

# EGLL

London Heathrow

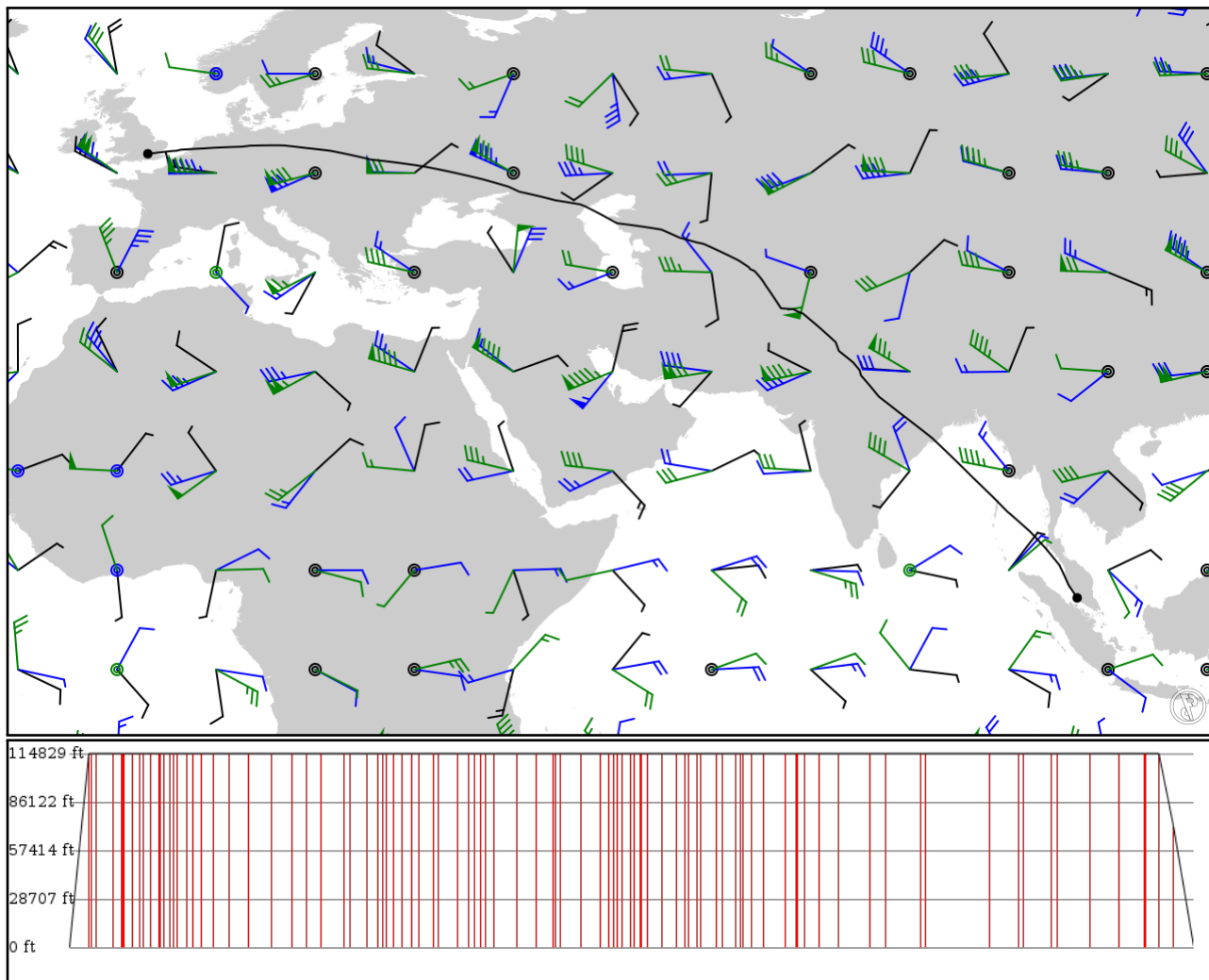
# WMKK

Kuala Lumpur Intl - Sepang

2024/06/05 1131Z

EGLL XAMAN **L980** GORLO **UL480** RKN **G9** OSN **L179** HLZ **UL980** TUVAK **Y208** SUI **UL980** LDZ **L980** USTIL **UA87**  
DORER **UL980** PEKIT **UA83** TAGAN **UL980** TAMAK **G245** BA01 **A87** AKT **B363** KUNAS **B440** UTAT **B712** SOVOD URG  
**A107** KASAN **W82** GR **A466** TRZ **A114** AMDAR **A454** MURAD **A453** RAMSO **A455** KOTAL PS **J161** LA SAMAR **A466**  
ELKUX **W31E** DPN **L760** AGG **L759** PUT **B579** VPG **A457** TEPUS WMKK

