

KIAH

Houston George Bush Int

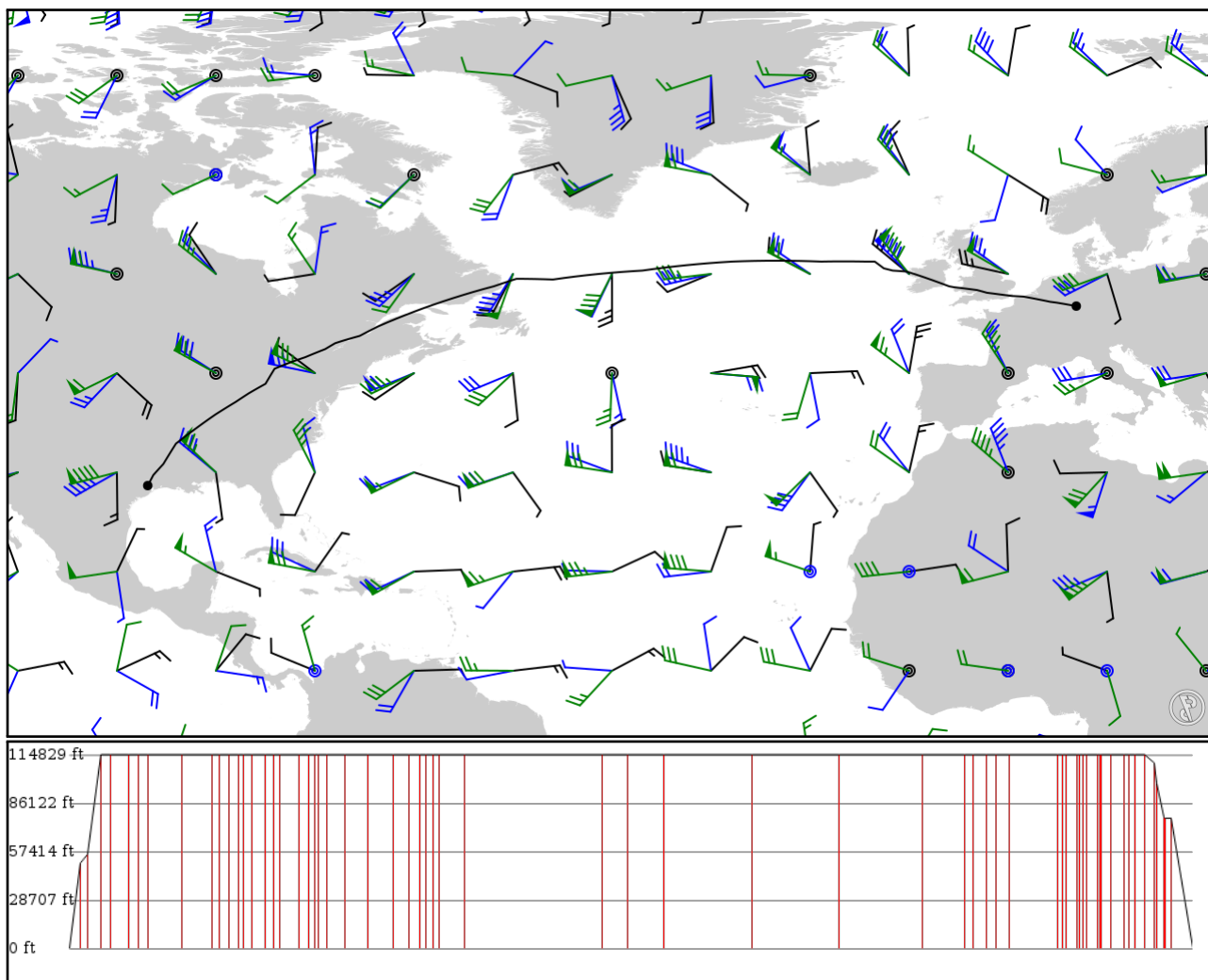
EDDF

Frankfurt am Main

2024/05/15 0043Z

KIAH LEGGE V13 LFK J101 LIT J131 PXV J29 DJB J545 YXU J586 YCF J588 YMX J546 YQB J560 YRI N206C
REDBY 5E16 CARPE +53.000_--50.000 T +55.000_--30.000 R +55.000_--20.000 U NETKI KORIB UN542 BABAN
UN544 DEVOL UN546 BAKUR UN14 KENET UL9 KONAN UL607 MATUG EDDF

