

EDDF

Frankfurt am Main

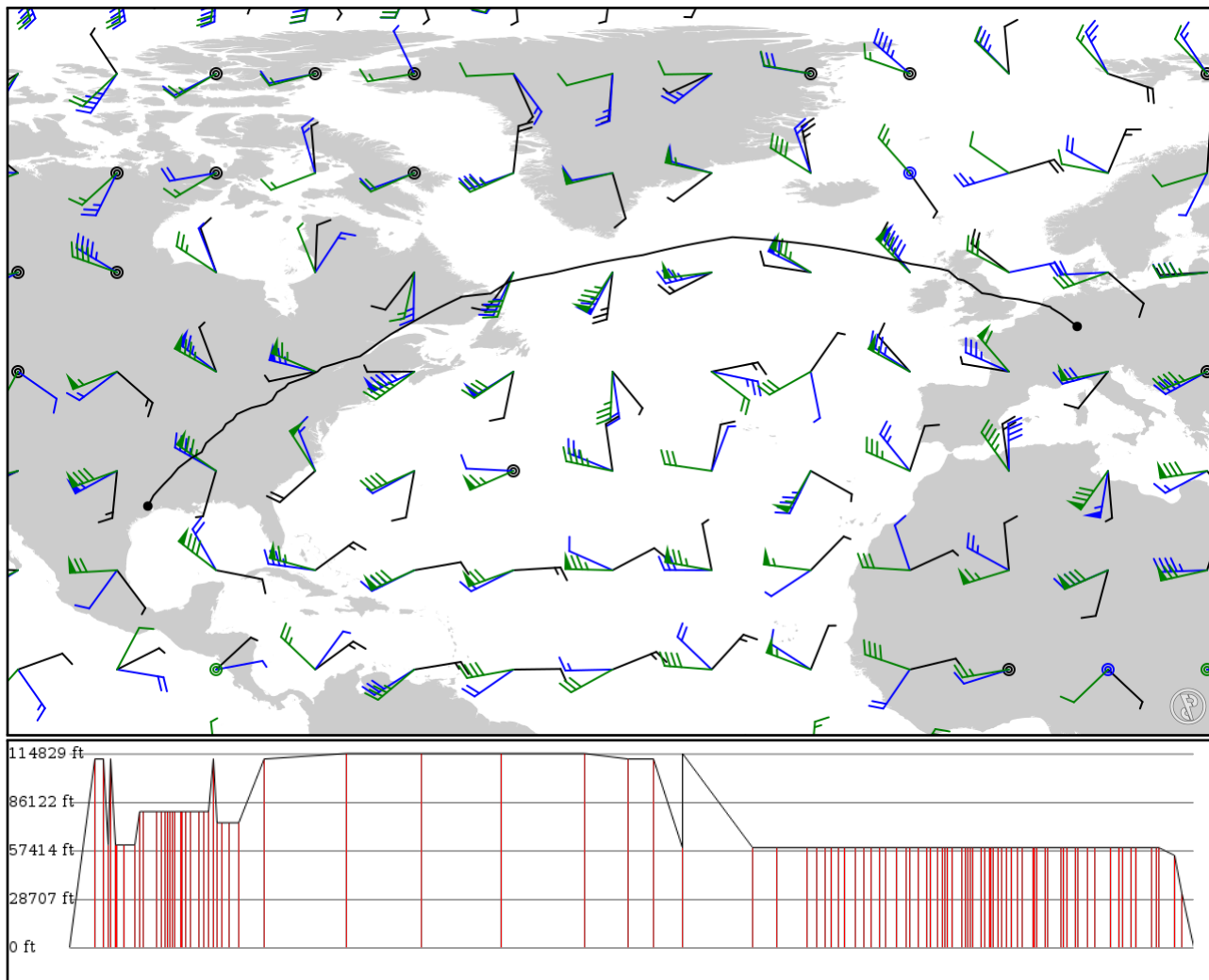
KIAH

Houston George Bush Int

2024/05/06 2034Z

EDDF DISMO **UZ28** NPSI **Y282** RENDI NYKER **B1** PETIK **L17** BODSO **Y70** POL **N57** DCS **N615** NGY TRN **W958D**
BRUCE **N573D** TIR GOMUP **C** +56.000_--50.000 5500N05500W CA **AR38** YR YYR **T002** YZV **V316** YBC **V360** YQB
V316 SOKYE **V360** YOW **V104** ANCOL **V443** DJB **V14** MIE **V221** OOM **V305** PXV **V11** DYR **V47** PBF **V69** ELD **V407**
LFK **V13** LEGGE KIAH

