

# KIAD

Washington Dulles Intl

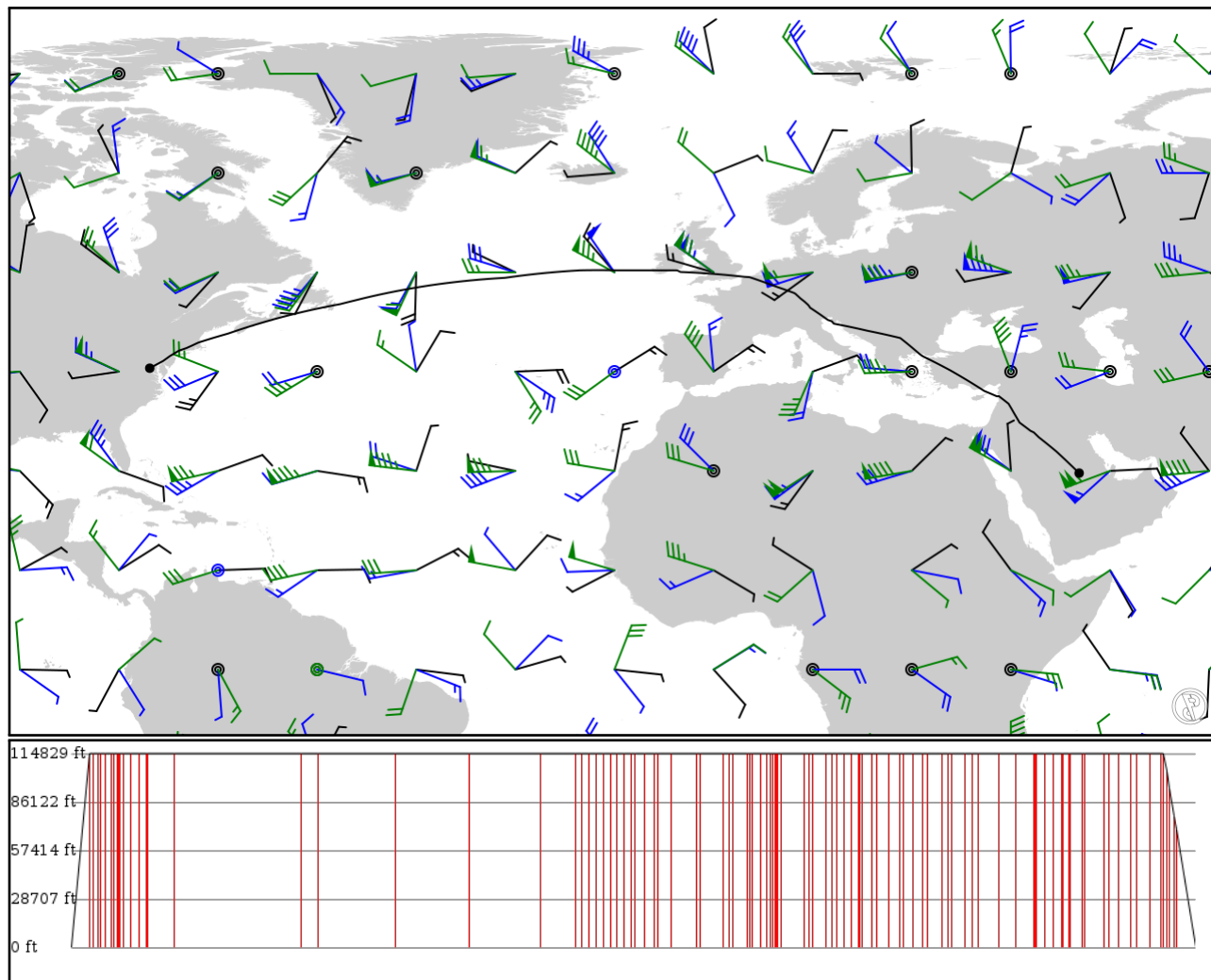
# OERK

King Khalid Intl

2024/05/05 0303Z

KIAD MXE **J75** CMK **V3** HFD **J42** BOS **J575** TUSKY **N201B** NISVA **S** 50/40 **U** 51/30 **T** XETBO 5200N01300W  
5200N01200W 5200N01100W 5200N01000W 5200N0900W 5200N0800W 5200N0700W EVRIN **UL607** KOK **UM150** UTABA  
**UL607** ELMEM **UN606** OTRES **UT307** DIRAB **T307** BABAG VRS **P28** PUL **L614** NISVA **N131** RODIP **UN131** BELGI **UT38**  
VESAR **UL619** NIKAS **R785** ZELAF **UR785** RASLI **P559** GADLI **UT503** GOBMO OERK

