

NZAA

Auckland International

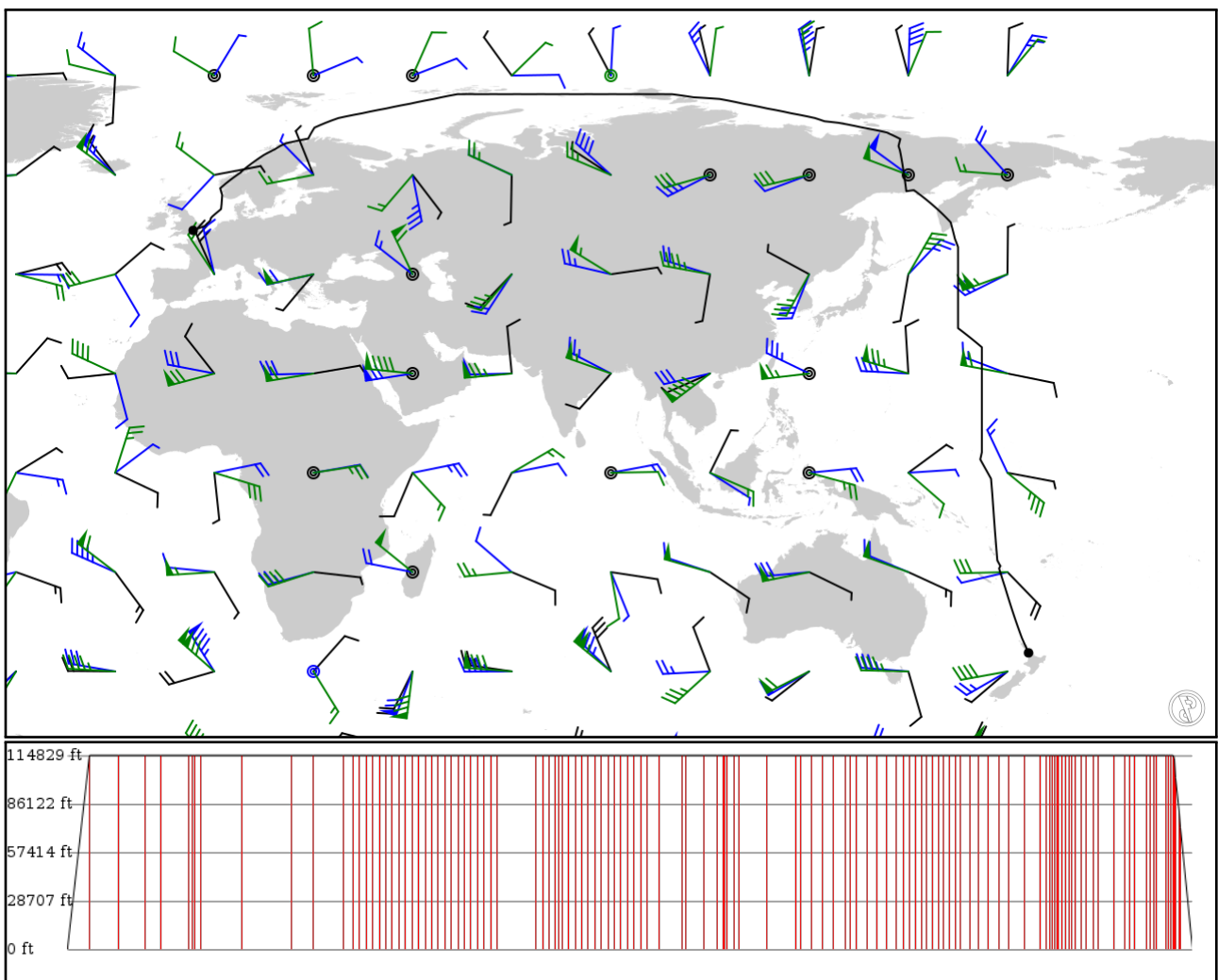
EGLL

London Heathrow

2024/05/05 0210Z

NZAA AA **A597** DUGAN **R599** ELSAX ERO **3E103** VLI **B590** NI **G223** MUBIT 500N16500E 600N16500E 700N16500E 800N16500E 900N16500E 1000N16500E 1100N16500E 1200N16500E 1300N16500E 1400N16500E 1500N16500E 1600N16500E 1700N16500E 1800N16500E 1900N16500E 2000N16500E 2100N16500E 2200N16500E 2300N16500E 2400N16500E 2500N16500E 2600N16500E 2700N16500E 3100N16000E 3200N16000E 3300N16000E 3400N16000E **3MIL20** 993PQ 3500N16000E 3600N16000E 3700N16000E 3800N16000E 3900N16000E 4000N16000E 4100N16000E 4200N16000E 4300N16000E 4400N16000E 4500N16000E 4600N16000E 4700N16000E 4800N16000E NIPPI UHPP **A812** UHMM **G370** BA **G806** UESO 7200N14500E 7300N14000E 7400N13500E TIGLA 7500N13000E 7600N12500E 7700N12000E 7800N11500E 7900N11000E BESON 8000N10000E 8000N09500E 8000N09000E 8000N08500E 8000N08000E 8000N07500E 8000N07000E 8000N06500E 8000N06000E 8000N05500E 7900N05000E 7800N04500E 7700N04000E 7600N03500E 7500N03000E 7300N02500E HMF **Z203** TRO **M609** STO **Z202** UTH ORL **TB1E** FLE FLS **Z10** ZOL **P603** BUSOM **M604** INBOB GOLVO TINDI **P1** ROKAN ROXAT OKAMA RAMID LEDBO **M604** CLN42 EGLL

