

# EGLL

London Heathrow

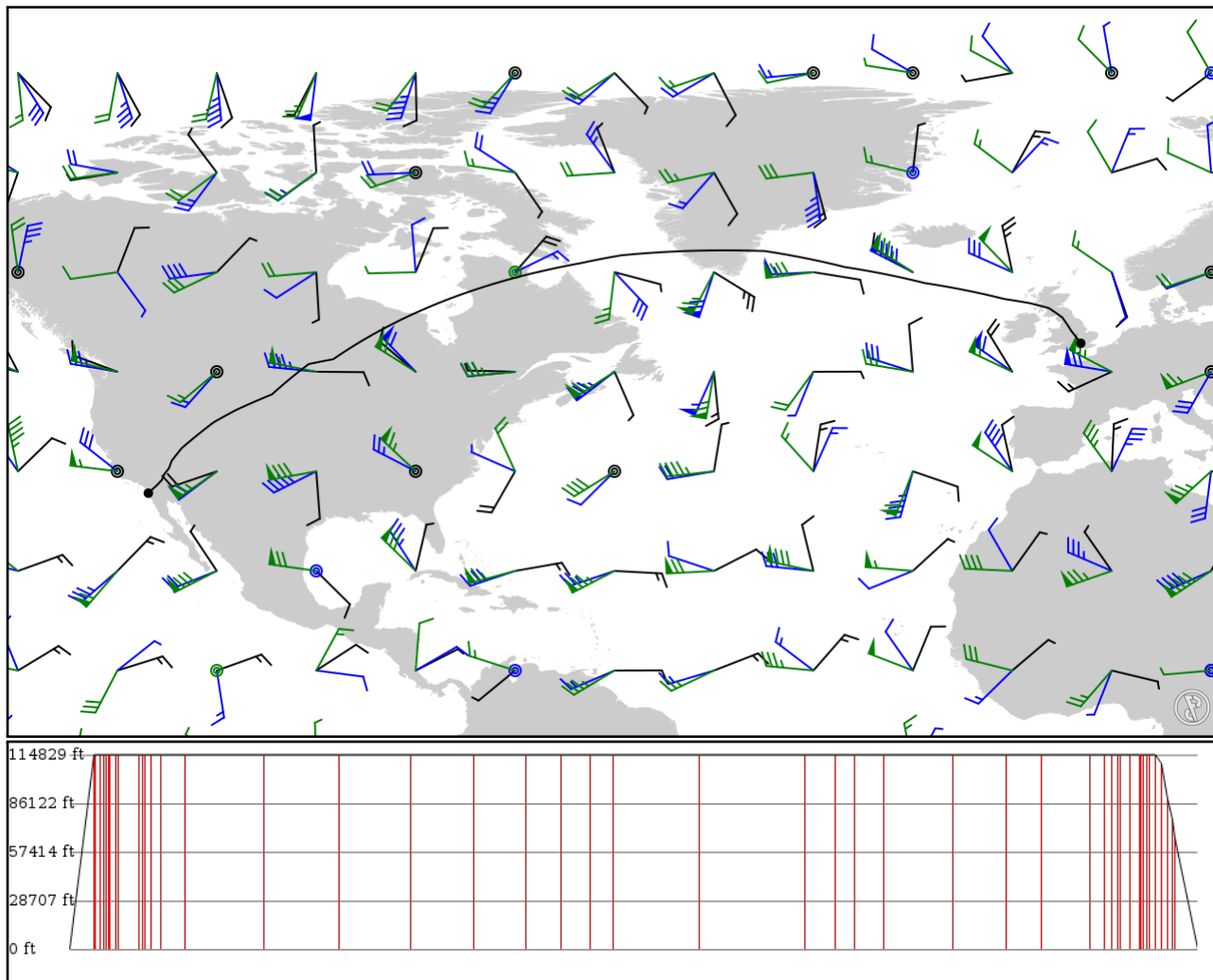
# KSAN

San Diego International Airport

2024/05/04 2251Z

EGLL TNT **UM868** TIPIL **N57** POL **UN601** ABEVI **UN590** GOW **N580** TIR GOMUP **A** KETLA **N876A** GRIBS **N868A** JELCO  
SCAJ VBI **J107** BERYL **V21** MMM **V8** LYSY **V514** TNP **V208** CLOWD KSAN