5952.32 nm / 11023.70 km



## Notes

Using NAT tracks from 21/12/2021

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
KIAD APT	-	38.94770 -77.46090	0 ft 0 m	-	Washington Dulles Intl
MXE VOR	-	39.91800 -75.67080	35,000 ft 10,668 m	101	MODENA
COPES FIX	J75 AWY-HI	40.13070 -75.37680	35,000 ft 10,668 m	18	-
BIGGY FIX	J75 AWY-HI	40.41970 -74.97270	35,000 ft 10,668 m	25	-
SBJ VOR	J75 AWY-HI	40.58300 -74.74180	35,000 ft 10,668 m	14	SOLBERG
JERSY FIX	J75 AWY-HI	40.79140 -74.39940	35,000 ft 10,668 m	19	-
DUEYS FIX	J75 AWY-HI	41.15260 -73.79680	35,000 ft 10,668 m	34	-
CMK VOR	J75 AWY-HI	41.28010 -73.58130	35,000 ft 10,668 m	12	CARMEL
RACEY FIX	V3 AWY-LO	41.41690 -73.19390	35,000 ft 10,668 m	19	-
SORRY FIX	V3 AWY-LO	41.47860 -73.01740	35,000 ft 10,668 m	8	-
YALER FIX	V3 AWY-LO	41.51570 -72.91090	35,000 ft 10,668 m	5	-
HFD VOR	V3 AWY-LO	41.64110 -72.54740	35,000 ft 10,668 m	17	HARTFORD
PUT VOR	J42 AWY-HI	41.95550 -71.84410	35,000 ft 10,668 m	36	PUTNAM
BOS VOR	J42 AWY-HI	42.35740 -70.98950	35,000 ft 10,668 m	45	BOSTON
SCUPP FIX	J575 AWY-HI	42.60310 -70.23040	35,000 ft 10,668 m	36	-
CANAL FIX	J575 AWY-HI	42.66900 -70.02270	35,000 ft 10,668 m	9	-
TUSKY FIX	J575 AWY-HI	43.56500 -67.00000	35,000 ft 10,668 m	143	-
NICSO FIX	N201B AWY-HI	47.50000 -52.00000	35,000 ft 10,668 m	672	-
48/50 LATLON	S NAT	48.00000 -50.00000	35,000 ft 10,668 m	86	-
50/40 LATLON	S NAT	50.00000 -40.00000	35,000 ft 10,668 m	411	-
51/30 LATLON	U NAT	51.00000 -30.00000	35,000 ft 10,668 m	386	-
52/20 LATLON	T NAT	52.00000 -20.00000	35,000 ft 10,668 m	378	-
LIMRI FIX	T NAT	52.00000 -15.00000	35,000 ft 10,668 m	184	-
XETBO FIX	T NAT	52.00000 -14.00000	35,000 ft 10,668 m	36	-
5200N01300W LATLON	- -	52.00000 -13.00000	35,000 ft 10,668 m	36	-
5200N01200W LATLON	- -	52.00000 -12.00000	35,000 ft 10,668 m	36	-
5200N01100W	-	52.00000	35,000 ft	36	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-11.00000	10,668 m		