5822.35 nm / 10783.00 km



## Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 39000ft
- 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	-	51.47122 -0.46098	0 ft 0 m	-	London Heathrow
XAMAN FIX	-	51.78476 2.22423	35,000 ft 10,668 m	101	-
REFSO FIX	L980 AWY-LO	51.80957 2.66691	35,000 ft 10,668 m	16	-
GORLO FIX	L980 AWY-LO	51.92407 3.17184	35,000 ft 10,668 m	19	-
RENDI FIX	UL480 AWY-HI	52.06167 5.67750	35,000 ft 10,668 m	93	-
RKN VOR	UL480 AWY-HI	52.13320 6.76388	35,000 ft 10,668 m	40	REKKEN VOR-DME
ETEB0 FIX	G9 AWY-LO	52.13833 6.87528	35,000 ft 10,668 m	4	-
AMSAN FIX	G9 AWY-LO	52.15028 7.11139	35,000 ft 10,668 m	8	-
OSN VOR	G9 AWY-LO	52.20014 8.28552	35,000 ft 10,668 m	43	OSNABRUCK VOR
ROBEG FIX	L179 AWY-LO	52.23362 9.26962	35,000 ft 10,668 m	36	-
DLE VOR	L179 AWY-LO	52.25032 9.88350	35,000 ft 10,668 m	22	LEINE VOR-DME
HLZ VOR	L179 AWY-LO	52.36339 10.79522	35,000 ft 10,668 m	34	HEHLINGEN VOR-DME
GALKU FIX	UL980 AWY-HI	52.38944 12.07917	35,000 ft 10,668 m	47	-
SOBLU FIX	UL980 AWY-HI	52.39222 12.27278	35,000 ft 10,668 m	7	-
PENEK FIX	UL980 AWY-HI	52.39583 12.64667	35,000 ft 10,668 m	13	-
ADLIR FIX	UL980 AWY-HI	52.40028 13.62194	35,000 ft 10,668 m	35	-
TUVAK FIX	UL980 AWY-HI	52.39972 14.07083	35,000 ft 10,668 m	16	-
SUI VOR	Y208 AWY-LO	52.37986 14.58560	35,000 ft 10,668 m	18	SUBI VOR-DME
KELOD FIX	UL980 AWY-HI	52.23389 15.88333	35,000 ft 10,668 m	48	-
CZE VOR	UL980 AWY-HI	52.13061 16.72713	35,000 ft 10,668 m	31	CZEMPIN VOR-DME
INDIG FIX	UL980 AWY-HI	51.99667 18.00000	35,000 ft 10,668 m	47	-
LDZ VOR	UL980 AWY-HI	51.80012 19.65615	35,000 ft 10,668 m	62	LODZ VOR-DME
OMAVA FIX	L980 AWY-LO	51.38389 21.68806	35,000 ft 10,668 m	79	-
USTIL FIX	L980 AWY-LO	50.83301 24.09815	35,000 ft 10,668 m	96	-
DORER FIX	UA87 AWY-HI	50.46555 27.20597	35,000 ft 10,668 m	120	-
BEMBI FIX	UL980 AWY-HI	50.07448 29.93129	35,000 ft 10,668 m	107	-
EDIMI	UL980	49.71533	35,000 ft	73	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	31.75910	10,668 m		
PEKIT	UL980	49.31313	35,000 ft	76	-
FIX	AWY-HI	33.61496	10,668 m		
TAGAN	UA83	48.64983	35,000 ft	118	-
FIX	AWY-HI	36.44002	10,668 m		
GANRA	UL980	48.44511	35,000 ft	32	-
FIX	AWY-HI	37.18532	10,668 m		
TAMAK	UL980	47.85652	35,000 ft	88	-
FIX	AWY-HI	39.21675	10,668 m		
BA01	G245	47.31667	35,000 ft	56	-
