

# KCLT

Charlotte Douglas Intl

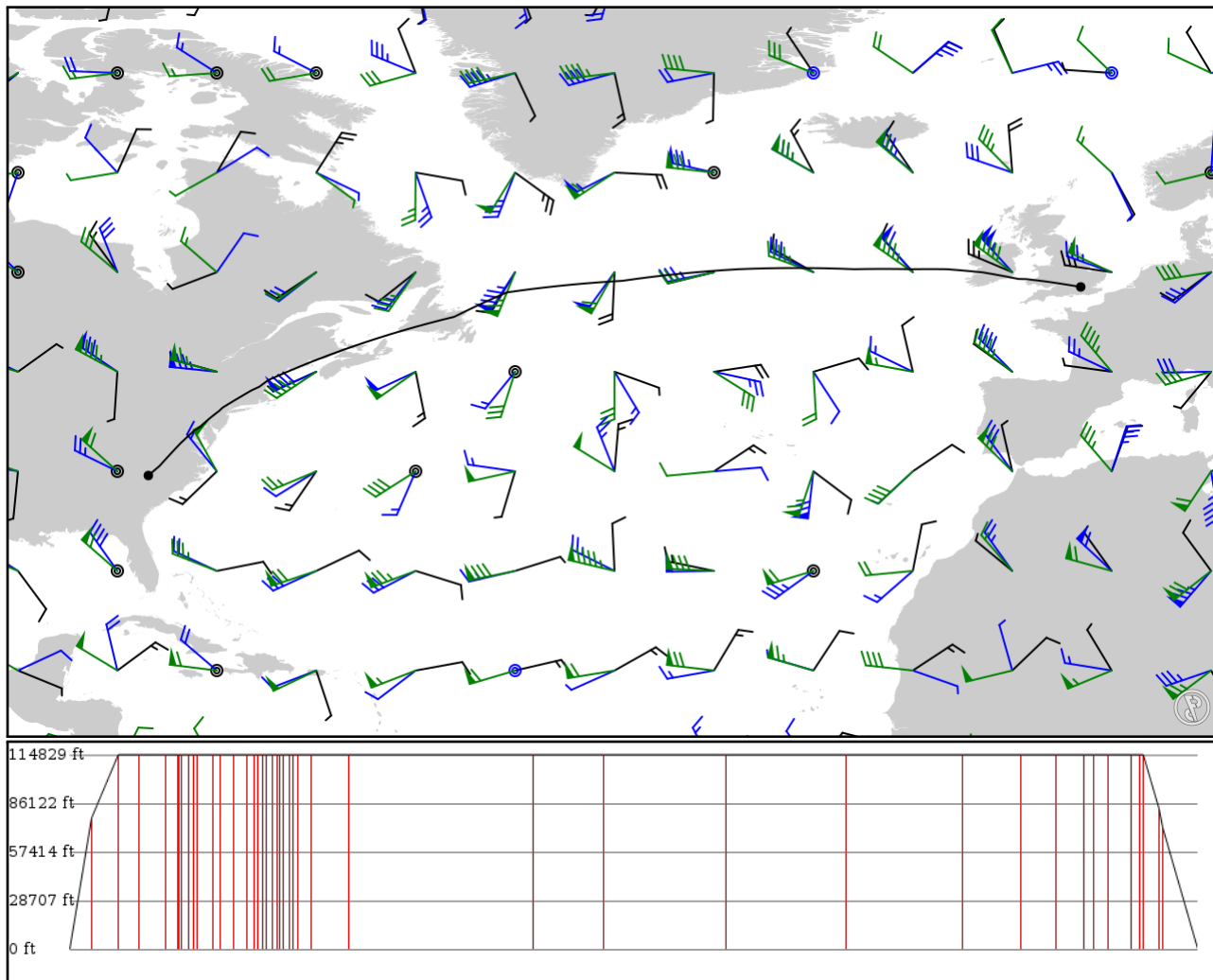
# EGLL

London Heathrow

2024/05/07 0206Z

KCLT GSO **J75** MURPH TRISH **V378** BELAY **V403** PTW **J77** BWZ **J6** SAX **J77** BAF **V106** ENE **J573** EBONY **N128B** YQX  
**5E53** 5150N +51.000\_--50.000 T +53.000\_--20.000 MALOT **UL9** ABAGU **L9** SLANY **UN24** PEMOB **UN14** TOPRO EGLL

