

EGLL

London Heathrow

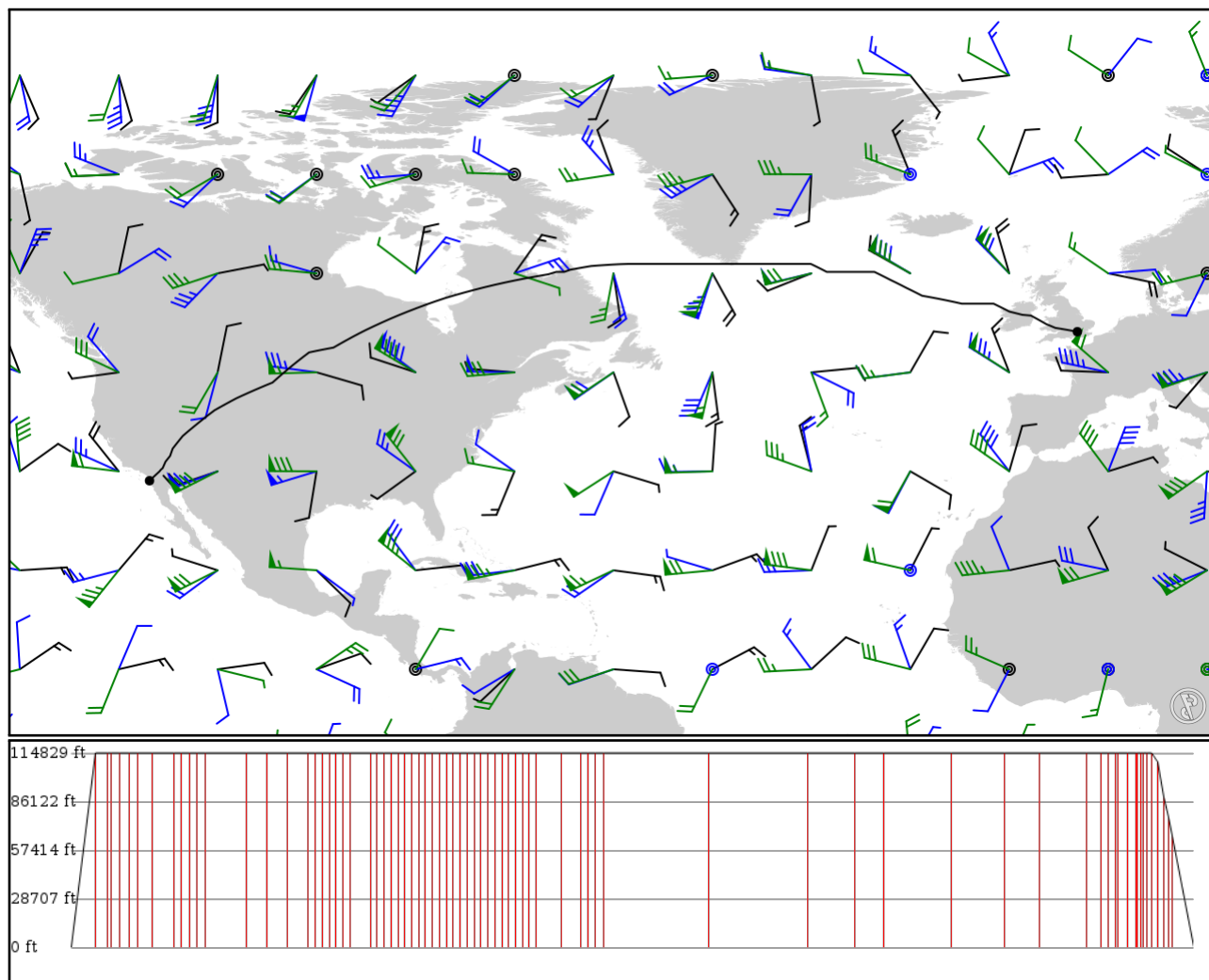
KSAN

San Diego Intl

2024/05/13 0612Z

EGLL TALGA **Q60** LANON **UL18** LIPGO **L18** DUB **W13** INKUR 5400N0900W 5500N01100W 5500N01200W 5500N01300W
5500N01400W RESNO **B** 56/20 5700N02200W 5800N02400W 5900N02600W 5900N02700W 5900N02800W
5900N02900W 5900N03000W 5900N03100W 5900N03200W 6000N03400W 6000N03500W 6000N03600W 6000N03700W
6000N03800W 6000N03900W 6000N04000W 6000N04100W 6000N04200W 6000N04300W 6000N04400W 6000N04500W
6000N04600W 6000N04700W 6000N04800W 6000N04900W 6000N05000W 6000N05100W 6000N05200W 6000N05300W
6000N05400W 6000N05500W 6000N05600W 6000N05700W RADUN **N822A** LOPVI 5900N06500W 5900N06600W FASSA
SCAK VBI **J107** BERYL **V21** MMM **V8** LYNSY **V514** TNP **V208** CLOWD KSAN