APT	AWY-LO	40.36667	10,668 m		
PIRUT	A87	47.20167	35,000 ft	22	-
FIX	AWY-LO	40.89333	10,668 m		
SITKI	A87	47.10000	35,000 ft	19	-
FIX	AWY-LO	41.35000	10,668 m		
AMATA	A87	46.88333	35,000 ft	40	-
FIX	AWY-LO	42.28333	10,668 m		
SUKUL	A87	46.64667	35,000 ft	43	-
FIX	AWY-LO	43.27167	10,668 m		
LISMU	A87	46.37333	35,000 ft	46	-
FIX	AWY-LO	44.33167	10,668 m		
PESOT	A87	46.22500	35,000 ft	39	-
FIX	AWY-LO	45.26667	10,668 m		
UP	A87	45.92722	35,000 ft	76	ZENZELI NDB
NDB	AWY-LO	47.06028	10,668 m		
YO	A87	45.71667	35,000 ft	25	BIRYUCHA KOSA NDB
NDB	AWY-LO	47.60000	10,668 m		
AZABI	A87	44.74000	35,000 ft	99	-
FIX	AWY-LO	49.50000	10,668 m		
AMANU	A87	44.18972	35,000 ft	54	-
FIX	AWY-LO	50.51056	10,668 m		
AKT	A87	43.85861	35,000 ft	32	AKTAU VOR-DME
VOR	AWY-LO	51.10194	10,668 m		
LOLNA	B363	43.76750	35,000 ft	32	-
FIX	AWY-LO	51.83694	10,668 m		
NEPIL	B363	43.69250	35,000 ft	25	-
FIX	AWY-LO	52.41528	10,668 m		
MEDOL	B363	43.57361	35,000 ft	38	-
FIX	AWY-LO	53.28306	10,668 m		
KUNAS	B363	43.15667	35,000 ft	121	-
FIX	AWY-LO	56.00000	10,668 m		
TABUN	B440	42.27333	35,000 ft	102	-
FIX	AWY-LO	57.99500	10,668 m		
UTAT	B440	41.76071	35,000 ft	87	DASHOGUZ
APT	AWY-LO	59.83794	10,668 m		
SOVOD	B712	41.70167	35,000 ft	12	-
FIX	AWY-LO	60.11167	10,668 m		
URG	-	41.58333	35,000 ft	25	URGENCH VOR-DME
VOR	-	60.65000	10,668 m		
ZUHRA	A107	40.70000	35,000 ft	102	-
FIX	AWY-LO	62.59167	10,668 m		
UTSB	A107	39.77500	35,000 ft	102	BUKHARA
APT	AWY-LO	64.48333	10,668 m		
TUDLI	A107	39.31000	35,000 ft	43	-
FIX	AWY-LO	65.19500	10,668 m		
KASAN	A107	39.05000	35,000 ft	23	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-LO	65.58500	10,668 m		
UTSK	W82	38.81500	35,000 ft	16	-
APT	AWY-LO	65.77333	10,668 m		
GR	W82	38.61833	35,000 ft	24	GUZAR NDB
NDB	AWY-LO	66.23833	10,668 m		
RATAR	A466	38.02167	35,000 ft	43	-
FIX	AWY-LO	66.76667	10,668 m		
HA	A466	37.68333	35,000 ft	23	SHERABAD NDB
NDB	AWY-LO	67.03333	10,668 m		
TRZ	A466	37.28500	35,000 ft	27	TERMEZ VOR-DME
VOR	AWY-LO	67.30667	10,668 m		
AMDAR	A114	37.20833	35,000 ft	4	-
FIX	AWY-LO	67.34333	10,668 m		
KHOLM	A454	36.71667	35,000 ft	33	-
FIX	AWY-LO	67.68333	10,668 m		
DOSHI	A454	35.60000	35,000 ft	76	-
FIX	AWY-LO	68.44167	10,668 m		
MURAD	A454	34.51667	35,000 ft	73	-
FIX	AWY-LO	69.15000	10,668 m		
MIXEL	A453	34.45529	35,000 ft	46	-