5200N01000W	-	52.00000	35,000 ft	36	-
LATLON	-	-10.00000	10,668 m		
5200N0900W	-	52.00000	35,000 ft	36	-
LATLON	-	-9.00000	10,668 m		
5200N0800W	-	52.00000	35,000 ft	36	-
LATLON	-	-8.00000	10,668 m		
5200N0700W	-	52.00000	35,000 ft	36	-
LATLON	-	-7.00000	10,668 m		
EVRIIN	-	51.78220	35,000 ft	20	-
FIX	-	-6.56333	10,668 m		
NEKAP	UL607	51.72640	35,000 ft	47	-
FIX	AWY-HI	-5.29056	10,668 m		
ABDUK	UL607	51.64280	35,000 ft	55	-
FIX	AWY-HI	-3.80028	10,668 m		
NUMPO	UL607	51.61000	35,000 ft	19	-
FIX	AWY-HI	-3.28361	10,668 m		
INLAK	UL607	51.47810	35,000 ft	66	-
FIX	AWY-HI	-1.52417	10,668 m		
KONAN	UL607	51.13080	35,000 ft	133	-
FIX	AWY-HI	2.00000	10,668 m		
KOK	UL607	51.09470	35,000 ft	24	KOKSY
VOR	AWY-HI	2.65167	10,668 m		
KOMOB	UM150	50.14390	35,000 ft	118	-
FIX	AWY-HI	5.37361	10,668 m		
DIK	UM150	49.86130	35,000 ft	33	DIEKIRCH
VOR	AWY-HI	6.12975	10,668 m		
PITES	UM150	49.72860	35,000 ft	17	-
FIX	AWY-HI	6.51936	10,668 m		
GEBDA	UM150	49.10250	35,000 ft	78	-
FIX	AWY-HI	8.28750	10,668 m		
KRH	UM150	48.99290	35,000 ft	13	KARLSRUHE
VOR	AWY-HI	8.58424	10,668 m		
LAMGO	UM150	48.88580	35,000 ft	10	-
FIX	AWY-HI	8.77917	10,668 m		
UTABA	UM150	48.25500	35,000 ft	46	-
FIX	AWY-HI	9.46167	10,668 m		
MOMUK	UL607	47.83860	35,000 ft	32	-
FIX	AWY-HI	9.99694	10,668 m		
BEMKI	UL607	47.55940	35,000 ft	20	-
FIX	AWY-HI	10.30560	10,668 m		
XEBIX	UL607	47.40000	35,000 ft	11	-
FIX	AWY-HI	10.47990	10,668 m		
ELMEM	UL607	47.28560	35,000 ft	7	-
FIX	AWY-HI	10.57070	10,668 m		
BILDU	UN606	47.17040	35,000 ft	7	-
FIX	AWY-HI	10.66180	10,668 m		
OTRES	UN606	47.02350	35,000 ft	9	-
FIX	AWY-HI	10.74240	10,668 m		
DIRAB	UT307	46.81370	35,000 ft	18	-
FIX	AWY-HI	11.06230	10,668 m		
BABAG	T307	45.38690	35,000 ft	121	-
FIX	AWY-HI	13.12690	10,668 m		
VRS	-	45.21020	35,000 ft	24	VRSAR
NDB	-	13.64900	10,668 m		
PUL	P28	44.89240	35,000 ft	22	PULA