10323.76 nm / 19119.60 km



Notes

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: no

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
NZAA	-	-37.01079	0 ft	-	Auckland International
APT	-	174.78733	0 m		
AA	-	-37.00464	400 ft	1	AUCKLAND VOR-DME
VOR	-	174.81364	122 m		
DUGAN	A597	-33.87947	35,000 ft	200	-
FIX	AWY-LO	173.39017	10,668 m		
RUMUS	R599	-29.56106	35,000 ft	270	-
FIX	AWY-LO	171.86083	10,668 m		
SADIM	R599	-25.72639	35,000 ft	239	-
FIX	AWY-LO	170.61383	10,668 m		
NONON	R599	-23.32500	35,000 ft	149	-
FIX	AWY-LO	169.87500	10,668 m		
ELSAX	R599	-19.32667	35,000 ft	250	-
FIX	AWY-LO	168.61667	10,668 m		
ERO	-	-18.81695	35,000 ft	34	-
VOR	-	168.88043	10,668 m		
SHS	3E103	-18.46335	35,000 ft	24	-
VOR	AWY-LO	168.68079	10,668 m		
VLJ	3E103	-17.66222	35,000 ft	54	BAUERFIELD VOR-DME
VOR	AWY-LO	168.24389	10,668 m		
KAPNO	B590	-11.32833	35,000 ft	381	-
FIX	AWY-LO	167.73167	10,668 m		
ATIBA	B590	-3.73333	35,000 ft	457	-
FIX	AWY-LO	167.18333	10,668 m		
NI	B590	-0.54333	35,000 ft	192	NAURU VOR-DME
VOR	AWY-LO	166.92167	10,668 m		
MUBIT	G223	3.50000	35,000 ft	277	-
FIX	AWY-LO	164.66833	10,668 m		
500N16500E	-	5.00000	35,000 ft	92	-
LATLON	-	165.00000	10,668 m		
600N16500E	-	6.00000	35,000 ft	60	-
LATLON	-	165.00000	10,668 m		
700N16500E	-	7.00000	35,000 ft	60	-
LATLON	-	165.00000	10,668 m		
800N16500E	-	8.00000	35,000 ft	60	-
LATLON	-	165.00000	10,668 m		
900N16500E	-	9.00000	35,000 ft	60	-
LATLON	-	165.00000	10,668 m		
1000N16500E	-	10.00000	35,000 ft	60	-
LATLON	-	165.00000	10,668 m		
1100N16500E	-	11.00000	35,000 ft	60	-
LATLON	-	165.00000	10,668 m		
1200N16500E	-	12.00000	35,000 ft	60	-
LATLON	-	165.00000	10,668 m		
1300N16500E	-	13.00000	35,000 ft	60	-
LATLON	-	165.00000	10,668 m		
1400N16500E	-	14.00000	35,000 ft	60	-
LATLON	-	165.00000	10,668 m		
1500N16500E	-	15.00000	35,000 ft	60	-
LATLON	-	165.00000	10,668 m		
1600N16500E	-	16.00000	35,000 ft	60	-
LATLON	-	165.00000	10,668 m		
1700N16500E	-	17.00000	35,000 ft	60	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	165.00000	10,668 m		
1800N16500E	-	18.00000	35,000 ft	60	-
LATLON	-	165.00000	10,668 m		
1900N16500E	-	19.00000	35,000 ft	60	-
LATLON	-	165.00000	10,668 m		
2000N16500E	-	20.00000	35,000 ft	60	-
LATLON	-	165.00000	10,668 m		
2100N16500E	-	21.00000	35,000 ft	60	-