FIX	AWY-LO	70.08185	10,668 m		
RAMSO	A453	34.43000	35,000 ft	19	-
FIX	AWY-LO	70.47500	10,668 m		
KOTAL	A455	34.09972	35,000 ft	38	-
FIX	AWY-LO	71.14944	10,668 m		
PS	-	33.97537	35,000 ft	19	PESHAWAR VOR-DME
VOR	-	71.51716	10,668 m		
BALKA	J161	32.98833	35,000 ft	83	-
FIX	AWY-LO	72.69611	10,668 m		
CADIZ	J161	32.63667	35,000 ft	29	-
FIX	AWY-LO	73.11611	10,668 m		
SARPO	J161	31.81333	35,000 ft	68	-
FIX	AWY-LO	74.04778	10,668 m		
LA	J161	31.49972	35,000 ft	26	LAHORE VOR-DME
VOR	AWY-LO	74.40002	10,668 m		
SAMAR	-	31.34667	35,000 ft	12	-
FIX	-	74.56583	10,668 m		
ASARI	A466	30.80425	35,000 ft	44	-
FIX	AWY-LO	75.15871	10,668 m		
ELKUX	A466	29.84158	35,000 ft	60	-
FIX	AWY-LO	75.51145	10,668 m		
DPN	W31E	28.56672	35,000 ft	112	DELHI VOR-DME
VOR	AWY-LO	77.09486	10,668 m		
ITBAN	L760	27.82872	35,000 ft	55	-
FIX	AWY-LO	77.71321	10,668 m		
GURTI	L760	27.72931	35,000 ft	7	-
FIX	AWY-LO	77.79450	10,668 m		
AGG	L760	27.15075	35,000 ft	35	AGRA VOR-DME
VOR	AWY-LO	77.94753	10,668 m		
NOBOM	L759	26.15028	35,000 ft	76	-
FIX	AWY-LO	78.81519	10,668 m		
KKJ	L759	24.81487	35,000 ft	100	KHAJURAHO VOR-DME
VOR	AWY-LO	79.91868	10,668 m		
IBUDA	L759	23.06728	35,000 ft	161	-
FIX	AWY-LO	82.16481	10,668 m		
OTABA	L759	22.18403	35,000 ft	83	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-LO	83.32300	10,668 m		
BBS	L759	20.24478	35,000 ft	181	BHUBANESHWAR VOR-DME
VOR	AWY-LO	85.81131	10,668 m		
LEMEX	L759	19.90925	35,000 ft	28	-
FIX	AWY-LO	86.15600	10,668 m		
MABUR	L759	16.01667	35,000 ft	327	-
FIX	AWY-LO	90.16833	10,668 m		
LIBDI	L759	14.25142	35,000 ft	149	-
FIX	AWY-LO	91.99703	10,668 m		
NISUN	L759	13.93478	35,000 ft	27	-
FIX	AWY-LO	92.33033	10,668 m		
LADER	L759	12.20000	35,000 ft	144	-
FIX	AWY-LO	94.04167	10,668 m		
MIPAK	L759	11.89194	35,000 ft	28	-
FIX	AWY-LO	94.41667	10,668 m		
TAVUN	L759	10.00000	35,000 ft	169	-
FIX	AWY-LO	96.55333	10,668 m		
PUT	L759	8.11523	35,000 ft	153	PHUKET VOR-DME
VOR	AWY-LO	98.30630	10,668 m		
DALAN	B579	6.46889	35,000 ft	127	-
FIX	AWY-LO	99.65556	10,668 m		
VPL	B579	6.35542	35,000 ft	8	LANGKAWI VOR-DME
VOR	AWY-LO	99.74739	10,668 m		
VPG	B579	5.27964	35,000 ft	71	PENANG VOR-DME
VOR	AWY-LO	100.26039	10,668 m		
TEPUS	A457	4.17028	22,000 ft	73	-
FIX	AWY-LO	100.75917	6,706 m		
WMKK	-	2.74558	0 ft	102	Kuala Lumpur Intl - Sepang
APT	-	101.70991	0 m		

