KSFO
San Francisco Intl

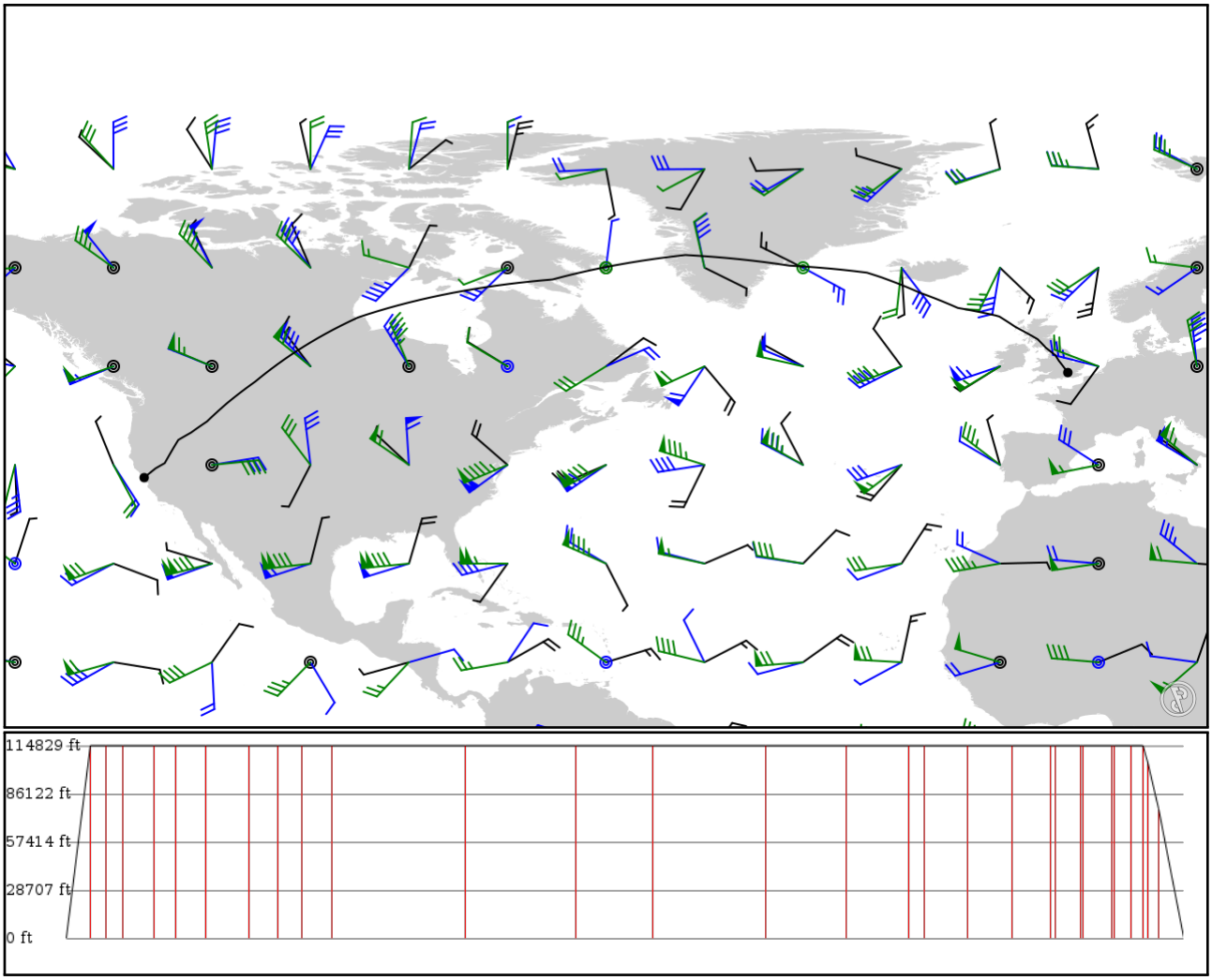
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EGLL
London Heathrow

