

# OTBD

DOHA INTL

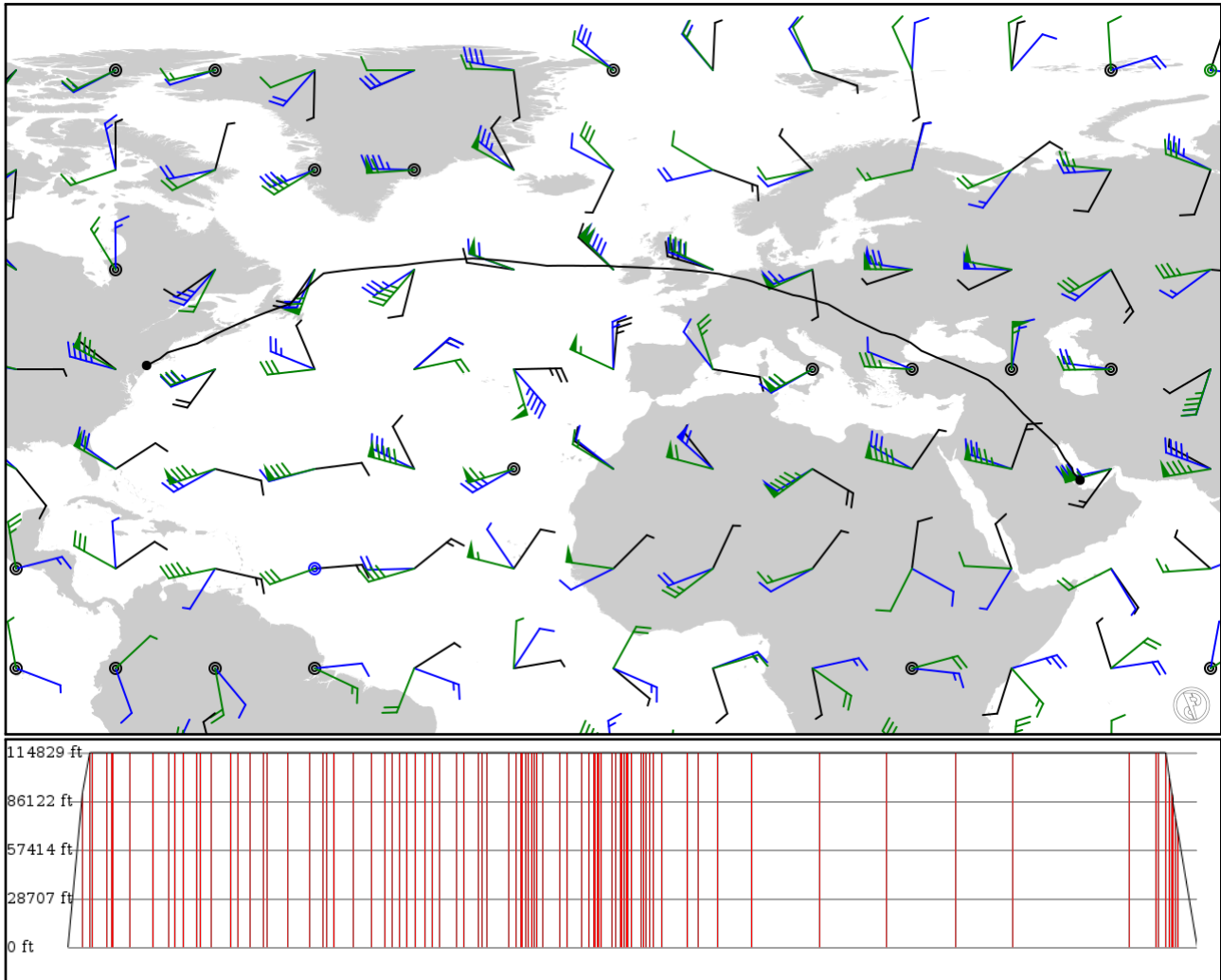
# KJFK

John F Kennedy Intl

2024/05/07 0601Z

OTBD BAH **UP975** SIDAD **P975** NOLDO **UP975** EZS **P975** ODERO **UL601** DINRO **T99** VEVIN **UT85** BALBI **T85** ENIMA  
**T705** NEPOT **L602** EVRIK **UL602** BUDOP **L602** PATAK **UL602** DONAD **L602** TABAT **UL602** HMM **B5** RKN **UL602** SPY  
**UY70** BODSO **Y70** OTBED **L26** ADELU **UL26** PENIL **L70** RAMOX **UL70** DEVOL **UN544** DOGAL +54.000\_--20.000 H  
+53.000\_--50.000 5350N **5E51** YQX **N124B** TUSKY **J575** BOS **V16** ORW KJFK

