EGLL
London Heathrow

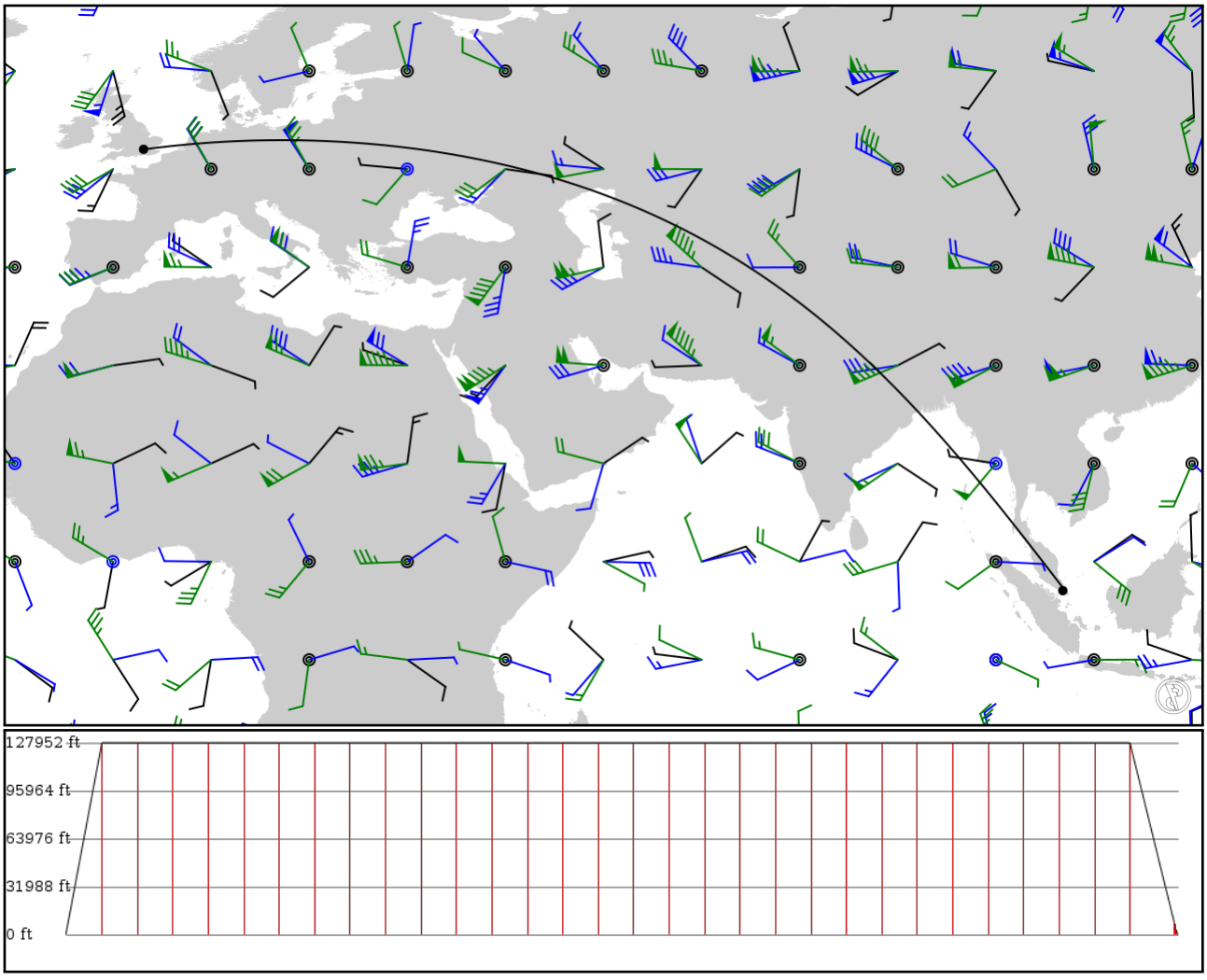
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WSSS
Singapore Changi Intl

2024/03/19 0325Z

EGLL +51.48_+000.32 +51.48_+000.29 +51.48_+000.27 +52.04_+004.69 +52.39_+009.75 +52.52_+014.87
+52.43_+019.99 +52.11_+025.06 +51.59_+030.04 +50.86_+034.89 +49.93_+039.56 +48.83_+044.04
+47.56_+048.32 +46.13_+052.38 +44.57_+056.23 +42.89_+059.87 +41.10_+063.30 +39.22_+066.56
+37.24_+069.64 +35.20_+072.55 +33.08_+075.33 +30.91_+077.97 +28.69_+080.49 +26.42_+082.90
+24.11_+085.23 +21.77_+087.47 +19.40_+089.63 +17.00_+091.74 +14.58_+093.79 +12.15_+095.79
+09.70_+097.76 +07.24_+099.70 +04.77_+101.62 +01.67_+104.02 +01.66_+104.03 +01.65_+104.04
+01.64_+104.04 +01.62_+104.05 +01.61_+104.06 +01.60_+104.06 +01.58_+104.06 +01.57_+104.07
+01.55_+104.07 +01.54_+104.06 +01.52_+104.06 +01.51_+104.06 +01.50_+104.06 WSSS

5882.78 nm / 10894.90 km



Notes

Departing runway 8 EGLL. Arriving runway 2 WSSS.