4672.00 nm / 8652.55 km



Notes

Using NAT tracks from 30/7/2015

Basic altitude profile:

- Ascent Rate: 2300ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 34000ft
- Cruise Speed: 300kts
- Descent Rate: 1800ft/min
- Descent Speed: 230kts

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
EDDF	-	50.03260	0 ft	-	Frankfurt am Main
APT	-	8.54064	0 m		
DISMO	-	51.40944	34,000 ft	107	-
FIX	-	6.75167	10,363 m		
NAPSI	UZ28	51.85528	34,000 ft	38	-
FIX	AWY-LO	6.02139	10,363 m		
RENDI	Y282	52.06167	18,500 ft	17	-
FIX	AWY-LO	5.67750	5,639 m		
NYKER	-	52.23039	34,000 ft	11	-
FIX	-	5.52880	10,363 m		
PAM	B1	52.33476	18,500 ft	17	PAMPUS VOR-DME
VOR	AWY-LO	5.09216	5,639 m		
ZANDA	B1	52.38977	18,500 ft	7	-
FIX	AWY-LO	4.92252	5,639 m		
PETIK	B1	52.61491	18,500 ft	29	-
FIX	AWY-LO	4.21574	5,639 m		
MOLIX	L17	52.82200	18,500 ft	43	-
FIX	AWY-LO	3.06867	5,639 m		
RAMID	L17	52.95778	24,500 ft	22	-
FIX	AWY-LO	2.50000	7,468 m		
BODSO	L17	53.05222	24,500 ft	15	-
FIX	AWY-LO	2.09472	7,468 m		
SUPEL	Y70	53.22778	24,500 ft	55	-
FIX	AWY-LO	0.59111	7,468 m		
OTBED	Y70	53.28806	24,500 ft	20	-
FIX	AWY-LO	0.03194	7,468 m		
VEGUS	Y70	53.40028	24,500 ft	15	-
FIX	AWY-LO	-0.35306	7,468 m		
POL57	Y70	53.46528	24,500 ft	8	-
FIX	AWY-LO	-0.57889	7,468 m		
POL47	Y70	53.53694	24,500 ft	9	-
FIX	AWY-LO	-0.83083	7,468 m		
GOLES	Y70	53.60806	24,500 ft	9	-
FIX	AWY-LO	-1.08333	7,468 m		
BATLI	Y70	53.64583	24,500 ft	10	-
FIX	AWY-LO	-1.36028	7,468 m		
POL	Y70	53.74389	24,500 ft	27	POLE HILL VOR-DME
VOR	AWY-LO	-2.10333	7,468 m		
POL05	N57	53.81123	24,500 ft	4	-
FIX	AWY-LO	-2.18599	7,468 m		
SETEL	N57	54.01250	24,500 ft	14	-
FIX	AWY-LO	-2.43583	7,468 m		
DCS37	N57	54.22778	24,500 ft	16	-
FIX	AWY-LO	-2.70611	7,468 m		
DCS	N57	54.72194	24,500 ft	37	DEAN CROSS VOR-DME
VOR	AWY-LO	-3.34056	7,468 m		
DCS19	N615	54.94222	24,500 ft	19	-
FIX	AWY-LO	-3.73750	7,468 m		
NGY	N615	55.17750	24,500 ft	20	NEW GALLOWAY NDB
NDB	AWY-LO	-4.16861	7,468 m		
TRN	-	55.31333	34,000 ft	22	TURNBERRY VOR-DME
VOR	-	-4.78389	10,363 m		