5912.96 nm / 10950.80 km



## Notes

Using NAT tracks from 7/6/2017

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
OTBD	-	25.26106	0 ft	-	DOHA INTL
APT	-	51.56500	0 m		
BAH	-	26.26419	27,800 ft	78	BAHRAIN VOR-DME
VOR	-	50.64885	8,473 m		
TOLMO	UP975	26.91778	35,000 ft	40	-
FIX	AWY-LO	50.49083	10,668 m		
GASSI	UP975	27.04917	35,000 ft	10	-
FIX	AWY-LO	50.37472	10,668 m		
DETKO	UP975	28.09722	35,000 ft	77	-
FIX	AWY-LO	49.52500	10,668 m		
LONOS	UP975	28.50750	35,000 ft	27	-
FIX	AWY-LO	49.28694	10,668 m		
IMDOX	UP975	28.58194	35,000 ft	5	-
FIX	AWY-HI	49.24389	10,668 m		
SIDAD	UP975	29.87528	35,000 ft	87	-
FIX	AWY-HI	48.49556	10,668 m		
ILMAP	P975	31.35917	35,000 ft	119	-
FIX	AWY-LO	46.95056	10,668 m		
DENKI	P975	32.37457	35,000 ft	82	-
FIX	AWY-LO	45.85599	10,668 m		
NOLDO	P975	32.82567	35,000 ft	36	-
FIX	AWY-LO	45.35817	10,668 m		
ETBOM	UP975	33.36048	35,000 ft	42	-
FIX	AWY-HI	44.79793	10,668 m		
SOGUM	UP975	34.20333	35,000 ft	67	-
FIX	AWY-HI	43.91500	10,668 m		
LOPAS	UP975	34.50096	35,000 ft	22	-
FIX	AWY-HI	43.64288	10,668 m		
GETID	UP975	35.26406	35,000 ft	57	-
FIX	AWY-HI	42.93303	10,668 m		
KANOK	UP975	36.56515	35,000 ft	99	-
FIX	AWY-HI	41.68316	10,668 m		
LESRI	UP975	37.07222	35,000 ft	37	-
FIX	AWY-HI	41.23028	10,668 m		
DYB	UP975	37.87083	35,000 ft	68	DIYARBAKIR NDB
NDB	AWY-HI	40.20861	10,668 m		
EZS	UP975	38.70694	35,000 ft	68	ELAZIG VOR-DME
VOR	AWY-HI	39.22444	10,668 m		
ARPUT	P975	38.84556	35,000 ft	15	-
FIX	AWY-LO	38.94056	10,668 m		
SIV	P975	39.78944	35,000 ft	110	SIVAS NDB
NDB	AWY-LO	36.89333	10,668 m		
ERGUN	P975	40.74639	35,000 ft	114	-
FIX	AWY-LO	34.73889	10,668 m		
ORMAN	P975	41.29056	35,000 ft	68	-
FIX	AWY-LO	33.41194	10,668 m		
TEPKI	P975	41.45333	35,000 ft	21	-
FIX	AWY-LO	32.99278	10,668 m		
HAKAN	P975	41.72333	35,000 ft	35	-
FIX	AWY-LO	32.29833	10,668 m		
ODERO	P975	42.61056	35,000 ft	105	-
FIX	AWY-LO	30.26444	10,668 m		
DINRO	UL601	43.70000	35,000 ft	91	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	28.80833	10,668 m		
AGNAR	T99	44.35323	35,000 ft	71	-
FIX	AWY-LO	27.43651	10,668 m		
VEVIN	T99	44.71310	35,000 ft	39	-
FIX	AWY-LO	26.65196	10,668 m		
BALBI	UT85	44.90509	35,000 ft	39	-
FIX	AWY-HI	25.75403	10,668 m		
ENIMA	T85	45.07951	35,000 ft	37	-
FIX	AWY-LO	24.90251	10,668 m		
EPUKI	T705	45.49351	35,000 ft	43	-
FIX	AWY-LO	24.06413	10,668 m		
NEPOT	T705	45.96030	35,000 ft	49	-
FIX	AWY-LO	23.08808	10,668 m		
EVRIK	L602	46.35190	35,000 ft	42	-
FIX	AWY-LO	22.24225	10,668 m		
BUDOP	UL602	46.68738	35,000 ft	36	-
FIX	AWY-HI	21.49666	10,668 m		
NORAH	L602	47.61624	35,000 ft	88	-
FIX	AWY-LO	19.80818	10,668 m		
PATAK	L602	48.07295	35,000 ft	38	-
FIX	AWY-LO	19.12736	10,668 m		
LALES	UL602	48.86528	35,000 ft	73	-
FIX	AWY-HI	17.70944	10,668 m		
BABUS	UL602	48.98031	35,000 ft	17	-
FIX	AWY-HI	17.30125	10,668 m		
BNO	UL602	49.15006	35,000 ft	26	BRNO VOR-DME
VOR	AWY-HI	16.69258	10,668 m		
ILNEK	UL602	49.90723	35,000 ft	114	-