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
VOR	AWY-LO	13.91810	10,668 m		
PALEZ	L614	44.57500	35,000 ft	71	-
FIX	AWY-LO	15.53310	10,668 m		
SONIK	L614	44.44830	35,000 ft	27	-
FIX	AWY-LO	16.14330	10,668 m		
ELTIB	L614	44.30360	35,000 ft	30	-
FIX	AWY-LO	16.81640	10,668 m		
SOLGU	L614	44.11580	35,000 ft	38	-
FIX	AWY-LO	17.66140	10,668 m		
KEB	L614	43.93390	35,000 ft	35	SARAJEVO
VOR	AWY-LO	18.44980	10,668 m		
MITNO	L614	43.77330	35,000 ft	35	-
FIX	AWY-LO	19.24170	10,668 m		
PESAK	L614	43.71860	35,000 ft	11	-
FIX	AWY-LO	19.50420	10,668 m		
TORTO	L614	43.67090	35,000 ft	10	-
FIX	AWY-LO	19.73130	10,668 m		
RAMAP	L614	43.41840	35,000 ft	52	-
FIX	AWY-LO	20.89110	10,668 m		
GINAM	L614	43.30860	35,000 ft	22	-
FIX	AWY-LO	21.37640	10,668 m		
NISVA	L614	42.97280	35,000 ft	65	-
FIX	AWY-LO	22.79750	10,668 m		
USALI	N131	42.30190	35,000 ft	55	-
FIX	AWY-HI	23.64560	10,668 m		
OTKOK	N131	41.99940	35,000 ft	24	-
FIX	AWY-HI	24.01250	10,668 m		
RODIP	N131	41.42080	35,000 ft	46	-
FIX	AWY-HI	24.70110	10,668 m		
IDILO	UN131	40.79060	35,000 ft	50	-
FIX	AWY-HI	25.43940	10,668 m		
BELGI	UN131	40.50000	35,000 ft	26	-
FIX	AWY-HI	25.88330	10,668 m		
KONEN	UT38	39.81170	35,000 ft	76	-
FIX	AWY-HI	27.27720	10,668 m		
ATKAN	UT38	39.52000	35,000 ft	31	-
FIX	AWY-HI	27.84940	10,668 m		
KUDAK	UT38	39.29890	35,000 ft	23	-
FIX	AWY-HI	28.27670	10,668 m		
TUMER	UT38	38.66560	35,000 ft	67	-
FIX	AWY-HI	29.47030	10,668 m		
RESLI	UT38	38.29440	35,000 ft	37	-
FIX	AWY-HI	30.11970	10,668 m		
LEMDA	UT38	37.98220	35,000 ft	31	-
FIX	AWY-HI	30.65690	10,668 m		
KETEK	UT38	36.88780	35,000 ft	108	-
FIX	AWY-HI	32.47830	10,668 m		
VESAR	UT38	35.91560	35,000 ft	94	-
FIX	AWY-HI	34.01610	10,668 m		
NIKAS	UL619	35.19330	35,000 ft	93	-
FIX	AWY-HI	35.71670	10,668 m		
07BAN	R785	35.20780	35,000 ft	5	-
FIX	AWY-HI	35.82110	10,668 m		
BAN	R785	35.22830	35,000 ft	6	BANIAS
NDB	AWY-HI	35.95790	10,668 m		
BRAVO	R785	34.69300	35,000 ft	46	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	36.65300	10,668 m		
KTN	R785	34.21330	35,000 ft	41	KARIATAIN
VOR	AWY-HI	37.26420	10,668 m		
BASEM	R785	33.56030	35,000 ft	43	-
FIX	AWY-HI	37.65190	10,668 m		
ABBAS	R785	33.43330	35,000 ft	8	-
FIX	AWY-HI	37.72500	10,668 m		
ZELAF	R785	32.94890	35,000 ft	32	-
FIX	AWY-HI	37.99980	10,668 m		
KAREM	UR785	32.85290	35,000 ft	6	-
FIX	AWY-HI	38.05680	10,668 m		
RASLI	UR785	31.90670	35,000 ft	63	-
FIX	AWY-HI	38.61330	10,668 m		
TOMDA	P559	31.69330	35,000 ft	14	-
FIX	AWY-HI	38.73470	10,668 m		
KAVID	P559	30.59780	35,000 ft	99	-
FIX	AWY-HI	40.19640	10,668 m		
GADLI	P559	30.38670	35,000 ft	26	-
FIX	AWY-HI	40.63920	10,668 m		
PAXAN	UT503	29.73830	35,000 ft	52	-
FIX	AWY-HI	41.30920	10,668 m		
ORSAL	UT503	29.04310	35,000 ft	62	-
FIX	AWY-HI	42.18530	10,668 m		
TAMRO	UT503	28.64390	35,000 ft	35	-
FIX	AWY-HI	42.67970	10,668 m		
TOTAD	UT503	27.84530	35,000 ft	70	-
FIX	AWY-HI	43.65110	10,668 m		
PASIT	UT503	27.16970	35,000 ft	56	-
FIX	AWY-HI	44.38140	10,668 m		
RARLO	UT503	26.99420	35,000 ft	14	-
FIX	AWY-HI	44.56940	10,668 m		
SERPU	UT503	26.76890	31,900 ft	18	-
FIX	AWY-HI	44.80920	9,723 m		
ASVUL	UT503	26.59220	28,800 ft	14	-
FIX	AWY-HI	44.99580	8,778 m		
LABIS	UT503	26.30420	23,700 ft	23	-
FIX	AWY-HI	45.29860	7,224 m		
GOBMO	UT503	26.17030	21,300 ft	11	-
FIX	AWY-HI	45.43860	6,492 m		
OERK	-	24.95740	0 ft	99	King Khalid Intl
APT	-	46.69880	0 m		