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
EGLL APT	–	51.47767 -0.43326	0 ft 0 m	–	–
+51.48_+000.32 DME	–	51.47801 -0.31707	120 ft 37 m	4	–
+51.48_+000.29 DME	–	51.47935 -0.29393	170 ft 52 m	0	–
+51.48_+000.27 DME	–	51.48194 -0.27107	230 ft 70 m	0	–
+52.04_+004.69 DME	–	52.04129 4.68879	39,000 ft 11,887 m	187	–
+52.39_+009.75 DME	–	52.38929 9.75039	39,000 ft 11,887 m	187	–
+52.52_+014.87 DME	–	52.51836 14.86692	39,000 ft 11,887 m	187	–
+52.43_+019.99 DME	–	52.42621 19.98775	39,000 ft 11,887 m	187	–
+52.11_+025.06 DME	–	52.11449 25.06194	39,000 ft 11,887 m	187	–
+51.59_+030.04 DME	–	51.58864 30.04180	39,000 ft 11,887 m	187	–
+50.86_+034.89 DME	–	50.85748 34.88591	39,000 ft 11,887 m	187	–
+49.93_+039.56 DME	–	49.93252 39.56117	39,000 ft 11,887 m	187	–
+48.83_+044.04 DME	–	48.82713 44.04371	39,000 ft 11,887 m	187	–
+47.56_+048.32 DME	–	47.55581 48.31873	39,000 ft 11,887 m	187	–
+46.13_+052.38 DME	–	46.13344 52.37965	39,000 ft 11,887 m	187	–
+44.57_+056.23 DME	–	44.57473 56.22665	39,000 ft 11,887 m	187	–
+42.89_+059.87 DME	–	42.89380 59.86525	39,000 ft 11,887 m	187	–
+41.10_+063.30 DME	–	41.10389 63.30472	39,000 ft 11,887 m	187	–
+39.22_+066.56 DME	–	39.21723 66.55693	39,000 ft 11,887 m	187	–
+37.24_+069.64 DME	–	37.24494 69.63518	39,000 ft 11,887 m	187	–
+35.20_+072.55 DME	–	35.19709 72.55350	39,000 ft 11,887 m	187	–
+33.08_+075.33 DME	–	33.08271 75.32601	39,000 ft 11,887 m	187	–
+30.91_+077.97 DME	–	30.90989 77.96658	39,000 ft 11,887 m	187	–
+28.69_+080.49 DME	–	28.68583 80.48854	39,000 ft 11,887 m	187	–
+26.42_+082.90 DME	–	26.41700 82.90453	39,000 ft 11,887 m	187	–
+24.11_+085.23 DME	–	24.10915 85.22650	39,000 ft 11,887 m	187	–
+21.77_+087.47	–	21.76746	39,000 ft	187	–

Ident	Via	Lat	Alt	Dist	Name
Type		Lon		(nm)	
DME	–	87.46563	11,887 m		
+19.40_+089.63	–	19.39662	39,000 ft	187	–
DME	–	89.63238	11,887 m		
+17.00_+091.74	–	17.00084	39,000 ft	187	–
DME	–	91.73656	11,887 m		
+14.58_+093.79	–	14.58402	39,000 ft	187	–
DME	–	93.78736	11,887 m		
+12.15_+095.79	–	12.14969	39,000 ft	187	–
DME	–	95.79347	11,887 m		
+09.70_+097.76	–	9.70117	39,000 ft	187	–
DME	–	97.76309	11,887 m		
+07.24_+099.70	–	7.24158	39,000 ft	187	–
DME	–	99.70406	11,887 m		
+04.77_+101.62	–	4.77385	39,000 ft	187	–
DME	–	101.62392	11,887 m		
+01.67_+104.02	–	1.66979	2,500 ft	235	–
DME	–	104.01775	762 m		
+01.66_+104.03	–	1.65906	2,290 ft	0	–
DME	–	104.02746	698 m		
+01.65_+104.04	–	1.64753	2,090 ft	0	–
DME	–	104.03621	637 m		
+01.64_+104.04	–	1.63528	1,900 ft	0	–
DME	–	104.04391	579 m		
+01.62_+104.05	–	1.62240	1,720 ft	0	–
DME	–	104.05052	524 m		
+01.61_+104.06	–	1.60899	1,540 ft	0	–
DME	–	104.05598	469 m		
+01.60_+104.06	–	1.59516	1,380 ft	0	–
DME	–	104.06026	421 m		
+01.58_+104.06	–	1.58102	1,220 ft	0	–
DME	–	104.06330	372 m		
+01.57_+104.07	–	1.56665	1,070 ft	0	–
DME	–	104.06511	326 m		
+01.55_+104.07	–	1.55219	940 ft	0	–
DME	–	104.06565	287 m		
+01.54_+104.06	–	1.53774	810 ft	0	–
DME	–	104.06494	247 m		
+01.52_+104.06	–	1.52340	690 ft	0	–
DME	–	104.06296	210 m		
+01.51_+104.06	–	1.50929	580 ft	0	–
DME	–	104.05974	177 m		
+01.50_+104.06	–	1.49551	480 ft	0	–
DME	–	104.05530	146 m		
WSSS	–	1.36213	0 ft	8	–
APT	–	103.99910	0 m		