FULMA	W958D	55.51078	22,500 ft	13	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-LO	-5.00151	6,858 m		
TABIT	W958D	55.80000	22,500 ft	20	-
FIX	AWY-LO	-5.33361	6,858 m		
BRUCE	W958D	56.23639	22,500 ft	31	-
FIX	AWY-LO	-5.84111	6,858 m		
TIR	N573D	56.49317	22,500 ft	37	TIREE VOR-DME
VOR	AWY-LO	-6.87556	6,858 m		
GOMUP	-	57.00000	34,000 ft	107	-
FIX	-	-10.00000	10,363 m		
+59.000_--20.000	C	59.00000	35,000 ft	339	-
LATLON	NAT	-20.00000	10,668 m		
+60.000_--30.000	C	60.00000	35,000 ft	310	-
LATLON	NAT	-30.00000	10,668 m		
+58.000_--40.000	C	58.00000	35,000 ft	331	-
LATLON	NAT	-40.00000	10,668 m		
+56.000_--50.000	C	56.00000	35,000 ft	348	-
LATLON	NAT	-50.00000	10,668 m		
5500N05500W	-	55.00000	34,000 ft	180	-
LATLON	-	-55.00000	10,363 m		
CA	-	53.70906	34,000 ft	104	CARTWRIGHT NDB
NDB	-	-57.02100	10,363 m		
YR	AR38	53.33833	18,000 ft	121	GOOSE NDB
NDB	AWY-LO	-60.36667	5,486 m		
YYR	-	53.31972	35,000 ft	2	GOOSE VOR-DME
VOR	-	-60.29472	10,668 m		
YZV	T002	50.23211	18,000 ft	289	SEPT-ILES VOR-DME
VOR	AWY-LO	-66.27386	5,486 m		
YBC	V316	49.13403	18,000 ft	100	BAIE-COMEAU VOR-DME
VOR	AWY-LO	-68.22203	5,486 m		
ML	V360	47.62333	18,000 ft	123	CHARLEVOIX NDB
NDB	AWY-LO	-70.32500	5,486 m		
GADAL	V360	47.09722	18,000 ft	44	-
FIX	AWY-LO	-71.07889	5,486 m		
YQB	V360	46.70531	18,000 ft	32	QUEBEC VORTAC
VOR	AWY-LO	-71.62625	5,486 m		
PESAC	V316	46.54889	18,000 ft	24	-
FIX	AWY-LO	-72.18694	5,486 m		
SOKYE	V316	46.35889	18,000 ft	29	-
FIX	AWY-LO	-72.85139	5,486 m		
UFX	V360	46.19225	18,000 ft	25	ST-FELIX-DE-VALOI NDB
NDB	AWY-LO	-73.41903	5,486 m		
YMX	V360	45.88833	18,000 ft	43	-
VOR	AWY-LO	-74.37567	5,486 m		
BIVGO	V360	45.65015	18,000 ft	37	-
FIX	AWY-LO	-75.19837	5,486 m		
YOW	V360	45.44165	18,000 ft	31	-
VOR	AWY-LO	-75.89696	5,486 m		
LANRK	V104	44.99222	18,000 ft	33	-
FIX	AWY-LO	-76.37639	5,486 m		
SHARB	V104	44.73722	18,000 ft	26	-
FIX	AWY-LO	-76.89778	5,486 m		
YCF	V104	44.33306	18,000 ft	42	CAMPBELLFORD VOR-DME
VOR	AWY-LO	-77.70283	5,486 m		
LERAK	V104	44.05436	18,000 ft	38	-
FIX	AWY-LO	-78.51694	5,486 m		
OO	V104	43.92083	18,000 ft	18	OSHAWA NDB