2024/03/19 0109Z

KSFO COLOM **J32** FMG **J7** GTF **J530** YYN **NCAE** YYQ **N554C** YFB **5E72** GIMLI 6400N02500W 6200N02000W 6000N01500W BALIX **UP59** NINEX **UN590** GOW **UN615** DCS **UN57** TNT EGLL

4729.23 nm / 8758.54 km



Notes

Basic altitude profile:
- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 38000ft
- 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	Via	Lat	Alt	Dist	Name
Type		Lon		(nm)	
KSFO	–	37.61867	0 ft	–	San Francisco Intl
APT	–	-122.37501	0 m		
COLOM	–	38.83897	35,000 ft	102	–
FIX	–	-120.87002	10,668 m		
FMG	J32	39.53128	35,000 ft	70	MUSTANG VORTAC
VOR	AWY-HI	-119.65608	10,668 m		
GASSI	J7	40.57166	35,000 ft	68	–
FIX	AWY-HI	-119.06834	10,668 m		
REO	J7	42.59056	35,000 ft	132	ROME VOR-DME
VOR	AWY-HI	-117.86814	10,668 m		
BOI	J7	43.55281	35,000 ft	93	BOISE VORTAC
VOR	AWY-HI	-116.19214	10,668 m		
LKT	J7	45.02131	35,000 ft	126	SALMON VOR-DME
VOR	AWY-HI	-114.08425	10,668 m		
GTF	J7	47.44998	35,000 ft	183	GREAT FALLS VORTAC
DME	AWY-HI	-111.41216	10,668 m		
GGRBI	J530	49.00000	35,000 ft	121	–
FIX	AWY-HI	-109.45800	10,668 m		
YYN	J530	50.29706	35,000 ft	103	SWIFT CURRENT VOR-DME
VOR	AWY-HI	-107.69089	10,668 m		
ELTAX	NCAE	51.95667	35,000 ft	127	–
FIX	AWY-HI	-105.59500	10,668 m		
YYQ	NCAE	58.74175	35,000 ft	563	CHURCHILL VOR-DME
VOR	AWY-HI	-94.13531	10,668 m		
BODRA	N554C	62.28278	35,000 ft	467	–
FIX	AWY-HI	-80.00000	10,668 m		
YFB	N554C	63.74167	35,000 ft	325	FROBAY VOR
VOR	AWY-HI	-68.47333	10,668 m		
SF	5E72	66.96749	35,000 ft	477	SONDRE STROMFJORD NDB
NDB	AWY-HI	-50.94167	10,668 m		
DA	5E72	65.57056	35,000 ft	341	KULUSUK NDB
NDB	AWY-HI	-37.20694	10,668 m		
GIMLI	5E72	64.64000	35,000 ft	264	–
FIX	AWY-HI	-26.97833	10,668 m		
6400N02500W	–	64.00000	35,000 ft	64	–
LATLON	–	-25.00000	10,668 m		
6200N02000W	–	62.00000	35,000 ft	181	–
LATLON	–	-20.00000	10,668 m		
6000N01500W	–	60.00000	35,000 ft	188	–
LATLON	–	-15.00000	10,668 m		
BALIX	–	59.00000	35,000 ft	163	–
FIX	–	-10.00000	10,668 m		
NINEX	UP59	58.85556	35,000 ft	17	–
FIX	AWY-HI	-9.50000	10,668 m		
BEN	UN590	57.47794	35,000 ft	106	BENBECULA VOR-DME
VOR	AWY-HI	-7.36530	10,668 m		
SUPIT	UN590	57.33250	35,000 ft	12	–
FIX	AWY-HI	-7.08500	10,668 m		
GOW	UN590	55.87050	35,000 ft	123	GLASGOW VOR-DME
VOR	AWY-HI	-4.44573	10,668 m		
FENIK	UN615	55.71528	35,000 ft	10	–
FIX	AWY-HI	-4.29194	10,668 m		
DCS	UN615	54.72194	35,000 ft	67	DEAN CROSS VOR-DME