FIX	AWY-HI	14.00305	10,668 m		
DONAD	UL602	50.08081	35,000 ft	40	-
FIX	AWY-HI	13.00000	10,668 m		
VARIK	L602	50.29111	35,000 ft	26	-
FIX	AWY-LO	12.38111	10,668 m		
PEROX	L602	50.34472	35,000 ft	7	-
FIX	AWY-LO	12.19944	10,668 m		
SODRO	L602	50.46472	35,000 ft	15	-
FIX	AWY-LO	11.82722	10,668 m		
TABAT	L602	50.55861	35,000 ft	12	-
FIX	AWY-LO	11.53139	10,668 m		
BAMKI	UL602	50.71806	35,000 ft	21	-
FIX	AWY-HI	11.02028	10,668 m		
TAMEB	UL602	50.80778	35,000 ft	12	-
FIX	AWY-HI	10.73000	10,668 m		
ROBEL	UL602	50.89753	35,000 ft	12	-
FIX	AWY-HI	10.43367	10,668 m		
KEMAD	UL602	51.12361	35,000 ft	31	-
FIX	AWY-HI	9.67500	10,668 m		
HMM	UL602	51.85687	35,000 ft	85	HAMM VOR-DME
VOR	AWY-HI	7.70829	10,668 m		
RELBI	B5	52.11833	35,000 ft	36	-
FIX	AWY-LO	6.81361	10,668 m		
RKN	B5	52.13320	35,000 ft	2	REKKEN VOR-DME
VOR	AWY-LO	6.76388	10,668 m		
SPY	UL602	52.54028	35,000 ft	74	SPIJKERBOOR VOR-DME
VOR	AWY-HI	4.85378	10,668 m		
MONIL	UY70	52.76076	35,000 ft	42	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	3.74664	10,668 m		
RAVLO	UY70	52.91690	35,000 ft	23	-
FIX	AWY-HI	3.14820	10,668 m		
KUBAX	UY70	52.94278	35,000 ft	7	-
FIX	AWY-HI	2.95361	10,668 m		
BEKMO	UY70	52.98611	35,000 ft	12	-
FIX	AWY-HI	2.61944	10,668 m		
SONOL	UY70	53.00139	35,000 ft	4	-
FIX	AWY-HI	2.50000	10,668 m		
BODSO	UY70	53.05222	35,000 ft	14	-
FIX	AWY-HI	2.09472	10,668 m		
SUPEL	Y70	53.22778	35,000 ft	55	-
FIX	AWY-LO	0.59111	10,668 m		
OTBED	Y70	53.28806	35,000 ft	20	-
FIX	AWY-LO	0.03194	10,668 m		
TNT63	L26	53.35806	35,000 ft	25	-
FIX	AWY-LO	-0.65583	10,668 m		
DOPEK	L26	53.38444	35,000 ft	9	-
FIX	AWY-LO	-0.92556	10,668 m		
MAMUL	L26	53.41806	35,000 ft	12	-
FIX	AWY-LO	-1.28000	10,668 m		
ADELU	L26	53.44167	35,000 ft	9	-
FIX	AWY-LO	-1.53694	10,668 m		
BOLBI	UL26	53.46667	35,000 ft	9	-
FIX	AWY-HI	-1.81250	10,668 m		
SONEX	UL26	53.49806	35,000 ft	13	-
FIX	AWY-HI	-2.17250	10,668 m		
PENIL	UL26	53.61611	35,000 ft	53	-
FIX	AWY-HI	-3.66361	10,668 m		
BABRA	L70	53.62771	35,000 ft	10	-
FIX	AWY-LO	-3.94656	10,668 m		
SOPAX	L70	53.64694	35,000 ft	18	-
FIX	AWY-LO	-4.45222	10,668 m		
RAMOX	L70	53.66028	35,000 ft	13	-
FIX	AWY-LO	-4.83944	10,668 m		
BAGSO	UL70	53.68000	35,000 ft	23	-
FIX	AWY-HI	-5.50000	10,668 m		
NAVAN	UL70	53.74722	35,000 ft	40	-
FIX	AWY-HI	-6.64639	10,668 m		
DEVOL	UL70	53.89028	35,000 ft	134	-
FIX	AWY-HI	-10.43417	10,668 m		
BABAN	UN544	54.00000	35,000 ft	55	-
FIX	AWY-HI	-12.00000	10,668 m		
DOGAL	UN544	54.00000	35,000 ft	105	-
FIX	AWY-HI	-15.00000	10,668 m		
+54.000_--20.000	-	54.00000	35,000 ft	176	-
LATLON	-	-20.00000	10,668 m		
+55.000_--30.000	H	55.00000	35,000 ft	353	-
LATLON	NAT	-30.00000	10,668 m		
+54.000_--40.000	H	54.00000	35,000 ft	353	-
LATLON	NAT	-40.00000	10,668 m		
+53.000_--50.000	H	53.00000	35,000 ft	361	-
LATLON	NAT	-50.00000	10,668 m		
5350N	-	53.00000	35,000 ft	0	-
FIX	-	-50.00000	10,668 m		
YQX	5E51	48.89958	35,000 ft	300	GANDER VOR-DME