4845.28 nm / 8973.46 km



## Notes

Using NAT tracks from 26/9/2018

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
EGLL APT	-	51.47120 -0.46088	0 ft 0 m	-	London Heathrow
TNT VOR	-	53.05390 -1.67000	35,000 ft 10,668 m	104	TRENT
TIPIL FIX	UM868 AWY-HI	53.16670 -1.73972	35,000 ft 10,668 m	7	-
DENBY FIX	N57 AWY-LO	53.52030 -1.96111	35,000 ft 10,668 m	22	-
POL VOR	N57 AWY-LO	53.74380 -2.10333	35,000 ft 10,668 m	14	POLE HILL
NELSA FIX	UN601 AWY-HI	53.86330 -2.18472	35,000 ft 10,668 m	7	-
RIBEL FIX	UN601 AWY-HI	54.01610 -2.28972	35,000 ft 10,668 m	9	-
ERGAB FIX	UN601 AWY-HI	54.15610 -2.38667	35,000 ft 10,668 m	9	-
SHAPP FIX	UN601 AWY-HI	54.50000 -2.62722	35,000 ft 10,668 m	22	-
ABEVI FIX	UN601 AWY-HI	54.70750 -2.77472	35,000 ft 10,668 m	13	-
GOW DME	UN590 AWY-HI	55.87050 -4.44572	35,000 ft 10,668 m	90	GLASGOW VOR-DME
CLYDE FIX	N580 AWY-HI	55.96330 -4.79222	35,000 ft 10,668 m	12	-
FYNER FIX	N580 AWY-HI	56.04890 -5.11528	35,000 ft 10,668 m	12	-
BRUCE FIX	N580 AWY-HI	56.23640 -5.84111	35,000 ft 10,668 m	26	-
TIR VOR	N580 AWY-HI	56.49320 -6.87559	35,000 ft 10,668 m	37	TIREE
GOMUP FIX	- -	57.00000 -10.00000	35,000 ft 10,668 m	107	-
59/20 LATLON	A NAT	59.00000 -20.00000	35,000 ft 10,668 m	339	-
61/30 LATLON	A NAT	61.00000 -30.00000	35,000 ft 10,668 m	323	-
63/40 LATLON	A NAT	63.00000 -40.00000	35,000 ft 10,668 m	306	-
63/50 LATLON	A NAT	63.00000 -50.00000	35,000 ft 10,668 m	272	-
KETLA FIX	A NAT	62.46670 -58.00000	35,000 ft 10,668 m	222	-
GRIBS FIX	N876A AWY-HI	61.50000 -63.00000	35,000 ft 10,668 m	152	-
JELCO FIX	N868A AWY-HI	60.70000 -67.00000	35,000 ft 10,668 m	125	-
TUNNI FIX	SCAJ AWY-HI	60.00000 -70.00000	35,000 ft 10,668 m	98	-
KEMSA FIX	SCAJ AWY-HI	56.83750 -80.00000	35,000 ft 10,668 m	366	-
MANUP FIX	SCAJ AWY-HI	52.04440 -90.00000	35,000 ft 10,668 m	451	-
RIONA	SCAJ	50.46710	35,000 ft	135	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-92.56450	10,668 m		
VBI	SCAJ	49.47690	35,000 ft	82	SIoux
VOR	AWY-HI	-94.04670	10,668 m		
HML	J107	48.86920	35,000 ft	125	HUMBOLDT
VOR	AWY-HI	-97.11710	10,668 m		
DPR	J107	45.07820	35,000 ft	295	DUPREE
VOR	AWY-HI	-101.71500	10,668 m		
DDY	J107	43.09090	35,000 ft	230	MUDDY
VOR	AWY-HI	-106.27700	10,668 m		
OCS	J107	41.59020	35,000 ft	151	ROCK
VOR	AWY-HI	-109.01500	10,668 m		
URNuw	J107	39.13420	35,000 ft	204	-
FIX	AWY-HI	-112.10400	10,668 m		
MLF	J107	38.36040	35,000 ft	63	MILFORD
VOR	AWY-HI	-113.01300	10,668 m		
BERYL	J107	37.90000	35,000 ft	32	-
FIX	AWY-HI	-113.38600	10,668 m		
URIAH	V21	37.50280	35,000 ft	28	-
FIX	AWY-LO	-113.70300	10,668 m		
HUNKU	V21	37.36500	35,000 ft	9	-
FIX	AWY-LO	-113.81200	10,668 m		
MMM	V21	36.76930	35,000 ft	42	MORMON
VOR	AWY-LO	-114.27700	10,668 m		
MEADS	V8	36.16370	35,000 ft	37	-
FIX	AWY-LO	-114.49200	10,668 m		
ACLAM	V8	36.07510	35,000 ft	5	-
FIX	AWY-LO	-114.52300	10,668 m		
WINDS	V8	35.85650	35,000 ft	13	-
FIX	AWY-LO	-114.59900	10,668 m		
LYNSY	V8	35.66050	35,000 ft	14	-
FIX	AWY-LO	-114.75600	10,668 m		
SHUSS	V514	35.49550	35,000 ft	11	-
FIX	AWY-LO	-114.88800	10,668 m		
GFS	V514	35.13110	35,000 ft	26	GOFFS
VOR	AWY-LO	-115.17600	10,668 m		
ZELMA	V514	34.78330	33,400 ft	22	-
FIX	AWY-LO	-115.33000	10,180 m		
JOTNU	V514	34.32590	27,100 ft	29	-
FIX	AWY-LO	-115.53000	8,260 m		
TNP	V514	34.11220	23,400 ft	17	TWENTYNINE PALMS
VOR	AWY-LO	-115.77000	7,132 m		
CLOWD	V208	33.90280	20,100 ft	15	-
FIX	AWY-LO	-115.93900	6,126 m		
KSAN	-	32.73350	0 ft	94	San Diego International Airport
APT	-	-117.19000	0 m		