Ident Type NDB	Via	Lat Lon	Alt	Dist (nm)	Name
YYZ	V104	43.65822	18,000 ft	35	TORONTO VOR-DME
VOR	AWY-LO	-79.63153	5,486 m		
ANCOL	V104	43.20866	18,000 ft	31	-
FIX	AWY-LO	-80.01591	5,486 m		
NORCH	V443	43.00977	18,000 ft	19	-
FIX	AWY-LO	-80.36454	5,486 m		
YQO	V443	42.70681	18,000 ft	29	AYLMER VOR-DME
VOR	AWY-LO	-80.88794	5,486 m		
DOGGS	V443	42.39421	18,000 ft	20	-
FIX	AWY-LO	-81.08124	5,486 m		
BELZY	V443	42.28194	18,000 ft	7	-
FIX	AWY-LO	-81.15417	5,486 m		
SUUUE	V443	42.15393	18,000 ft	8	-
FIX	AWY-LO	-81.22845	5,486 m		
FAILS	V443	41.83780	18,000 ft	20	-
FIX	AWY-LO	-81.42035	5,486 m		
DJB	V443	41.35806	18,000 ft	44	DRYER VOR-DME
VOR	AWY-LO	-82.16197	5,486 m		
WAKEM	V14	41.28517	18,000 ft	14	-
FIX	AWY-LO	-82.45857	5,486 m		
PLAER	V14	41.22824	18,000 ft	10	-
FIX	AWY-LO	-82.68758	5,486 m		
ELIJA	V14	41.19117	18,000 ft	7	-
FIX	AWY-LO	-82.83559	5,486 m		
REELS	V14	41.13373	18,000 ft	10	-
FIX	AWY-LO	-83.06308	5,486 m		
FDY	V14	40.95533	18,000 ft	33	-
VOR	AWY-LO	-83.75602	5,486 m		
LINZZ	V14	40.80626	18,000 ft	18	-
FIX	AWY-LO	-84.10340	5,486 m		
HINES	V14	40.66455	18,000 ft	17	-
FIX	AWY-LO	-84.43003	5,486 m		
NADIR	V14	40.60577	18,000 ft	7	-
FIX	AWY-LO	-84.56448	5,486 m		
BOOKS	V14	40.50452	18,000 ft	12	-
FIX	AWY-LO	-84.79466	5,486 m		
REDKE	V14	40.34271	18,000 ft	19	-
FIX	AWY-LO	-85.15900	5,486 m		
MIE	V14	40.23731	18,000 ft	12	MUNCIE VOR-DME
VOR	AWY-LO	-85.39403	5,486 m		
HOMAR	V221	39.89321	18,000 ft	23	-
FIX	AWY-LO	-85.63992	5,486 m		
SHB	V221	39.63256	18,000 ft	17	SHELBYVILLE VORTAC
VOR	AWY-LO	-85.82431	5,486 m		
MOUTH	V221	39.36124	18,000 ft	26	-
FIX	AWY-LO	-86.26457	5,486 m		
OOM	V221	39.14383	18,000 ft	20	HOOSIER VORTAC
VOR	AWY-LO	-86.61303	5,486 m		
WEGEE	V305	38.51374	18,000 ft	41	-
FIX	AWY-LO	-86.98749	5,486 m		
BAZEL	V305	38.42702	18,000 ft	7	-
FIX	AWY-LO	-87.10353	5,486 m		
AUGUS	V305	38.29897	18,000 ft	11	-
FIX	AWY-LO	-87.27409	5,486 m		
PXV	V305	37.92832	18,000 ft	32	POCKET CITY VORTAC