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
VOR	AWY-LO	-54.53500	10,668 m		
TUSKY	N124B	43.56500	35,000 ft	607	-
FIX	AWY-HI	-67.00000	10,668 m		
CANAL	J575	42.66903	35,000 ft	143	-
FIX	AWY-HI	-70.02271	10,668 m		
SCUPP	J575	42.60306	35,000 ft	9	-
FIX	AWY-HI	-70.23037	10,668 m		
BOS	J575	42.35744	35,000 ft	36	BOSTON VOR-DME
VOR	AWY-HI	-70.98956	10,668 m		
MILIS	V16	42.10516	30,500 ft	20	-
FIX	AWY-LO	-71.31156	9,296 m		
WOONS	V16	41.95058	27,800 ft	12	-
FIX	AWY-LO	-71.50704	8,473 m		
HEFTY	V16	41.90533	27,000 ft	3	-
FIX	AWY-LO	-71.56400	8,230 m		
FOSTY	V16	41.84318	25,900 ft	5	-
FIX	AWY-LO	-71.64204	7,894 m		
JEWIT	V16	41.69609	23,300 ft	12	-
FIX	AWY-LO	-71.82588	7,102 m		
ORW	V16	41.55642	20,800 ft	11	NORWICH VOR-DME
VOR	AWY-LO	-71.99936	6,340 m		
KJFK	-	40.63990	0 ft	97	John F Kennedy Intl
APT	-	-73.77666	0 m		