4871.80 nm / 9022.57 km



Notes

Using NAT tracks from 7/7/2021

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
TALGA FIX	-	51.95830 -3.24556	35,000 ft 10,668 m	107	-
LANON FIX	Q60 AWY-HI	52.43110 -4.37250	35,000 ft 10,668 m	50	-
BADSI FIX	UL18 AWY-HI	52.65830 -4.77139	35,000 ft 10,668 m	19	-
LIPGO FIX	UL18 AWY-HI	53.06390 -5.50000	35,000 ft 10,668 m	35	-
DUB VOR	L18 AWY-LO	53.49940 -6.30711	35,000 ft 10,668 m	39	DUBLIN
INKUR FIX	W13 AWY-LO	53.59760 -7.39128	35,000 ft 10,668 m	39	-
5400N0900W LATLON	-	54.00000 -9.00000	35,000 ft 10,668 m	61	-
5500N01100W LATLON	-	55.00000 -11.00000	35,000 ft 10,668 m	92	-
5500N01200W LATLON	-	55.00000 -12.00000	35,000 ft 10,668 m	34	-
5500N01300W LATLON	-	55.00000 -13.00000	35,000 ft 10,668 m	34	-
5500N01400W LATLON	-	55.00000 -14.00000	35,000 ft 10,668 m	34	-
RESNO FIX	-	55.00000 -15.00000	35,000 ft 10,668 m	34	-
56/20 LATLON	B NAT	56.00000 -20.00000	35,000 ft 10,668 m	180	-
5700N02200W LATLON	-	57.00000 -22.00000	35,000 ft 10,668 m	89	-
5800N02400W LATLON	-	58.00000 -24.00000	35,000 ft 10,668 m	88	-
5900N02600W LATLON	-	59.00000 -26.00000	35,000 ft 10,668 m	86	-
5900N02700W LATLON	-	59.00000 -27.00000	35,000 ft 10,668 m	30	-
5900N02800W LATLON	-	59.00000 -28.00000	35,000 ft 10,668 m	30	-
5900N02900W LATLON	-	59.00000 -29.00000	35,000 ft 10,668 m	30	-
5900N03000W LATLON	-	59.00000 -30.00000	35,000 ft 10,668 m	30	-
5900N03100W LATLON	-	59.00000 -31.00000	35,000 ft 10,668 m	30	-
5900N03200W LATLON	-	59.00000 -32.00000	35,000 ft 10,668 m	30	-
6000N03400W LATLON	-	60.00000 -34.00000	35,000 ft 10,668 m	85	-
6000N03500W LATLON	-	60.00000 -35.00000	35,000 ft 10,668 m	30	-
6000N03600W LATLON	-	60.00000 -36.00000	35,000 ft 10,668 m	30	-
6000N03700W	-	60.00000	35,000 ft	30	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-37.00000	10,668 m		
6000N03800W	-	60.00000	35,000 ft	30	-
LATLON	-	-38.00000	10,668 m		
6000N03900W	-	60.00000	35,000 ft	30	-
LATLON	-	-39.00000	10,668 m		
6000N04000W	-	60.00000	35,000 ft	30	-
LATLON	-	-40.00000	10,668 m		
6000N04100W	-	60.00000	35,000 ft	30	-
LATLON	-	-41.00000	10,668 m		
6000N04200W	-	60.00000	35,000 ft	30	-
LATLON	-	-42.00000	10,668 m		
6000N04300W	-	60.00000	35,000 ft	30	-
LATLON	-	-43.00000	10,668 m		
6000N04400W	-	60.00000	35,000 ft	30	-
LATLON	-	-44.00000	10,668 m		
6000N04500W	-	60.00000	35,000 ft	30	-
LATLON	-	-45.00000	10,668 m		
6000N04600W	-	60.00000	35,000 ft	30	-
LATLON	-	-46.00000	10,668 m		
6000N04700W	-	60.00000	35,000 ft	30	-