LATLON	-	165.00000	10,668 m		
2200N16500E	-	22.00000	35,000 ft	60	-
LATLON	-	165.00000	10,668 m		
2300N16500E	-	23.00000	35,000 ft	60	-
LATLON	-	165.00000	10,668 m		
2400N16500E	-	24.00000	35,000 ft	60	-
LATLON	-	165.00000	10,668 m		
2500N16500E	-	25.00000	35,000 ft	60	-
LATLON	-	165.00000	10,668 m		
2600N16500E	-	26.00000	35,000 ft	60	-
LATLON	-	165.00000	10,668 m		
2700N16500E	-	27.00000	35,000 ft	60	-
LATLON	-	165.00000	10,668 m		
3100N16000E	-	31.00000	35,000 ft	355	-
LATLON	-	160.00000	10,668 m		
3200N16000E	-	32.00000	35,000 ft	60	-
LATLON	-	160.00000	10,668 m		
3300N16000E	-	33.00000	35,000 ft	60	-
LATLON	-	160.00000	10,668 m		
3400N16000E	-	34.00000	35,000 ft	60	-
LATLON	-	160.00000	10,668 m		
993PQ	3MIL20	34.58333	35,000 ft	35	-
FIX	AWY-LO	160.00000	10,668 m		
3500N16000E	-	35.00000	35,000 ft	25	-
LATLON	-	160.00000	10,668 m		
3600N16000E	-	36.00000	35,000 ft	60	-
LATLON	-	160.00000	10,668 m		
3700N16000E	-	37.00000	35,000 ft	60	-
LATLON	-	160.00000	10,668 m		
3800N16000E	-	38.00000	35,000 ft	60	-
LATLON	-	160.00000	10,668 m		
3900N16000E	-	39.00000	35,000 ft	60	-
LATLON	-	160.00000	10,668 m		
4000N16000E	-	40.00000	35,000 ft	60	-
LATLON	-	160.00000	10,668 m		
4100N16000E	-	41.00000	35,000 ft	60	-
LATLON	-	160.00000	10,668 m		
4200N16000E	-	42.00000	35,000 ft	60	-
LATLON	-	160.00000	10,668 m		
4300N16000E	-	43.00000	35,000 ft	60	-
LATLON	-	160.00000	10,668 m		
4400N16000E	-	44.00000	35,000 ft	60	-
LATLON	-	160.00000	10,668 m		
4500N16000E	-	45.00000	35,000 ft	60	-
LATLON	-	160.00000	10,668 m		
4600N16000E	-	46.00000	35,000 ft	60	-
LATLON	-	160.00000	10,668 m		
4700N16000E	-	47.00000	35,000 ft	60	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	160.00000	10,668 m		
4800N16000E	-	48.00000	35,000 ft	60	-
LATLON	-	160.00000	10,668 m		
NIPPI	-	49.71067	35,000 ft	105	-
FIX	-	159.34675	10,668 m		
UHPP	-	53.16789	35,000 ft	210	YELIZOVO
APT	-	158.45367	10,668 m		
BAKEN	A812	53.65972	35,000 ft	33	-
FIX	AWY-LO	157.99250	10,668 m		
NOGLA	A812	56.18028	35,000 ft	176	-
FIX	AWY-LO	155.38694	10,668 m		
VATES	A812	57.79000	35,000 ft	114	-
FIX	AWY-LO	153.50000	10,668 m		
NIKSI	A812	58.57361	35,000 ft	56	-
FIX	AWY-LO	152.51194	10,668 m		
VORON	A812	58.73833	35,000 ft	11	-
FIX	AWY-LO	152.29833	10,668 m		
BUVAK	A812	59.09000	35,000 ft	25	-