EGLL

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

Elevation: 83 ft / 25 m
Location: 51.471200 -0.460881
Magnetic Var: 0.357 E

METAR

EGLL 190320Z AUTO 20007KT 9999 SCT038 10/08 Q1014

TAF

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

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

WSSS

Region: SINGAPORE
Timezone: ASIA/SINGAPORE
Runways: 2
Elevation: 20 ft / 6 m
Location: 1.355510 103.988000
Magnetic Var: 0.199 E

METAR

WSSS 190300Z 36012KT 9999 FEW020 BKN300 31/25 Q1012 NOSIG

TAF

TAF WSSS 182300Z 1900/2006 01011KT 9999 FEW015 SCT020

Frequencies

DEP - 123.70 MHz - SINGAPORE RADAR
DEP - 133.80 MHz - SINGAPORE RADAR
DEP - 135.80 MHz - SINGAPORE RADAR
DEP - 133.35 MHz - SINGAPORE RADAR
DEP - 128.10 MHz - SINGAPORE RADAR
DEP - 124.05 MHz - SINGAPORE RADAR
APP - 124.60 MHz - SINGAPORE APPROACH
TWR - 118.60 MHz - SINGAPORE TOWER
GND - 124.30 MHz - SINGAPORE GROUND
GND - 121.85 MHz - SINGAPORE GROUND
GND - 122.55 MHz - SINGAPORE GROUND
CLD - 119.60 MHz - SINGAPORE DELIVERY
REC - 128.02 MHz -
CHANGI AIRPORT ARRIVAL INFORMATION
DEP - 127.30 MHz - SINGAPORE RADAR
DEP - 133.25 MHz - SINGAPORE RADAR
DEP - 134.20 MHz - SINGAPORE RADAR
DEP - 134.40 MHz - SINGAPORE RADAR
DEP - 255.40 MHz - SINGAPORE RADAR
APP - 120.30 MHz - SINGAPORE APPROACH
APP - 119.30 MHz - SINGAPORE ARRIVAL
TWR - 118.25 MHz - SINGAPORE TOWER
GND - 121.72 MHz - SINGAPORE GROUND
GND - 121.00 MHz - SINGAPORE GROUND EMERGENCY
CLD - 121.65 MHz - SINGAPORE DELIVERY
REC - 128.60 MHz -
CHANGI AIRPORT INFORMATION (D-ATIS)

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
02L	197 ft 60 m	13,187 ft 4,020 m	22.88 22.68	ASPHALT	0 ft 0 m	0 ft 0 m
20R	197 ft 60 m	13,187 ft 4,020 m	202.88 202.68	ASPHALT	2,428 ft 740 m	390 ft 119 m
02C	197 ft 60 m	13,187 ft 4,020 m	22.88 22.68	ASPHALT	0 ft 0 m	0 ft 0 m
20C	197 ft 60 m	13,187 ft 4,020 m	202.88 202.68	ASPHALT	0 ft 0 m	0 ft 0 m

Approach Navaids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
02C	DME	ICE	108.30 MHz	18 nm 33 km	- -	-	15 ft 15 m
02L	DME	ICW	110.90 MHz	18 nm 33 km	- -	-	20 ft 20 m
20C	DME	ICC	109.70 MHz	18 nm 33 km	- -	-	15 ft 15 m
20R	DME	ICH	108.90 MHz	18 nm 33 km	- -	-	22 ft 22 m
02C	LOC-ILS	ICE	108.30 MHz	18 nm 33 km	22.88 22.68	-	20 ft 20 m
02L	LOC-ILS	ICW	110.90 MHz	18 nm	22.88	-	20 ft

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
				33 km	22.68		20 m
20C	LOC-ILS	ICC	109.70 MHz	18 nm	202.88	–	20 ft
				33 km	202.68		20 m
20R	LOC-ILS	ICH	108.90 MHz	18 nm	202.88	–	20 ft
				33 km	202.68		20 m
02C	GS	ICE	108.30 MHz	10 nm	22.88	3.00	20 ft
				19 km	22.68		20 m
02L	GS	ICW	110.90 MHz	10 nm	22.88	3.00	20 ft
				19 km	22.68		20 m
20C	GS	ICC	109.70 MHz	10 nm	202.88	3.00	20 ft
				19 km	202.68		20 m
20R	GS	ICH	108.90 MHz	10 nm	202.88	3.00	20 ft
				19 km	202.68		20 m