Ident	Via	Lat	Alt	Dist	Name
Type		Lon		(nm)	
VOR	AWY-HI	-3.34056	10,668 m		
SETEL	UN57	54.01250	35,000 ft	53	-
FIX	AWY-HI	-2.43583	10,668 m		
POL	UN57	53.74389	31,900 ft	19	POLE HILL VOR-DME
VOR	AWY-HI	-2.10333	9,723 m		
TNT	UN57	53.05389	23,500 ft	44	TRENT VOR-DME
VOR	AWY-HI	-1.67000	7,163 m		
EGLL	-	51.47122	0 ft	104	London Heathrow
APT	-	-0.46098	0 m		

KSFO

Region: UNITED STATES
Timezone: AMERICA/LOS_ANGELES
Runways: 4

Elevation: 13 ft / 4 m
Location: 37.618500 -122.375000
Magnetic Var: 12.857 E

METAR

KSFO 182356Z 30017KT 10SM FEW010 SCT200 16/11 A3005 RMK AO2 SLP177 T01560106 10178 20144 56014

TAF

TAF KSFO 182320Z 1900/2006 28011KT P6SM SKC FM190600 27006KT 3SM BR SCT002 BKN010 FM191400 28014KT P6SM SKC

Frequencies

REC - 113.70 MHz - D-ATIS
REC - 118.85 MHz - D-ATIS
CLD - 118.20 MHz -
SAN FRANCISCO CLEARANCE DELIVERY
TWR - 120.50 MHz - SAN FRANCISCO TOWER
APP - 128.32 MHz - NORCAL APPROACH
APP - 133.95 MHz - NORCAL APPROACH
DEP - 135.10 MHz - NORCAL DEPARTURE
REC - 115.80 MHz - D-ATIS
COM - 122.95 MHz - UNICOM
GND - 121.80 MHz - SAN FRANCISCO GROUND
APP - 134.50 MHz - NORCAL APPROACH
APP - 128.57 MHz - NORCAL APPROACH
DEP - 120.90 MHz - NORCAL DEPARTURE

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
10L	200 ft 61 m	11,859 ft 3,615 m	117.90 105.04	ASPHALT	0 ft 0 m	876 ft 267 m
28R	200 ft 61 m	11,859 ft 3,615 m	297.92 285.06	ASPHALT	302 ft 92 m	318 ft 97 m
10R	200 ft 61 m	11,371 ft 3,466 m	117.90 105.04	ASPHALT	0 ft 0 m	748 ft 228 m
28L	200 ft 61 m	11,371 ft 3,466 m	297.92 285.06	ASPHALT	305 ft 93 m	322 ft 98 m
01R	200 ft 61 m	8,665 ft 2,641 m	27.71 14.85	ASPHALT	564 ft 172 m	404 ft 123 m
19L	200 ft 61 m	8,665 ft 2,641 m	207.72 194.86	ASPHALT	0 ft 0 m	443 ft 135 m
01L	200 ft 61 m	7,664 ft 2,336 m	27.71 14.85	ASPHALT	643 ft 196 m	469 ft 143 m
19R	200 ft 61 m	7,664 ft 2,336 m	207.72 194.86	ASPHALT	0 ft 0 m	446 ft 136 m