FIX	AWY-LO	151.83667	10,668 m		
UHMM	A812	59.91099	35,000 ft	59	Magadan Sokol
APT	AWY-LO	150.72044	10,668 m		
BA	G370	59.67667	35,000 ft	49	-
NDB	AWY-LO	149.14500	10,668 m		
SERGA	G806	63.96500	35,000 ft	258	-
FIX	AWY-LO	148.54333	10,668 m		
KOTEL	G806	68.27167	35,000 ft	259	-
FIX	AWY-LO	147.80333	10,668 m		
OBENI	G806	69.13389	35,000 ft	52	-
FIX	AWY-LO	147.51917	10,668 m		
UESO	G806	70.62455	35,000 ft	89	Chokurdah
APT	AWY-LO	147.89789	10,668 m		
7200N14500E	-	72.00000	35,000 ft	99	-
LATLON	-	145.00000	10,668 m		
7300N14000E	-	73.00000	35,000 ft	108	-
LATLON	-	140.00000	10,668 m		
7400N13500E	-	74.00000	35,000 ft	104	-
LATLON	-	135.00000	10,668 m		
TIGLA	-	74.33417	35,000 ft	53	-
FIX	-	131.97583	10,668 m		
7500N13000E	-	75.00000	35,000 ft	50	-
LATLON	-	130.00000	10,668 m		
7600N12500E	-	76.00000	35,000 ft	96	-
LATLON	-	125.00000	10,668 m		
7700N12000E	-	77.00000	35,000 ft	92	-
LATLON	-	120.00000	10,668 m		
7800N11500E	-	78.00000	35,000 ft	88	-
LATLON	-	115.00000	10,668 m		
7900N11000E	-	79.00000	35,000 ft	84	-
LATLON	-	110.00000	10,668 m		
BESON	-	79.35111	35,000 ft	65	-
FIX	-	104.51694	10,668 m		
8000N10000E	-	80.00000	35,000 ft	62	-
LATLON	-	100.00000	10,668 m		
8000N09500E	-	80.00000	35,000 ft	52	-
LATLON	-	95.00000	10,668 m		
8000N09000E	-	80.00000	35,000 ft	52	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	90.00000	10,668 m		
8000N08500E	-	80.00000	35,000 ft	52	-
LATLON	-	85.00000	10,668 m		
8000N08000E	-	80.00000	35,000 ft	52	-
LATLON	-	80.00000	10,668 m		
8000N07500E	-	80.00000	35,000 ft	52	-
LATLON	-	75.00000	10,668 m		
8000N07000E	-	80.00000	35,000 ft	52	-
LATLON	-	70.00000	10,668 m		
8000N06500E	-	80.00000	35,000 ft	52	-
LATLON	-	65.00000	10,668 m		
8000N06000E	-	80.00000	35,000 ft	52	-
LATLON	-	60.00000	10,668 m		
8000N05500E	-	80.00000	35,000 ft	52	-
LATLON	-	55.00000	10,668 m		
7900N05000E	-	79.00000	35,000 ft	81	-
LATLON	-	50.00000	10,668 m		
7800N04500E	-	78.00000	35,000 ft	84	-
LATLON	-	45.00000	10,668 m		
7700N04000E	-	77.00000	35,000 ft	88	-
LATLON	-	40.00000	10,668 m		
7600N03500E	-	76.00000	35,000 ft	92	-
LATLON	-	35.00000	10,668 m		
7500N03000E	-	75.00000	35,000 ft	96	-
LATLON	-	30.00000	10,668 m		
7300N02500E	-	73.00000	35,000 ft	145	-
LATLON	-	25.00000	10,668 m		
HMF	-	70.70424	35,000 ft	140	HAMMERFEST VOR-DME
VOR	-	23.69074	10,668 m		
