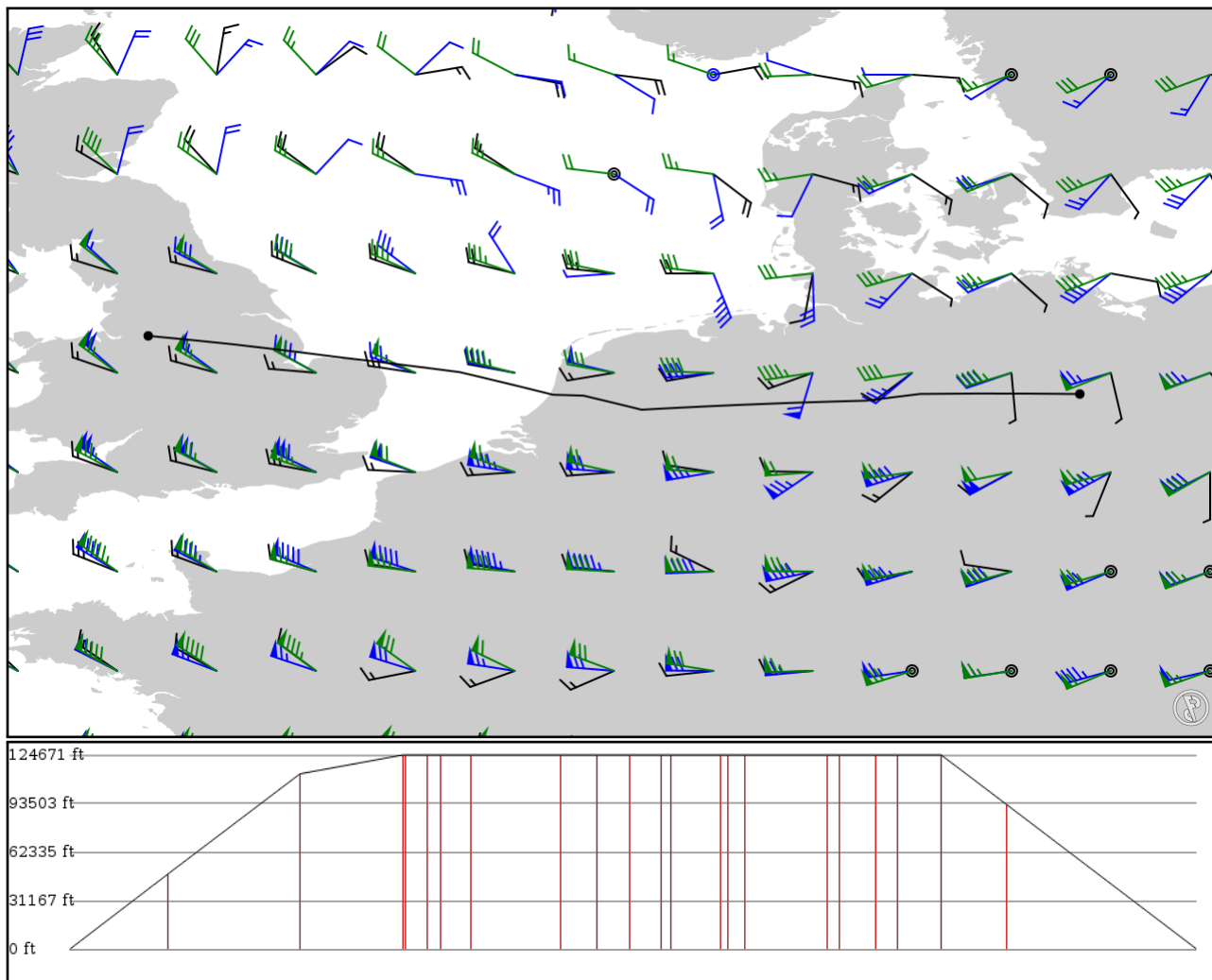


2024/05/05 0636Z

EGCC NAPEX **M16** DOLAS **L603** LAMSO **UL603** BASNO **L620** ARNEM **UP147** RKN **UL980** DLE **L980** HLZ EDDB

588.06 nm / 1089.08 km



## Notes

Basic altitude profile:

- Ascent Rate: 2000ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 38000ft
- Cruise Speed: 420kts
- Descent Rate: 2000ft/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
EGCC	-	53.34740	0 ft	-	Manchester
APT	-	-2.28348	0 m		
NAPEX	-	53.20640	14,700 ft	51	-
FIX	-	-0.86111	4,481 m		
DOLAS	M16	52.97860	34,300 ft	68	-
FIX	AWY-HI	1.00083	10,455 m		
ENITO	L603	52.80140	38,000 ft	54	-
FIX	AWY-HI	2.46750	11,582 m		
DIBAL	L603	52.79720	38,000 ft	1	-
FIX	AWY-HI	2.50000	11,582 m		
BUKUT	L603	52.75830	38,000 ft	11	-
FIX	AWY-HI	2.80056	11,582 m		
LAMSO	L603	52.73290	38,000 ft	7	-
FIX	AWY-LO	2.99436	11,582 m		
EVELI	UL603	52.64040	38,000 ft	15	-
FIX	AWY-HI	3.38700	11,582 m		
BASNO	UL603	52.35020	38,000 ft	46	-
FIX	AWY-HI	4.57504	11,582 m		
PAM	L620	52.33480	38,000 ft	18	PAMPUS
VOR	AWY-LO	5.09216	11,582 m		
NYKER	L620	52.23040	38,000 ft	17	-
FIX	AWY-LO	5.52880	11,582 m		
ELPAT	L620	52.12740	38,000 ft	16	-
FIX	AWY-LO	5.95114	11,582 m		
ARNEM	L620	52.09640	38,000 ft	4	-
FIX	AWY-LO	6.07660	11,582 m		
RKN	UP147	52.13320	38,000 ft	25	REKKEN VOR-DME
DME	AWY-HI	6.76388	11,582 m		
ETEBO	UL980	52.13830	38,000 ft	4	-
FIX	AWY-HI	6.87528	11,582 m		
AMSAN	UL980	52.15030	38,000 ft	8	-
FIX	AWY-HI	7.11139	11,582 m		
OSN	UL980	52.20010	38,000 ft	43	OSNABRUECK
VOR	AWY-HI	8.28552	11,582 m		
MOBSA	UL980	52.20640	38,000 ft	6	-
FIX	AWY-HI	8.44944	11,582 m		
BADMU	UL980	52.22440	38,000 ft	19	-
FIX	AWY-HI	8.97083	11,582 m		
ROBEG	UL980	52.23360	38,000 ft	11	-
FIX	AWY-HI	9.26962	11,582 m		
DLE	UL980	52.25030	38,000 ft	22	LEINE
VOR	AWY-HI	9.88349	11,582 m		
HLZ	L980	52.36340	28,300 ft	34	HEHLINGEN
VOR	AWY-LO	10.79520	8,626 m		
EDDB	-	52.36230	0 ft	99	Berlin Brandenburg International Willy Brandt
APT	-	13.50070	0 m		

## EGCC

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

Elevation: 257 ft / 78 m  
Location: 53.347400 -2.283480  
Magnetic Var: 0.461 W

## METAR

EGCC 050620Z AUTO VRB02KT 9999 NCD 09/08 Q1008

## TAF

TAF EGCC 050458Z 0506/0612 VRB01KT 9999 FEW045 PROB30 0506/0507 6000 PROB30 0600/0607 4000 BR BECMG 0609/0612 3100

## 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

## EDDB

Region: GERMANY - CIVIL  
Timezone: EUROPE/BERLIN  
Runways: 2

Elevation: 157 ft / 48 m  
Location: 52.362300 13.500700  
Magnetic Var: 4.653 E

## METAR

EDDB 050620Z AUTO 19009KT CAVOK 15/13 Q1008 NOSIG

## TAF

TAF TAF EDDB 050500Z 0506/0606 17005KT 9999 FEW030 BECMG 0506/0509 21010KT PROB40 TEMPO 0512/0516 24015G25KT SHRA

## Frequencies

REC - 123.77 MHz - ATIS	GND - 121.70 MHz - BERLIN GROUND E
GND - 129.50 MHz - BERLIN GROUND A	GND - 129.60 MHz - BERLIN APRON NORTH
GND - 121.85 MHz - BERLIN APRON SOUTH	TWR - 120.02 MHz - BERLIN TOWER NORTH
TWR - 118.80 MHz - BERLIN TOWER SOUTH	TWR - 118.85 MHz - BERLIN TOWER ALTERNATE
APP - 121.12 MHz - BERLIN DIRECTOR	APP - 136.10 MHz - BERLIN DIRECTOR
CLD - 121.60 MHz - BERLIN DELIVERY	APP - 119.62 MHz - BREMEN RADAR
APP - 120.62 MHz - BREMEN RADAR	APP - 126.42 MHz - BREMEN RADAR
APP - 119.50 MHz - BREMEN RADAR	APP - 134.42 MHz - BREMEN RADAR

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
07R	197 ft	13,088 ft	68.74	CONCRETE	0 ft	0 ft
	60 m	3,989 m	64.09		0 m	0 m
25L	197 ft	13,088 ft	248.78	CONCRETE	0 ft	0 ft
	60 m	3,989 m	244.13		0 m	0 m
07L	148 ft	11,780 ft	68.75	ASPHALT	981 ft	0 ft
	45 m	3,591 m	64.10		299 m	0 m
25R	148 ft	11,780 ft	248.79	ASPHALT	981 ft	0 ft
	45 m	3,591 m	244.14		299 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
07L	LOC-ILS	IBNE	110.70 MHz	18 nm	68.77	-	157 ft
				33 km	64.12		157 m
07R	LOC-ILS	IBSE	109.70 MHz	18 nm	68.77	-	157 ft
				33 km	64.12		157 m
25L	LOC-ILS	IBSW	109.50 MHz	18 nm	248.77	-	157 ft
				33 km	244.12		157 m
25R	LOC-ILS	IBNW	109.90 MHz	18 nm	248.77	-	157 ft
				33 km	244.12		157 m
07L	GS	IBNE	110.70 MHz	10 nm	68.77	3.00	157 ft
				19 km	64.12		157 m
07R	GS	IBSE	109.70 MHz	10 nm	68.77	3.00	157 ft
				19 km	64.12		157 m
25L	GS	IBSW	109.50 MHz	10 nm	248.77	3.00	157 ft
				19 km	244.12		157 m
25R	GS	IBNW	109.90 MHz	10 nm	248.77	3.00	157 ft
				19 km	244.12		157 m