## EGLL

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

Elevation: 83 ft / 25 m  
Location: 51.471200 -0.460881  
Magnetic Var: 0.375 E

## METAR

EGLL 042220Z AUTO 15003KT 120V180 9999 NCD 09/07 Q1009

## TAF

TAF EGLL 041656Z 0418/0524 18006KT 9999 SCT040 PROB30 TEMPO 0418/0420 4000 +SHRA BECMG 0423/0502 7000 PROB30 0501

## 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

## KSAN

Region: UNITED STATES  
Timezone: AMERICA/LOS\_ANGELES  
Runways: 1

Elevation: 17 ft / 5 m  
Location: 32.733600 -117.190000  
Magnetic Var: 10.971 E

## METAR

KSAN 042151Z 25009G21KT 10SM BKN024 19/13 A2993 RMK A02 SLP136 T01890128 \$

## TAF

TAF AMD KSAN 042022Z 0420/0524 27008KT P6SM OVC029 FM042100 22010KT P6SM SCT030 SCT040 FM050100 28007KT P6SM BKN024

## Frequencies

REC - 134.80 MHz - LINDBERGH ATIS	CLD - 125.90 MHz - LINDBERGH CLEARANCE
GND - 123.90 MHz - LINDBERGH GROUND	TWR - 118.30 MHz - LINDBERGH TOWER
DEP - 119.60 MHz - SOCAL WEST DEPARTURE	DEP - 124.35 MHz - SOCAL EAST DEPARTURE
APP - 119.60 MHz - SOCAL WEST APPROACH	APP - 124.35 MHz - SOCAL EAST APPROACH

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
09	200 ft	9,388 ft	106.13	ASPHALT	1,004 ft	390 ft
	61 m	2,861 m	95.16		306 m	119 m
27	200 ft	9,388 ft	286.15	ASPHALT	1,811 ft	0 ft
	61 m	2,861 m	275.18		552 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
09	DME	ISAN	111.55 MHz	18 nm	-	-	29 ft
				33 km	-		29 m
27	DME	IUBR	110.90 MHz	18 nm	-	-	26 ft
				33 km	-		26 m
09	LOC-ILS	ISAN	111.55 MHz	18 nm	106.14	-	17 ft
				33 km	95.17		17 m
27	LOC-LOC	IUBR	110.90 MHz	18 nm	286.14	-	17 ft
				33 km	275.17		17 m
09	GS	ISAN	111.55 MHz	10 nm	106.14	3.10	17 ft
				19 km	95.17		17 m