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
DME	AWY-LO	-87.76238	5,486 m		
WESON	V11	37.79086	18,000 ft	11	-
FIX	AWY-LO	-87.92542	5,486 m		
ROOKE	V11	37.13133	18,000 ft	54	-
FIX	AWY-LO	-88.69574	5,486 m		
CNG	V11	37.00861	18,000 ft	10	CUNNINGHAM VORTAC
VOR	AWY-LO	-88.83692	5,486 m		
AHOYE	V11	36.75219	18,000 ft	16	-
FIX	AWY-LO	-88.96271	5,486 m		
SACDO	V11	36.17408	18,000 ft	37	-
FIX	AWY-LO	-89.24306	5,486 m		
DYR	V11	36.01856	18,000 ft	10	DYERSBURG VORTAC
VOR	AWY-LO	-89.31769	5,486 m		
BOROW	V47	35.64691	18,000 ft	38	-
FIX	AWY-LO	-89.96476	5,486 m		
GQE	V47	35.34703	18,000 ft	30	GILMORE VOR-DME
VOR	AWY-LO	-90.47817	5,486 m		
DRAST	V47	34.62895	18,000 ft	63	-
FIX	AWY-LO	-91.43012	5,486 m		
PBF	V47	34.24676	18,000 ft	33	PINE BLUFF VOR-DME
DME	AWY-LO	-91.92618	5,486 m		
RISON	V69	34.04104	18,000 ft	15	-
FIX	AWY-LO	-92.09796	5,486 m		
HAMPT	V69	33.55095	18,000 ft	35	-
FIX	AWY-LO	-92.50302	5,486 m		
ELD	V69	33.25615	18,000 ft	21	EL DORADO VORTAC
DME	AWY-LO	-92.74395	5,486 m		
EMG	V407	32.40041	18,000 ft	66	ELM GROVE VORTAC
DME	AWY-LO	-93.59515	5,486 m		
MOKPE	V407	32.16174	18,000 ft	18	-
FIX	AWY-LO	-93.81449	5,486 m		
EXITE	V407	32.01221	18,000 ft	11	-
FIX	AWY-LO	-93.95117	5,486 m		
LFK	V407	31.16244	16,600 ft	64	LUFKIN VORTAC
VOR	AWY-LO	-94.71683	5,060 m		
LEGGE	V13	30.68077	9,800 ft	31	-
FIX	AWY-LO	-94.97022	2,987 m		
KIAH	-	29.98544	0 ft	45	Houston George Bush Int
APT	-	-95.34119	0 m		

EDDF

Region: GERMANY - CIVIL
Timezone: EUROPE/BERLIN
Runways: 4

Elevation: 362 ft / 110 m
Location: 50.032600 8.540670
Magnetic Var: 3.172 E

METAR

EDDF 062020Z AUTO 20009KT 9999 BKN023 BKN030 BKN038 13/12 Q1010 NOSIG

TAF

TAF EDDF 061700Z 0618/0724 22006KT 9999 SCT025 BKN035 PROB30 TEMPO 0618/0621 SHRA BKN020TCU PROB30 TEMPO 0702/0708

Frequencies

REC - 118.02 MHz - ATIS ARRIVAL
GND - 121.80 MHz - GROUND
GND - 121.70 MHz - APRON RAMP/TAXI
GND - 121.85 MHz - APRON RAMP/TAXI
TWR - 118.77 MHz - TOWER
TWR - 124.85 MHz - TOWER
TWR - 136.50 MHz - TOWER
APP - 127.27 MHz - FRANKFURT DIRECT
APP - 125.35 MHz - LANGEN RADAR
APP - 120.80 MHz - LANGEN RADAR
APP - 136.12 MHz - LANGEN RADAR

REC - 118.72 MHz - ATIS DEPARTURE
GND - 121.65 MHz - APRON RAMP/TAXI
GND - 121.95 MHz - APRON RAMP/TAXI
GND - 121.75 MHz - APRON RAMP/TAXI
TWR - 119.90 MHz - TOWER
TWR - 127.32 MHz - TOWER
CLD - 121.90 MHz - CLEARANCE DELIVERY
APP - 118.50 MHz - FRANKFURT DIRECT
APP - 126.55 MHz - LANGEN RADAR
APP - 120.15 MHz - LANGEN RADAR
APP - 119.02 MHz - LANGEN RADAR