Approach Navaids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
19L	DME	ISIA	108.90 MHz	18 nm 33 km	- -	-	24 ft 24 m
28L	DME	ISFO	109.55 MHz	18 nm 33 km	- -	-	22 ft 22 m
28R	DME	IGWQ	111.70 MHz	18 nm 33 km	- -	-	17 ft 17 m
28R	DME	IFNP	110.75 MHz	18 nm 33 km	- -	-	13 ft 13 m
19L	LOC-ILS	ISIA	108.90 MHz	18 nm 33 km	207.72 194.86	-	13 ft 13 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
28L	LOC-ILS	ISFO	109.55 MHz	18 nm 33 km	297.91 285.05	-	13 ft 13 m
28R	LOC-ILS	IGWQ	111.70 MHz	18 nm 33 km	297.91 285.05	-	13 ft 13 m
19L	GS	ISIA	108.90 MHz	10 nm 19 km	207.72 194.86	3.00	13 ft 13 m
28L	GS	ISFO	109.55 MHz	10 nm 19 km	297.91 285.05	2.85	13 ft 13 m
28R	GS	IGWQ	111.70 MHz	10 nm 19 km	297.91 285.05	3.00	13 ft 13 m

EGLL

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

Elevation: 83 ft / 25 m
Location: 51.471200 -0.460881
Magnetic Var: 0.356 E

METAR

EGLL 190020Z AUTO 21010KT 9999 OVC035 11/08 Q1014

TAF

TAF EGLL 182307Z 1900/2006 21010KT 9999 FEW012 BKN025 PROB40 TEMPO 1900/1906 BKN012 TEMPO 1906/1911 8000 -RADZ BKN

Frequencies

REC - 128.07 MHz - HEATHROW INFORMATION
CLD - 121.97 MHz - HEATHROW DELIVERY
GND - 121.85 MHz - HEATHROW GROUND
TWR - 118.50 MHz - HEATHROW TOWER
TWR - 124.47 MHz - HEATHROW TOWER
APP - 120.40 MHz - HEATHROW DIRECTOR
APP - 125.62 MHz - HEATHROW RADAR
DEP - 120.52 MHz - HEATHROW DEPARTURE

REC - 121.92 MHz - HEATHROW INFORMATION
GND - 121.70 MHz - HEATHROW GROUND
GND - 121.90 MHz - HEATHROW GROUND
TWR - 118.70 MHz - HEATHROW TOWER
APP - 119.72 MHz - HEATHROW DIRECTOR
APP - 134.97 MHz - HEATHROW DIRECTOR
APP - 127.52 MHz - HEATHROW RADAR

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
09L	164 ft 50 m	12,770 ft 3,892 m	89.66 89.30	ASPHALT	1,007 ft 307 m	0 ft 0 m
27R	164 ft 50 m	12,770 ft 3,892 m	269.70 269.35	ASPHALT	0 ft 0 m	177 ft 54 m
09R	164 ft 50 m	11,975 ft 3,650 m	89.68 89.32	ASPHALT	1,004 ft 306 m	0 ft 0 m
27L	164 ft 50 m	11,975 ft 3,650 m	269.72 269.37	ASPHALT	0 ft 0 m	95 ft 29 m

Approach Navaids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
09L	DME	IAA	110.30 MHz	18 nm 33 km	- -	-	89 ft 89 m
09R	DME	IBB	109.50 MHz	18 nm 33 km	- -	-	84 ft 84 m
27L	DME	ILL	109.50 MHz	18 nm 33 km	- -	-	84 ft 84 m
27R	DME	IRR	110.30 MHz	18 nm 33 km	- -	-	89 ft 89 m
09L	LOC-ILS	IAA	110.30 MHz	18 nm 33 km	89.68 89.32	-	83 ft 83 m
09R	LOC-ILS	IBB	109.50 MHz	18 nm 33 km	89.70 89.34	-	83 ft 83 m
27L	LOC-ILS	ILL	109.50 MHz	18 nm 33 km	269.70 269.34	-	83 ft 83 m
27R	LOC-ILS	IRR	110.30 MHz	18 nm 33 km	269.68 269.32	-	83 ft 83 m
09L	GS	IAA	110.30 MHz	10 nm 19 km	89.68 89.32	3.00	83 ft 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	89.34		83 m
27L	GS	ILL	109.50 MHz	10 nm	269.70	3.00	83 ft
				19 km	269.34		83 m
27R	GS	IRR	110.30 MHz	10 nm	269.68	3.00	83 ft
				19 km	269.32		83 m