3483.06 nm / 6450.63 km



## Notes

Using NAT tracks from 21/3/2017

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 35000ft
- 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
KCLT APT	-	35.21397 -80.94859	0 ft 0 m	-	Charlotte Douglas Intl
GSO VOR	-	36.04569 -79.97639	23,600 ft 7,193 m	68	GREENSBORO VORTAC
DRAIK FIX	J75 AWY-HI	37.13393 -78.98296	35,000 ft 10,668 m	81	-
GVE VOR	J75 AWY-HI	38.01361 -78.15303	35,000 ft 10,668 m	65	GORDONSVILLE VORTAC
BINKS FIX	J75 AWY-HI	39.05196 -77.02988	35,000 ft 10,668 m	81	-
MURPH FIX	J75 AWY-HI	39.46423 -76.38534	35,000 ft 10,668 m	38	-
TRISH FIX	-	39.50345 -76.37389	35,000 ft 10,668 m	2	-
BELAY FIX	V378 AWY-LO	39.58769 -76.30056	35,000 ft 10,668 m	6	-
GLOMO FIX	V403 AWY-LO	39.86521 -75.97923	35,000 ft 10,668 m	22	-
SPERY FIX	V403 AWY-LO	40.08069 -75.72714	35,000 ft 10,668 m	17	-
PTW VOR	V403 AWY-LO	40.22225 -75.56025	35,000 ft 10,668 m	11	POTTSTOWN VORTAC
BWZ VOR	J77 AWY-HI	40.79844 -74.82183	35,000 ft 10,668 m	48	BROADWAY VOR-DME
SAX VOR	J6 AWY-HI	41.06756 -74.53831	35,000 ft 10,668 m	20	SPARTA VORTAC
GANDE FIX	J77 AWY-HI	41.51018 -73.81445	35,000 ft 10,668 m	42	-
BIGGO FIX	J77 AWY-HI	41.95581 -73.06794	35,000 ft 10,668 m	42	-
BAF VOR	J77 AWY-HI	42.16197 -72.71619	35,000 ft 10,668 m	19	BARNES VORTAC
FAIDS FIX	V106 AWY-LO	42.28354 -72.50942	35,000 ft 10,668 m	11	-
LAPEL FIX	V106 AWY-LO	42.46137 -72.20439	35,000 ft 10,668 m	17	-
GDM VOR	V106 AWY-LO	42.54592 -72.05819	35,000 ft 10,668 m	8	GARDNER VOR-DME
JOHNZ FIX	V106 AWY-LO	42.72302 -71.68217	35,000 ft 10,668 m	19	-
MHT VOR	V106 AWY-LO	42.86853 -71.36953	35,000 ft 10,668 m	16	MANCHESTER VOR-DME
KHRIS FIX	V106 AWY-LO	42.95030 -71.25988	35,000 ft 10,668 m	6	-
RAYMY FIX	V106 AWY-LO	43.06025 -71.11171	35,000 ft 10,668 m	9	-
YUKES FIX	V106 AWY-LO	43.27997 -70.81325	35,000 ft 10,668 m	18	-
ENE VOR	V106 AWY-LO	43.42567 -70.61353	35,000 ft 10,668 m	12	KENNEBUNK VORTAC
SCARS FIX	J573 AWY-HI	43.54864 -70.34108	35,000 ft 10,668 m	13	-
SEAER	J573	43.92455	35,000 ft	43	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-69.49180	10,668 m		
EBONY	J573	44.90241	35,000 ft	116	-
FIX	AWY-HI	-67.15657	10,668 m		
YQX	N128B	48.89958	35,000 ft	569	GANDER VOR-DME
VOR	AWY-HI	-54.53500	10,668 m		
5150N	5E53	51.00000	35,000 ft	215	-
FIX	AWY-LO	-50.00000	10,668 m		
+51.000_--50.000	-	51.00000	35,000 ft	0	-
LATLON	-	-50.00000	10,668 m		
+52.000_--40.000	T	52.00000	35,000 ft	378	-
LATLON	NAT	-40.00000	10,668 m		
+53.000_--30.000	T	53.00000	35,000 ft	370	-
LATLON	NAT	-30.00000	10,668 m		
+53.000_--20.000	T	53.00000	35,000 ft	361	-
LATLON	NAT	-20.00000	10,668 m		
MALOT	-	53.00000	35,000 ft	180	-
FIX	-	-15.00000	10,668 m		
BURAK	UL9	53.00000	35,000 ft	108	-
FIX	AWY-HI	-12.00000	10,668 m		
UNBEG	UL9	52.80500	35,000 ft	83	-
FIX	AWY-HI	-9.73000	10,668 m		
SHA	UL9	52.72101	35,000 ft	31	SHANNON VOR-DME
VOR	AWY-HI	-8.88521	10,668 m		
ABAGU	UL9	52.50333	35,000 ft	47	-
FIX	AWY-HI	-7.64667	10,668 m		
SLANY	L9	52.15861	35,000 ft	69	-
FIX	AWY-LO	-5.84222	10,668 m		
PEMOB	UN24	52.14389	35,000 ft	25	-
FIX	AWY-HI	-5.16139	10,668 m		
ABAPO	UN14	52.10278	35,000 ft	13	-
FIX	AWY-HI	-4.80333	10,668 m		
MEDOG	UN14	51.95028	25,300 ft	47	-
FIX	AWY-HI	-3.54944	7,711 m		
TOPRO	UN14	51.91167	21,900 ft	11	-
FIX	AWY-HI	-3.24917	6,675 m		
EGLL	-	51.47122	0 ft	107	London Heathrow
APT	-	-0.46098	0 m		