4612.33 nm / 8542.03 km



Notes

Using NAT tracks from 27/8/2016

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
KIAH APT	-	29.98544 -95.34119	0 ft 0 m	-	Houston George Bush Int
LEGGE FIX	-	30.68077 -94.97022	15,400 ft 4,694 m	45	-
LFK VOR	V13 AWY-LO	31.16244 -94.71683	17,000 ft 5,182 m	31	LUFKIN VORTAC
MOTLY FIX	J101 AWY-HI	31.84276 -94.10538	35,000 ft 10,668 m	51	-
EMG DME	J101 AWY-HI	32.40041 -93.59515	35,000 ft 10,668 m	42	ELM GROVE VORTAC
WOOTN FIX	J101 AWY-HI	33.51099 -92.91580	35,000 ft 10,668 m	74	-
MATIE FIX	J101 AWY-HI	34.09499 -92.55065	35,000 ft 10,668 m	39	-
LIT DME	J101 AWY-HI	34.67767 -92.18053	35,000 ft 10,668 m	39	LITTLE ROCK VORTAC
RUSLR FIX	J131 AWY-HI	36.26351 -90.09886	35,000 ft 10,668 m	139	-
PENBE FIX	J131 AWY-HI	37.65431 -88.15873	35,000 ft 10,668 m	125	-
PXV DME	J131 AWY-HI	37.92832 -87.76238	35,000 ft 10,668 m	24	POCKET CITY VORTAC
IMPEL FIX	J29 AWY-HI	38.35955 -87.08303	35,000 ft 10,668 m	41	-
JUDDI FIX	J29 AWY-HI	38.75936 -86.44017	35,000 ft 10,668 m	38	-
KURTZ FIX	J29 AWY-HI	38.97219 -86.09265	35,000 ft 10,668 m	20	-
BIGXX FIX	J29 AWY-HI	39.33096 -85.49744	35,000 ft 10,668 m	35	-
FYLLS FIX	J29 AWY-HI	39.90675 -84.63051	35,000 ft 10,668 m	52	-
ROD VOR	J29 AWY-HI	40.28781 -84.04308	35,000 ft 10,668 m	35	ROSEWOOD VORTAC
PROTN FIX	J29 AWY-HI	40.54047 -83.60920	35,000 ft 10,668 m	24	-
DJB VOR	J29 AWY-HI	41.35806 -82.16197	35,000 ft 10,668 m	81	DRYER VOR-DME
KEEHO FIX	J545 AWY-HI	41.91759 -81.83096	35,000 ft 10,668 m	36	-
BROKK FIX	J545 AWY-HI	42.33139 -81.58194	35,000 ft 10,668 m	27	-
JLGON FIX	J545 AWY-HI	42.57951 -81.43107	35,000 ft 10,668 m	16	-
YXU VOR	J545 AWY-HI	43.03792 -81.14850	35,000 ft 10,668 m	30	LONDON VOR-DME
YYZ VOR	J586 AWY-HI	43.65822 -79.63153	35,000 ft 10,668 m	76	TORONTO VOR-DME
YCF VOR	J586 AWY-HI	44.33306 -77.70283	35,000 ft 10,668 m	92	CAMPBELLFORD VOR-DME
ULAMO FIX	J588 AWY-HI	45.22917 -75.49306	35,000 ft 10,668 m	108	-
YMX	J588	45.88833	35,000 ft	61	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
VOR	AWY-HI	-74.37567	10,668 m		
UFX	J546	46.19225	35,000 ft	43	ST-FELIX-DE-VALOI NDB
NDB	AWY-HI	-73.41903	10,668 m		
SOKYE	J546	46.35889	35,000 ft	25	-
FIX	AWY-HI	-72.85139	10,668 m		
PESAC	J546	46.54889	35,000 ft	29	-
FIX	AWY-HI	-72.18694	10,668 m		
YQB	J546	46.70531	35,000 ft	24	QUEBEC VORTAC
VOR	AWY-HI	-71.62625	10,668 m		
YRI	J560	47.75753	35,000 ft	104	RIVIERE DU LOUP VOR
VOR	AWY-HI	-69.58978	10,668 m		
REDBY	N206C	52.24944	35,000 ft	568	-
FIX	AWY-HI	-56.60166	10,668 m		
CARPE	5E16	53.08333	35,000 ft	104	-
FIX	AWY-HI	-54.08333	10,668 m		
+53.000_--50.000	-	53.00000	35,000 ft	147	-
LATLON	-	-50.00000	10,668 m		
+54.000_--40.000	T	54.00000	35,000 ft	361	-
LATLON	NAT	-40.00000	10,668 m		
+55.000_--30.000	T	55.00000	35,000 ft	353	-
LATLON	NAT	-30.00000	10,668 m		
+55.000_--20.000	R	55.00000	35,000 ft	344	-
LATLON	NAT	-20.00000	10,668 m		
RESNO	U	55.00000	35,000 ft	172	-
FIX	NAT	-15.00000	10,668 m		
NETKI	U	55.00000	35,000 ft	34	-
FIX	NAT	-14.00000	10,668 m		
KORIB	-	54.25333	35,000 ft	56	-
FIX	-	-13.00000	10,668 m		
BABAN	UN542	54.00000	35,000 ft	38	-
FIX	AWY-HI	-12.00000	10,668 m		
DEVOL	UN544	53.89028	35,000 ft	55	-
FIX	AWY-HI	-10.43417	10,668 m		
BAKUR	UN546	52.24167	35,000 ft	198	-
FIX	AWY-HI	-5.68028	10,668 m		
PEMOB	UN14	52.14389	35,000 ft	19	-
FIX	AWY-HI	-5.16139	10,668 m		
ABAPO	UN14	52.10278	35,000 ft	13	-
FIX	AWY-HI	-4.80333	10,668 m		
MEDOG	UN14	51.95028	35,000 ft	47	-
FIX	AWY-HI	-3.54944	10,668 m		
TOPRO	UN14	51.91167	35,000 ft	11	-
FIX	AWY-HI	-3.24917	10,668 m		
DOBEM	UN14	51.86944	35,000 ft	12	-
FIX	AWY-HI	-2.92917	10,668 m		
BEKSA	UN14	51.81778	35,000 ft	14	-
FIX	AWY-HI	-2.54611	10,668 m		
KENET	UN14	51.52056	35,000 ft	44	-
FIX	AWY-HI	-1.45500	10,668 m		
CPT	UL9	51.49167	35,000 ft	8	COMPTON VOR-DME
VOR	AWY-HI	-1.21972	10,668 m		
NORRY	UL9	51.47972	35,000 ft	3	-
FIX	AWY-HI	-1.12333	10,668 m		
LINDY	UL9	51.47056	35,000 ft	2	-
FIX	AWY-HI	-1.04917	10,668 m		
BIG	UL9	51.33087	35,000 ft	41	BIGGIN VOR-DME