## EGLL

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

Elevation: 83 ft / 25 m  
Location: 51.471200 -0.460881  
Magnetic Var: 0.388 E

## METAR

EGLL 051120Z AUTO 27012KT 240V310 9999 NCD 16/02 Q1014

## TAF

TAF EGLL 050458Z 0506/0612 29007KT 9999 FEW045

## 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	89.27		307 m	0 m
27R	164 ft	12,770 ft	269.70	ASPHALT	0 ft	177 ft
	50 m	3,892 m	269.32		0 m	54 m
09R	164 ft	11,975 ft	89.68	ASPHALT	1,004 ft	0 ft
	50 m	3,650 m	89.29		306 m	0 m
27L	164 ft	11,975 ft	269.72	ASPHALT	0 ft	95 ft
	50 m	3,650 m	269.33		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	89.29		83 m
09R	LOC-ILS	IBB	109.50 MHz	18 nm	89.70	-	83 ft
				33 km	89.31		83 m
27L	LOC-ILS	ILL	109.50 MHz	18 nm	269.70	-	83 ft
				33 km	269.31		83 m
27R	LOC-ILS	IRR	110.30 MHz	18 nm	269.68	-	83 ft
				33 km	269.29		83 m
09L	GS	IAA	110.30 MHz	10 nm	89.68	3.00	83 ft
				19 km	89.29		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	89.31		83 m
27L	GS	ILL	109.50 MHz	10 nm	269.70	3.00	83 ft
				19 km	269.31		83 m
27R	GS	IRR	110.30 MHz	10 nm	269.68	3.00	83 ft
				19 km	269.29		83 m



## WMKK

Region: MALAYSIA (PENINSULAR MALAYSIA)  
Timezone: ASIA/KUALA\_LUMPUR  
Runways: 3