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
07L	148 ft	9,194 ft	69.56	CONCRETE	0 ft	0 ft
	45 m	2,802 m	66.39		0 m	0 m
25R	148 ft	9,194 ft	249.59	CONCRETE	0 ft	0 ft
	45 m	2,802 m	246.42		0 m	0 m
07C	197 ft	13,134 ft	69.57	ASPHALT	0 ft	203 ft
	60 m	4,003 m	66.40		0 m	62 m
25C	197 ft	13,134 ft	249.61	ASPHALT	0 ft	935 ft
	60 m	4,003 m	246.44		0 m	285 m
07R	148 ft	13,134 ft	69.59	ASPHALT	0 ft	213 ft
	45 m	4,003 m	66.42		0 m	65 m
25L	148 ft	13,134 ft	249.63	ASPHALT	0 ft	1,775 ft
	45 m	4,003 m	246.46		0 m	541 m
18	148 ft	13,083 ft	179.64	ASPHALT	0 ft	0 ft
	45 m	3,988 m	176.47		0 m	0 m
36	148 ft	13,083 ft	359.64	ASPHALT	0 ft	121 ft
	45 m	3,988 m	356.47		0 m	37 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
07L	DME	IFNE	111.75 MHz	18 nm	-	-	357 ft
				33 km	-		357 m
25C	DME	IFCW	111.55 MHz	18 nm	-	-	364 ft
				33 km	-		364 m
25R	DME	IFNW	111.35 MHz	18 nm	-	-	357 ft
				33 km	-		357 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
07C	LOC-ILS	IFCE	110.55 MHz	18 nm	69.59	-	362 ft
				33 km	66.42		362 m
07L	LOC-ILS	IFNE	111.75 MHz	18 nm	69.58	-	362 ft
				33 km	66.41		362 m
07R	LOC-ILS	IFSE	110.95 MHz	18 nm	69.61	-	362 ft
				33 km	66.44		362 m
25C	LOC-ILS	IFCW	111.55 MHz	18 nm	249.59	-	362 ft
				33 km	246.42		362 m
25L	LOC-ILS	IFSW	111.15 MHz	18 nm	249.61	-	362 ft
				33 km	246.44		362 m
25R	LOC-ILS	IFNW	111.35 MHz	18 nm	249.58	-	362 ft
				33 km	246.41		362 m
07C	GS	IFCE	110.55 MHz	10 nm	69.59	3.00	362 ft
				19 km	66.42		362 m
07L	GS	IFNE	111.75 MHz	10 nm	69.58	3.00	362 ft
				19 km	66.41		362 m
07R	GS	IFSE	110.95 MHz	10 nm	69.61	3.00	362 ft
				19 km	66.44		362 m
25C	GS	IFCW	111.55 MHz	10 nm	249.59	3.00	362 ft
				19 km	246.42		362 m
25L	GS	IFSW	111.15 MHz	10 nm	249.61	3.00	362 ft
				19 km	246.44		362 m
25R	GS	IFNW	111.35 MHz	10 nm	249.58	3.00	362 ft
				19 km	246.41		362 m

KIAH

Region: UNITED STATES
Timezone: AMERICA/CHICAGO
Runways: 5

Elevation: 98 ft / 30 m
Location: 29.985400 -95.341200
Magnetic Var: 1.731 E

METAR

KIAH 061953Z 15014G25KT 10SM BKN034 BKN250 29/21 A2980 RMK AO2 PK WND 16026/1934 SLP091 T02890211

TAF

KIAH 061727Z 0618/0724 15013G20KT P6SM SCT025 BKN050 FM070100 15010KT P6SM SCT010 BKN015 FM070700 18006KT P6SM SC

Frequencies

REC - 124.05 MHz - D-ATIS
CLD - 128.10 MHz - CLEARANCE DELIVERY
GND - 121.70 MHz - HOUSTON GROUND
TWR - 120.72 MHz - HOUSTON TOWER
TWR - 135.15 MHz - HOUSTON TOWER
APP - 120.05 MHz - HOUSTON APPROACH
DEP - 126.67 MHz - HOUSTON DEPARTURE
DEP - 133.60 MHz - HOUSTON DEPARTURE

REC - 122.95 MHz - UNICOM
GND - 119.95 MHz - HOUSTON GROUND
GND - 118.57 MHz - HOUSTON GROUND
TWR - 125.35 MHz - HOUSTON TOWER
TWR - 127.30 MHz - HOUSTON TOWER
APP - 124.35 MHz - HOUSTON APPROACH
DEP - 132.25 MHz - HOUSTON DEPARTURE
DEP - 127.12 MHz - HOUSTON DEPARTURE