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
VOR	AWY-HI	0.03481	10,668 m		
DVR	UL9	51.16250	35,000 ft	50	DOVER VOR-DME
VOR	AWY-HI	1.35917	10,668 m		
KONAN	UL9	51.13083	35,000 ft	24	-
FIX	AWY-HI	2.00000	10,668 m		
KOK	UL607	51.09472	35,000 ft	24	KOKSY VORTAC
VOR	AWY-HI	2.65167	10,668 m		
FERDI	UL607	50.91264	35,000 ft	38	-
FIX	AWY-HI	3.63696	10,668 m		
BUPAL	UL607	50.72306	33,500 ft	38	-
FIX	AWY-HI	4.60111	10,211 m		
REMBA	UL607	50.66223	29,800 ft	12	-
FIX	AWY-HI	4.91403	9,083 m		
SPI	UL607	50.51472	23,700 ft	28	SPRIMONT VOR-DME
VOR	AWY-HI	5.62333	7,224 m		
PELIX	UL607	50.49694	23,500 ft	5	-
FIX	AWY-HI	5.76250	7,163 m		
MATUG	UL607	50.41667	23,500 ft	23	-
FIX	AWY-HI	6.36972	7,163 m		
EDDF	-	50.03260	0 ft	86	Frankfurt am Main
APT	-	8.54064	0 m		

KIAH

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

Elevation: 98 ft / 30 m
Location: 29.985400 -95.341200
Magnetic Var: 1.728 E

METAR

KIAH 142353Z 35008KT 10SM CLR 30/14 A2977 RMK A02 SLP081 T03000144 10317 20283 53001 \$

TAF

KIAH 142321Z 1500/1606 32006KT P6SM FEW060 FM150100 VRB03KT P6SM SKC TEMPO 1511/1514 5SM BR FEW003 FM151700 13008KT

Frequencies

REC - 124.05 MHz - D-ATIS	REC - 122.95 MHz - UNICOM
CLD - 128.10 MHz - CLEARANCE DELIVERY	GND - 119.95 MHz - HOUSTON GROUND
GND - 121.70 MHz - HOUSTON GROUND	GND - 118.57 MHz - HOUSTON GROUND
TWR - 120.72 MHz - HOUSTON TOWER	TWR - 125.35 MHz - HOUSTON TOWER
TWR - 135.15 MHz - HOUSTON TOWER	TWR - 127.30 MHz - HOUSTON TOWER
APP - 120.05 MHz - HOUSTON APPROACH	APP - 124.35 MHz - HOUSTON APPROACH
DEP - 126.67 MHz - HOUSTON DEPARTURE	DEP - 132.25 MHz - HOUSTON DEPARTURE
DEP - 133.60 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	88.22		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	88.23		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

EDDF

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

Elevation: 362 ft / 110 m
Location: 50.032600 8.540670
Magnetic Var: 3.175 E

METAR

EDDF 150020Z AUTO VRB01KT CAVOK 16/09 Q1005

TAF

TAF EDDF 142300Z 1500/1606 05007KT CAVOK BECMG 1508/1510 13006KT BECMG 1512/1514 22005KT PROB30 TEMPO 1518/1523 3

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	66.41		0 m	65 m
25L	148 ft	13,134 ft	249.63	ASPHALT	0 ft	1,775 ft
	45 m	4,003 m	246.45		0 m	541 m
18	148 ft	13,083 ft	179.64	ASPHALT	0 ft	0 ft
	45 m	3,988 m	176.46		0 m	0 m
36	148 ft	13,083 ft	359.64	ASPHALT	0 ft	121 ft
	45 m	3,988 m	356.46		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