## KIAD

Region: UNITED STATES  
Timezone: AMERICA/NEW\_YORK  
Runways: 4

Elevation: 312 ft / 95 m  
Location: 38.947700 -77.460900  
Magnetic Var: 10.663 W

## METAR

KIAD 050152Z 09003KT 2 1/2SM BR BKN007 OVC013 12/11 A3022 RMK A02 SLP235 T01170106

## TAF

TAF KIAD 042329Z 0500/0606 10008KT 4SM BR BKN008 OVC011 FM050100 11007KT 4SM BR SCT004 OVC006 FM050500 10007KT 3SM

## Frequencies

COM - 122.95 MHz - UNICOM	REC - 134.85 MHz - D-ATIS
CLD - 135.70 MHz - CLEARANCE DELIVERY	GND - 121.62 MHz - DULLES GROUND
GND - 121.90 MHz - DULLES GROUND	TWR - 120.10 MHz - DULLES TOWER
TWR - 120.25 MHz - DULLES TOWER	TWR - 134.42 MHz - DULLES TOWER
APP - 120.45 MHz - POTOMAC APPROACH	APP - 126.10 MHz - POTOMAC APPROACH
APP - 128.52 MHz - POTOMAC APPROACH	DEP - 126.65 MHz - POTOMAC DEPARTURE
DEP - 125.05 MHz - POTOMAC DEPARTURE	

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
01L	151 ft	9,408 ft	0.64	CONCRETE	0 ft	404 ft
	46 m	2,868 m	11.30		0 m	123 m
19R	151 ft	9,408 ft	180.64	CONCRETE	0 ft	404 ft
	46 m	2,868 m	191.30		0 m	123 m
01C	151 ft	11,510 ft	0.65	CONCRETE	0 ft	407 ft
	46 m	3,508 m	11.31		0 m	124 m
19C	151 ft	11,510 ft	180.65	CONCRETE	0 ft	43 ft
	46 m	3,508 m	191.31		0 m	13 m
01R	151 ft	11,510 ft	0.66	CONCRETE	0 ft	43 ft
	46 m	3,508 m	11.33		0 m	13 m
19L	151 ft	11,510 ft	180.66	CONCRETE	0 ft	387 ft
	46 m	3,508 m	191.33		0 m	118 m
12	151 ft	10,513 ft	110.71	CONCRETE	0 ft	20 ft
	46 m	3,204 m	121.37		0 m	6 m
30	151 ft	10,513 ft	290.73	CONCRETE	0 ft	387 ft
	46 m	3,204 m	301.39		0 m	118 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
01R	DME	IIAD	110.10 MHz	18 nm	-	-	314 ft
				33 km	-		314 m
19L	DME	ISGC	110.10 MHz	18 nm	-	-	314 ft
				33 km	-		314 m
19R	DME	IISU	110.75 MHz	18 nm	-	-	313 ft
				33 km	-		313 m
01C	LOC-ILS	IOSZ	111.30 MHz	18 nm	0.65	-	312 ft
				33 km	11.31		312 m
01R	LOC-ILS	IIAD	110.10 MHz	18 nm	0.67	-	312 ft
				33 km	11.33		312 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
12	LOC-ILS	IAJU	109.30 MHz	18 nm	110.74	-	312 ft
				33 km	121.40		312 m
19C	LOC-ILS	IDLX	111.30 MHz	18 nm	180.65	-	312 ft
				33 km	191.31		312 m
19L	LOC-ILS	ISGC	110.10 MHz	18 nm	180.67	-	312 ft
				33 km	191.33		312 m
19R	LOC-ILS	IISU	110.75 MHz	18 nm	180.58	-	312 ft
				33 km	191.24		312 m
01L	LOC-ILS	IOIU	110.75 MHz	18 nm	0.58	-	312 ft
				33 km	11.24		312 m
01C	GS	IOSZ	111.30 MHz	10 nm	0.65	3.00	312 ft
				19 km	11.31		312 m
01R	GS	IIAD	110.10 MHz	10 nm	0.67	3.00	312 ft
				19 km	11.33		312 m
12	GS	IAJU	109.30 MHz	10 nm	110.74	3.00	312 ft
				19 km	121.40		312 m
19C	GS	IDLX	111.30 MHz	10 nm	180.65	3.00	312 ft
				19 km	191.31		312 m
19L	GS	ISGC	110.10 MHz	10 nm	180.67	3.00	312 ft
				19 km	191.33		312 m
19R	GS	IISU	110.75 MHz	10 nm	180.58	3.00	312 ft
				19 km	191.24		312 m
01L	GS	IOIU	110.75 MHz	10 nm	0.58	3.00	312 ft
				19 km	11.24		312 m