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
15R	151 ft	10,010 ft	152.07	CONCRETE	0 ft	407 ft
	46 m	3,051 m	150.34		0 m	124 m
33L	151 ft	10,010 ft	332.08	CONCRETE	0 ft	407 ft
	46 m	3,051 m	330.35		0 m	124 m
15L	151 ft	12,013 ft	152.08	CONCRETE	0 ft	413 ft
	46 m	3,662 m	150.35		0 m	126 m
33R	151 ft	12,013 ft	332.09	CONCRETE	0 ft	413 ft
	46 m	3,662 m	330.36		0 m	126 m
08L	151 ft	9,008 ft	89.94	CONCRETE	0 ft	387 ft
	46 m	2,746 m	88.21		0 m	118 m
26R	151 ft	9,008 ft	269.96	CONCRETE	0 ft	387 ft
	46 m	2,746 m	268.23		0 m	118 m
08R	151 ft	9,412 ft	89.96	CONCRETE	0 ft	384 ft
	46 m	2,869 m	88.22		0 m	117 m
26L	151 ft	9,412 ft	269.97	CONCRETE	0 ft	384 ft
	46 m	2,869 m	268.24		0 m	117 m
09	151 ft	10,009 ft	89.95	CONCRETE	0 ft	387 ft
	46 m	3,051 m	88.22		0 m	118 m
27	151 ft	10,009 ft	269.97	CONCRETE	0 ft	387 ft
	46 m	3,051 m	268.24		0 m	118 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
08L	DME	IBZU	111.55 MHz	18 nm	-	-	90 ft
				33 km	-		90 m
08R	DME	IIAH	109.70 MHz	18 nm	-	-	109 ft
				33 km	-		109 m
09	DME	IUYO	110.90 MHz	18 nm	-	-	100 ft
				33 km	-		100 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
26L	DME	IJYV	109.70 MHz	18 nm 33 km	- -	-	109 ft 109 m
26R	DME	IOND	111.55 MHz	18 nm 33 km	- -	-	84 ft 84 m
27	DME	IGHI	110.90 MHz	18 nm 33 km	- -	-	100 ft 100 m
08L	LOC-ILS	IBZU	111.55 MHz	18 nm 33 km	89.95 88.22	-	98 ft 98 m
08R	LOC-ILS	IIAH	109.70 MHz	18 nm 33 km	89.96 88.23	-	98 ft 98 m
09	LOC-ILS	IUYO	110.90 MHz	18 nm 33 km	89.96 88.23	-	98 ft 98 m
15R	LOC-ILS	ILKM	111.15 MHz	18 nm 33 km	152.08 150.35	-	98 ft 98 m
26L	LOC-ILS	IJYV	109.70 MHz	18 nm 33 km	269.96 268.23	-	98 ft 98 m
26R	LOC-ILS	IOND	111.55 MHz	18 nm 33 km	269.95 268.22	-	98 ft 98 m
27	LOC-ILS	IGHI	110.90 MHz	18 nm 33 km	269.96 268.23	-	98 ft 98 m
33R	LOC-ILS	ICDG	111.90 MHz	18 nm 33 km	332.09 330.36	-	98 ft 98 m
08L	GS	IBZU	111.55 MHz	10 nm 19 km	89.95 88.22	3.00	98 ft 98 m
08R	GS	IIAH	109.70 MHz	10 nm 19 km	89.96 88.23	3.00	98 ft 98 m
09	GS	IUYO	110.90 MHz	10 nm 19 km	89.96 88.23	3.00	98 ft 98 m
15R	GS	ILKM	111.15 MHz	10 nm 19 km	152.08 150.35	3.00	98 ft 98 m
26L	GS	IJYV	109.70 MHz	10 nm 19 km	269.96 268.23	3.00	98 ft 98 m
26R	GS	IOND	111.55 MHz	10 nm 19 km	269.95 268.22	3.00	98 ft 98 m
27	GS	IGHI	110.90 MHz	10 nm 19 km	269.96 268.23	3.00	98 ft 98 m
33R	GS	ICDG	111.90 MHz	10 nm 19 km	332.09 330.36	3.00	98 ft 98 m