LATLON	-	-47.00000	10,668 m		
6000N04800W	-	60.00000	35,000 ft	30	-
LATLON	-	-48.00000	10,668 m		
6000N04900W	-	60.00000	35,000 ft	30	-
LATLON	-	-49.00000	10,668 m		
6000N05000W	-	60.00000	35,000 ft	30	-
LATLON	-	-50.00000	10,668 m		
6000N05100W	-	60.00000	35,000 ft	30	-
LATLON	-	-51.00000	10,668 m		
6000N05200W	-	60.00000	35,000 ft	30	-
LATLON	-	-52.00000	10,668 m		
6000N05300W	-	60.00000	35,000 ft	30	-
LATLON	-	-53.00000	10,668 m		
6000N05400W	-	60.00000	35,000 ft	30	-
LATLON	-	-54.00000	10,668 m		
6000N05500W	-	60.00000	35,000 ft	30	-
LATLON	-	-55.00000	10,668 m		
6000N05600W	-	60.00000	35,000 ft	30	-
LATLON	-	-56.00000	10,668 m		
6000N05700W	-	60.00000	35,000 ft	30	-
LATLON	-	-57.00000	10,668 m		
RADUN	-	59.96670	35,000 ft	30	-
FIX	-	-58.00000	10,668 m		
PEPKI	N822A	59.73330	35,000 ft	109	-
FIX	AWY-HI	-61.61670	10,668 m		
LOPVI	N822A	59.26670	35,000 ft	85	-
FIX	AWY-HI	-64.25000	10,668 m		
5900N06500W	-	59.00000	35,000 ft	28	-
LATLON	-	-65.00000	10,668 m		
5900N06600W	-	59.00000	35,000 ft	30	-
LATLON	-	-66.00000	10,668 m		
FASSA	-	58.70000	35,000 ft	35	-
FIX	-	-67.00000	10,668 m		
GRAND	SCAK	55.70330	35,000 ft	458	-
FIX	AWY-HI	-80.00000	10,668 m		
VIPGA	SCAK	51.67360	35,000 ft	429	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-90.00000	10,668 m		
VBI	SCAK	49.47690	35,000 ft	202	SIOUX NARROWS
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 MOUNTAIN (CASPER)
VOR	AWY-HI	-106.27700	10,668 m		
OCS	J107	41.59020	35,000 ft	151	ROCK SPRINGS
VOR	AWY-HI	-109.01500	10,668 m		
URNW	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 MESA
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	-	32.73360	0 ft	94	San Diego Intl
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: 0.378 E

METAR

EGLL 130550Z AUTO 22010KT 9999 OVC015 13/09 Q1009

TAF

TAF EGLL 130458Z 1306/1412 21006KT 9999 SCT020 PROB30 TEMPO 1306/1311 BKN014 BECMG 1311/1314 15012KT TEMPO 1319/1

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	89.28		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	89.30		306 m	0 m
27L	164 ft	11,975 ft	269.72	ASPHALT	0 ft	95 ft
	50 m	3,650 m	269.34		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: 10.969 E

METAR

KSAN 130551Z 31003KT 10SM OVC013 17/13 A2998 RMK A02 SLP151 T01670128 10194 20161 51014

TAF

TAF KSAN 130520Z 1306/1412 VRB04KT P6SM OVC012 TEMPO 1308/1312 4SM BR OVC009 FM131800 29010KT P6SM SCT015 FM140230

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