## KCLT

Region: UNITED STATES  
Timezone: AMERICA/NEW\_YORK  
Runways: 4

Elevation: 748 ft / 228 m  
Location: 35.213800 -80.948500  
Magnetic Var: 8.054 W

## METAR

KCLT 070052Z 22004KT 10SM -RA FEW065 BKN110 BKN140 BKN250 23/19 A2994 RMK A02 LTG DSNT SE RAB07 SLP145 CB DSNT N P0

## TAF

KCLT 062329Z 0700/0806 20005KT P6SM VCSH FEW030 BKN100 FM070600 21005KT P6SM VCSH BKN025 FM071000 22004KT 6SM BR V

## Frequencies

REC - 121.15 MHz - ATIS (ARRIVAL)	REC - 132.10 MHz - ATIS (DEPARTURE)
COM - 122.95 MHz - UNICOM	CLD - 127.15 MHz - CLEARANCE DELIVERY
GND - 121.80 MHz - CHARLOTTE GROUND	GND - 121.90 MHz - CHARLOTTE GROUND
TWR - 133.35 MHz - CHARLOTTE TOWER	TWR - 126.40 MHz - CHARLOTTE TOWER
TWR - 118.10 MHz - CHARLOTTE TOWER	DEP - 134.75 MHz - CHARLOTTE DEPARTURE
DEP - 128.32 MHz - CHARLOTTE DEPARTURE	DEP - 124.00 MHz - CHARLOTTE DEPARTURE
DEP - 120.50 MHz - CHARLOTTE DEPARTURE	DEP - 120.05 MHz - CHARLOTTE DEPARTURE
APP - 134.75 MHz - CHARLOTTE APPROACH	APP - 128.32 MHz - CHARLOTTE APPROACH
APP - 126.15 MHz - CHARLOTTE APPROACH	APP - 124.00 MHz - CHARLOTTE APPROACH
APP - 120.50 MHz - CHARLOTTE APPROACH	APP - 120.05 MHz - CHARLOTTE APPROACH

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
18R	151 ft	9,008 ft	175.98	CONCRETE	0 ft	0 ft
	46 m	2,746 m	184.04		0 m	0 m
36L	151 ft	9,008 ft	355.98	CONCRETE	0 ft	0 ft
	46 m	2,746 m	4.04		0 m	0 m
18C	151 ft	10,009 ft	175.98	CONCRETE	0 ft	0 ft
	46 m	3,051 m	184.03		0 m	0 m
36C	151 ft	10,009 ft	355.98	CONCRETE	0 ft	0 ft
	46 m	3,051 m	4.03		0 m	0 m
18L	151 ft	8,686 ft	176.00	ASPHALT	0 ft	0 ft
	46 m	2,648 m	184.05		0 m	0 m
36R	151 ft	8,686 ft	356.00	ASPHALT	0 ft	0 ft
	46 m	2,648 m	4.05		0 m	0 m
05	151 ft	7,510 ft	48.35	ASPHALT	0 ft	148 ft
	46 m	2,289 m	56.40		0 m	45 m
23	151 ft	7,510 ft	228.36	ASPHALT	0 ft	148 ft
	46 m	2,289 m	236.41		0 m	45 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
18R	DME	IRGS	110.15 MHz	18 nm	-	-	749 ft
				33 km	-		749 m
23	DME	IAPU	109.50 MHz	18 nm	-	-	749 ft
				33 km	-		749 m
36L	DME	IXUU	110.15 MHz	18 nm	-	-	749 ft
				33 km	-		749 m
36R	DME	IBQC	108.90 MHz	18 nm	-	-	749 ft
				33 km	-		749 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
05	LOC-ILS	ICLT	110.95 MHz	18 nm	48.37	-	749 ft
				33 km	56.42		749 m
18C	LOC-ILS	IPEP	111.30 MHz	18 nm	175.98	-	748 ft
				33 km	184.03		748 m
18L	LOC-ILS	IVKQ	110.35 MHz	18 nm	176.00	-	748 ft
				33 km	184.05		748 m
18R	LOC-ILS	IRGS	110.15 MHz	18 nm	175.98	-	748 ft
				33 km	184.03		748 m
23	LOC-ILS	IAPU	109.50 MHz	18 nm	228.35	-	748 ft
				33 km	236.40		748 m
36C	LOC-ILS	IDQG	111.70 MHz	18 nm	355.98	-	748 ft
				33 km	4.03		748 m
36L	LOC-ILS	IXUU	110.15 MHz	18 nm	355.98	-	748 ft
				33 km	4.03		748 m
36R	LOC-ILS	IBQC	108.90 MHz	18 nm	356.00	-	748 ft
				33 km	4.05		748 m
05	GS	ICLT	110.95 MHz	10 nm	48.35	3.00	748 ft
				19 km	56.40		748 m
18C	GS	IPEP	111.30 MHz	10 nm	175.98	3.00	748 ft
				19 km	184.03		748 m
18L	GS	IVKQ	110.35 MHz	10 nm	176.00	3.00	748 ft
				19 km	184.05		748 m
18R	GS	IRGS	110.15 MHz	10 nm	175.98	3.00	748 ft
				19 km	184.03		748 m
23	GS	IAPU	109.50 MHz	10 nm	228.35	3.00	748 ft
				19 km	236.40		748 m
36C	GS	IDQG	111.70 MHz	10 nm	355.98	3.00	748 ft
				19 km	4.03		748 m
36L	GS	IXUU	110.15 MHz	10 nm	355.98	3.00	748 ft
				19 km	4.03		748 m
36R	GS	IBQC	108.90 MHz	10 nm	356.00	3.00	748 ft
				19 km	4.05		748 m