GINEK	Z203	70.23250	35,000 ft	54	-
FIX	AWY-LO	21.35056	10,668 m		
BAREG	Z203	69.93556	35,000 ft	32	-
FIX	AWY-LO	20.00000	10,668 m		
TRO	Z203	69.70279	35,000 ft	25	TROMSO VOR-DME
VOR	AWY-LO	18.99675	10,668 m		
ROSKO	M609	69.37028	35,000 ft	25	-
FIX	AWY-LO	18.26222	10,668 m		
SJA	M609	69.16137	35,000 ft	15	SENJA NDB
NDB	AWY-LO	17.81586	10,668 m		
ANDOR	M609	68.90722	35,000 ft	17	-
FIX	AWY-LO	17.39667	10,668 m		
EVD	M609	68.45731	35,000 ft	31	EVENES VOR-DME
VOR	AWY-LO	16.68171	10,668 m		
ULVAK	M609	68.11750	35,000 ft	25	-
FIX	AWY-LO	15.98944	10,668 m		
MISBA	M609	67.57389	35,000 ft	40	-
FIX	AWY-LO	14.93417	10,668 m		
BDO	M609	67.26670	35,000 ft	22	BODO VOR-DME
VOR	AWY-LO	14.36486	10,668 m		
PISUX	M609	66.90111	35,000 ft	25	-
FIX	AWY-LO	13.81056	10,668 m		
STO	M609	65.96042	35,000 ft	65	STOKKA VOR-DME
VOR	AWY-LO	12.46945	10,668 m		
BULIN	Z202	65.31944	35,000 ft	44	-
FIX	AWY-LO	11.58333	10,668 m		
LINTU	Z202	64.38861	35,000 ft	63	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-LO	10.38167	10,668 m		
UTH	Z202	63.72279	35,000 ft	45	UTHAUG NDB
NDB	AWY-LO	9.57778	10,668 m		
ORL	-	63.68109	35,000 ft	2	-
VOR	-	9.62371	10,668 m		
BASTU	TB1E	61.75333	35,000 ft	136	-
FIX	AWY-LO	6.96833	10,668 m		
FLE	TB1E	60.30004	35,000 ft	101	-
VOR	AWY-LO	5.21359	10,668 m		
FLS	-	60.31126	35,000 ft	0	FLESLAND VOR-DME
VOR	-	5.21219	10,668 m		
OKLAN	Z10	59.64917	35,000 ft	40	-
FIX	AWY-LO	5.41417	10,668 m		
ZOL	Z10	58.87506	35,000 ft	47	SOLA VOR-DME
VOR	AWY-LO	5.64015	10,668 m		
KARLI	P603	57.00000	35,000 ft	112	-
FIX	AWY-LO	5.50750	10,668 m		
NAMIK	P603	56.38139	35,000 ft	37	-
FIX	AWY-LO	5.44083	10,668 m		
BUSOM	P603	55.94194	35,000 ft	26	-
FIX	AWY-LO	5.39472	10,668 m		
INBOB	M604	55.60694	35,000 ft	24	-
FIX	AWY-LO	5.00000	10,668 m		
GOLVO	-	54.41139	35,000 ft	86	-
FIX	-	3.58556	10,668 m		
TINDI	-	54.03722	35,000 ft	25	-
FIX	-	3.25806	10,668 m		
ROKAN	P1	53.66333	35,000 ft	22	-
FIX	AWY-LO	3.18889	10,668 m		
ROXAT	-	53.41361	35,000 ft	16	-
FIX	-	3.00000	10,668 m		
OKAMA	-	53.17083	34,400 ft	16	-
FIX	-	2.77278	10,485 m		
RAMID	-	52.95778	30,900 ft	16	-
FIX	-	2.50000	9,418 m		
LEDBO	-	52.54306	24,700 ft	28	-
FIX	-	2.10222	7,529 m		
CLN42	M604	52.36722	22,000 ft	12	-
FIX	AWY-LO	1.91306	6,706 m		
EGLL	-	51.47122	0 ft	103	London Heathrow
APT	-	-0.46098	0 m		