Elevation: 68 ft / 21 m  
Location: 2.738340 101.702000  
Magnetic Var: 0.057 E

## METAR

WMKK 051100Z VRB02KT 9000 FEW017CB 30/26 Q1008 RETS NOSIG

## TAF

TAF WMKK 050500Z 0506/0612 VRB03KT 9999 FEW018 TEMPO 0507/0512 5000 TSRA FEW017CB SCT018

## Frequencies

APP - 118.65 MHz - LUMPUR RADAR	APP - 121.25 MHz - LUMPUR RADAR
APP - 124.20 MHz - LUMPUR RADAR	APP - 125.80 MHz - LUMPUR RADAR
APP - 119.45 MHz - LUMPUR RADAR	APP - 120.35 MHz - LUMPUR RADAR
APP - 124.65 MHz - LUMPUR RADAR	APP - 125.10 MHz - LUMPUR RADAR
APP - 135.75 MHz - LUMPUR RADAR	DEP - 135.25 MHz - LUMPUR DEPARTURE
TWR - 118.80 MHz - LUMPUR TOWER	TWR - 118.50 MHz - LUMPUR TOWER
TWR - 119.80 MHz - LUMPUR TOWER	GND - 121.65 MHz - LUMPUR GROUND
GND - 121.80 MHz - LUMPUR GROUND	GND - 122.52 MHz - LUMPUR GROUND
GND - 118.05 MHz - LUMPUR GROUND	GND - 122.15 MHz - LUMPUR GROUND
GND - 122.85 MHz - LUMPUR GROUND	GND - 122.27 MHz - LUMPUR GROUND
GND - 123.25 MHz - LUMPUR GROUND	GND - 121.72 MHz - LUMPUR GROUND
GND - 122.55 MHz - LUMPUR GROUND	GND - 130.75 MHz - LUMPUR GROUND
CLD - 126.00 MHz - LUMPUR DELIVERY	REC - 126.45 MHz - LUMPUR TERMINAL INFORMATION
REC - 128.05 MHz - LUMPUR TERMINAL INFORMATION	

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
15	197 ft	13,034 ft	146.21	ASPHALT	0 ft	390 ft
	60 m	3,973 m	146.16		0 m	119 m
33	197 ft	13,034 ft	326.21	ASPHALT	0 ft	394 ft
	60 m	3,973 m	326.16		0 m	120 m
14L	197 ft	13,248 ft	146.20	ASPHALT	0 ft	384 ft
	60 m	4,038 m	146.14		0 m	117 m
32R	197 ft	13,248 ft	326.20	ASPHALT	0 ft	0 ft
	60 m	4,038 m	326.14		0 m	0 m
14R	197 ft	13,185 ft	146.21	ASPHALT	0 ft	0 ft
	60 m	4,019 m	146.16		0 m	0 m
32L	197 ft	13,185 ft	326.21	ASPHALT	0 ft	390 ft
	60 m	4,019 m	326.16		0 m	119 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
15	DME	IWK	110.10 MHz	18 nm	-	-	-1 ft
				33 km	-		-1 m
33	DME	IWM	111.50 MHz	18 nm	-	-	-1 ft
				33 km	-		-1 m
14L	DME	IEL	108.50 MHz	18 nm	-	-	59 ft
				33 km	-		59 m
14R	DME	IWR	110.70 MHz	18 nm	-	-	78 ft

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
				33 km	-		78 m
32L	DME	IWL	111.90 MHz	18 nm	-	-	81 ft
				33 km	-		81 m
32R	DME	IER	109.10 MHz	18 nm	-	-	70 ft
				33 km	-		70 m
14L	LOC-ILS	IEL	108.50 MHz	18 nm	146.20	-	68 ft
				33 km	146.14		68 m
14R	LOC-ILS	IWR	110.70 MHz	18 nm	146.21	-	68 ft
				33 km	146.15		68 m
15	LOC-ILS	IWK	110.10 MHz	18 nm	146.21	-	68 ft
				33 km	146.15		68 m
32L	LOC-ILS	IWL	111.90 MHz	18 nm	326.21	-	68 ft
				33 km	326.15		68 m
32R	LOC-ILS	IER	109.10 MHz	18 nm	326.20	-	68 ft
				33 km	326.14		68 m
33	LOC-ILS	IWM	111.50 MHz	18 nm	326.21	-	68 ft
				33 km	326.15		68 m
14L	GS	IEL	108.50 MHz	10 nm	146.20	3.00	68 ft
				19 km	146.14		68 m
14R	GS	IWR	110.70 MHz	10 nm	146.21	3.00	68 ft
				19 km	146.15		68 m
15	GS	IWK	110.10 MHz	10 nm	146.21	3.00	68 ft
				19 km	146.15		68 m
32L	GS	IWL	111.90 MHz	10 nm	326.21	3.00	68 ft
				19 km	326.15		68 m
32R	GS	IER	109.10 MHz	10 nm	326.20	3.00	68 ft
				19 km	326.14		68 m
33	GS	IWM	111.50 MHz	10 nm	326.21	3.00	68 ft
				19 km	326.15		68 m