## EGLL

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

Elevation: 83 ft / 25 m  
Location: 51.471200 -0.460881  
Magnetic Var: 0.376 E

## METAR

EGLL 070120Z AUTO 01005KT 9999 NCD 12/10 Q1015

## TAF

TAF EGLL 062254Z 0700/0806 02004KT 9999 FEW040 PROB30 TEMPO 0700/0702 8000 -RA TEMPO 0702/0707 7000 PROB30 0702/0707 4000

## Frequencies

REC - 128.07 MHz - HEATHROW INFORMATION	REC - 121.92 MHz - HEATHROW INFORMATION
CLD - 121.97 MHz - HEATHROW DELIVERY	GND - 121.70 MHz - HEATHROW GROUND
GND - 121.85 MHz - HEATHROW GROUND	GND - 121.90 MHz - HEATHROW GROUND
TWR - 118.50 MHz - HEATHROW TOWER	TWR - 118.70 MHz - HEATHROW TOWER
TWR - 124.47 MHz - HEATHROW TOWER	APP - 119.72 MHz - HEATHROW DIRECTOR
APP - 120.40 MHz - HEATHROW DIRECTOR	APP - 134.97 MHz - HEATHROW DIRECTOR
APP - 125.62 MHz - HEATHROW RADAR	APP - 127.52 MHz - HEATHROW RADAR
DEP - 120.52 MHz - HEATHROW DEPARTURE	

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
09L	164 ft	12,770 ft	89.66	ASPHALT	1,007 ft	0 ft
	50 m	3,892 m	89.29		307 m	0 m
27R	164 ft	12,770 ft	269.70	ASPHALT	0 ft	177 ft
	50 m	3,892 m	269.33		0 m	54 m
09R	164 ft	11,975 ft	89.68	ASPHALT	1,004 ft	0 ft
	50 m	3,650 m	89.31		306 m	0 m
27L	164 ft	11,975 ft	269.72	ASPHALT	0 ft	95 ft
	50 m	3,650 m	269.35		0 m	29 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
09L	DME	IAA	110.30 MHz	18 nm	-	-	89 ft
				33 km	-		89 m
09R	DME	IBB	109.50 MHz	18 nm	-	-	84 ft
				33 km	-		84 m
27L	DME	ILL	109.50 MHz	18 nm	-	-	84 ft
				33 km	-		84 m
27R	DME	IRR	110.30 MHz	18 nm	-	-	89 ft
				33 km	-		89 m
09L	LOC-ILS	IAA	110.30 MHz	18 nm	89.68	-	83 ft
				33 km	89.30		83 m
09R	LOC-ILS	IBB	109.50 MHz	18 nm	89.70	-	83 ft
				33 km	89.32		83 m
27L	LOC-ILS	ILL	109.50 MHz	18 nm	269.70	-	83 ft
				33 km	269.32		83 m
27R	LOC-ILS	IRR	110.30 MHz	18 nm	269.68	-	83 ft
				33 km	269.30		83 m
09L	GS	IAA	110.30 MHz	10 nm	89.68	3.00	83 ft
				19 km	89.30		83 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
09R	GS	IBB	109.50 MHz	10 nm	89.70	3.00	83 ft
				19 km	89.32		83 m
27L	GS	ILL	109.50 MHz	10 nm	269.70	3.00	83 ft
				19 km	269.32		83 m
27R	GS	IRR	110.30 MHz	10 nm	269.68	3.00	83 ft
				19 km	269.30		83 m