NZAA

Region: NEW ZEALAND AND ANTARCTICA
Timezone: PACIFIC/AUCKLAND
Runways: 1

Elevation: 23 ft / 7 m
Location: -37.008100 174.792000
Magnetic Var: 20.178 E

METAR

NZAA 050200Z AUTO 02007KT 340V080 9999 FEW043/// 19/08 Q1022

TAF

TAF NZAA 042309Z 0500/0606 06010KT 9999 FEW050 BECMG 0508/0510 VRB02KT FM052300 02010KT 9999 -SHRA SCT025 BKN050

Frequencies

REC - 127.80 MHz - ATIS	REC - 127.00 MHz - ATIS
GND - 121.90 MHz - AUCKLAND GROUND	TWR - 118.70 MHz - AUCKLAND TOWER
TWR - 120.95 MHz - AUCKLAND TOWER	CLD - 128.20 MHz - CLEARANCE DELIVERY
APP - 120.10 MHz - AUCKLAND APPROACH	APP - 124.30 MHz - AUCKLAND APPROACH
APP - 129.50 MHz - AUCKLAND APPROACH	APP - 129.60 MHz - AUCKLAND APPROACH

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
05R	151 ft	12,040 ft	70.92	CONCRETE	1,250 ft	0 ft
	46 m	3,670 m	50.75		381 m	0 m
23L	151 ft	12,040 ft	250.90	CONCRETE	0 ft	131 ft
	46 m	3,670 m	230.72		0 m	40 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
05R	DME	IAA	110.30 MHz	18 nm	-	-	23 ft
				33 km	-		23 m
23L	DME	IMG	109.90 MHz	18 nm	-	-	23 ft
				33 km	-		23 m
05R	LOC-ILS	IAA	110.30 MHz	18 nm	70.91	-	23 ft
				33 km	50.73		23 m
23L	LOC-ILS	IMG	109.90 MHz	18 nm	250.91	-	23 ft
				33 km	230.73		23 m
05R	GS	IAA	110.30 MHz	10 nm	70.91	3.00	23 ft
				19 km	50.73		23 m
23L	GS	IMG	109.90 MHz	10 nm	250.91	3.00	23 ft
				19 km	230.73		23 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 050150Z AUTO 00000KT 9999 NCD 08/07 Q1009 NOSIG

TAF

TAF EGLL 042259Z 0500/0606 18006KT 9999 SCT040 BECMG 0500/0503 7000 PROB30 0501/0507 4000 BR BECMG 0505/0508 9999

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