## OERK

Region: SAUDI ARABIA  
Timezone: ASIA/RIYADH  
Runways: 2

Elevation: 2,048 ft / 624 m  
Location: 24.957400 46.698800  
Magnetic Var: 3.351 E

## METAR

OERK 050200Z 11003KT CAVOK 23/07 Q1013 NOSIG

## TAF

TAF OERK 042300Z 0500/0606 13005KT CAVOK BECMG 0506/0508 15014KT 7000 FEW040 TEMPO 0512/0520 4000 BLDU FEW035CB

## Frequencies

REC - 113.30 MHz - ATIS	CLD - 121.80 MHz - CLEARANCE DELIVERY
GND - 121.70 MHz - GROUND	GND - 121.60 MHz - GROUND
TWR - 118.60 MHz - TOWER	TWR - 118.80 MHz - TOWER
APP - 124.10 MHz - RIYADH APPROACH	APP - 120.00 MHz - RIYADH APPROACH

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
15R	197 ft	13,809 ft	150.17	CONCRETE	0 ft	387 ft
	60 m	4,209 m	146.82		0 m	118 m
33L	197 ft	13,809 ft	330.18	CONCRETE	0 ft	384 ft
	60 m	4,209 m	326.82		0 m	117 m
15L	197 ft	13,809 ft	150.18	CONCRETE	0 ft	390 ft
	60 m	4,209 m	146.83		0 m	119 m
33R	197 ft	13,809 ft	330.19	CONCRETE	0 ft	390 ft
	60 m	4,209 m	326.84		0 m	119 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
15L	DME	IELF	109.50 MHz	18 nm	-	-	2,049 ft
				33 km	-		2,049 m
15R	DME	ITIH	110.50 MHz	18 nm	-	-	2,047 ft
				33 km	-		2,047 m
33L	DME	IFAT	110.10 MHz	18 nm	-	-	2,023 ft
				33 km	-		2,023 m
33R	DME	IKIA	109.10 MHz	18 nm	-	-	2,049 ft
				33 km	-		2,049 m
15L	LOC-ILS	IELF	109.50 MHz	18 nm	150.18	-	2,049 ft
				33 km	146.83		2,049 m
15R	LOC-ILS	ITIH	110.50 MHz	18 nm	150.17	-	2,046 ft
				33 km	146.82		2,046 m
33L	LOC-ILS	IFAT	110.10 MHz	18 nm	330.16	-	2,049 ft
				33 km	326.81		2,049 m
33R	LOC-ILS	IKIA	109.10 MHz	18 nm	330.18	-	2,049 ft
				33 km	326.83		2,049 m
15L	GS	IELF	109.50 MHz	10 nm	150.35	3.00	2,033 ft
				19 km	147.00		2,033 m
15R	GS	ITIH	110.50 MHz	10 nm	150.33	3.00	2,047 ft
				19 km	146.98		2,047 m
33L	GS	IFAT	110.10 MHz	10 nm	330.33	3.00	2,023 ft
				19 km	326.98		2,023 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
33R	GS	IKIA	109.10 MHz	10 nm	330.35	3.00	2,023 ft
				19 km	327.00		2,023 m