## OTBD

Region: QATAR  
Timezone: ASIA/QATAR  
Runways: 1

Elevation: 37 ft / 11 m  
Location: 25.261100 51.565100  
Magnetic Var: 2.776 E

## METAR

OTBD 070530Z 20005KT 150V250 CAVOK 33/17 Q1008 NOSIG

## TAF

TAF OTBD 062251Z 0700/0806 09007KT CAVOK TEMPO 0700/0704 VRB03KT TEMPO 0700/0706 17006KT PROB30 TEMPO 0709/0715 V

## Frequencies

REC - 126.45 MHz - ATIS  
TWR - 118.65 MHz -  
APP - 121.10 MHz -

TWR - 121.80 MHz - GND  
TWR - 118.90 MHz -  
APP - 119.40 MHz -

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
15	151 ft	15,014 ft	158.21	ASPHALT	2,461 ft	0 ft
	46 m	4,576 m	155.43		750 m	0 m
33	151 ft	15,014 ft	338.21	ASPHALT	0 ft	459 ft
	46 m	4,576 m	335.44		0 m	140 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
33	DME	IBD	109.50 MHz	18 nm	-	-	35 ft
				33 km	-		35 m
15	LOC-ILS	AMD	108.50 MHz	18 nm	158.21	-	37 ft
				33 km	155.43		37 m
33	LOC-ILS	IBD	109.50 MHz	18 nm	338.21	-	37 ft
				33 km	335.43		37 m
15	GS	AMD	108.50 MHz	10 nm	158.21	3.00	37 ft
				19 km	155.43		37 m
33	GS	IBD	109.50 MHz	10 nm	338.21	3.00	35 ft
				19 km	335.43		35 m

## KJFK

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

Elevation: 12 ft / 4 m  
Location: 40.640100 -73.776500  
Magnetic Var: 12.820 W

## METAR

KJFK 070451Z 21004KT 8SM SCT045 BKN220 15/14 A2985 RMK A02 SLP107 T01500144 402170122

## TAF

TAF AMD KJFK 070235Z 0703/0806 20004KT P6SM FEW004 BKN250 TEMPO 0703/0705 3SM BR BKN004 FM070500 26004KT P6SM FEW0

## Frequencies

REC - 115.40 MHz - D-ATIS	REC - 117.70 MHz - D-ATIS
REC - 128.72 MHz - D-ATIS	COM - 122.95 MHz - UNICOM
CLD - 135.05 MHz - CLEARANCE DELIVERY	GND - 121.90 MHz - KENNEDY GROUND
GND - 121.65 MHz - KENNEDY GROUND	TWR - 119.10 MHz - KENNEDY TOWER
TWR - 123.90 MHz - KENNEDY TOWER	APP - 125.70 MHz - NEW YORK APPROACH
APP - 128.12 MHz - NEW YORK APPROACH	APP - 118.40 MHz - NEW YORK APPROACH
APP - 123.70 MHz - NEW YORK APPROACH	APP - 126.80 MHz - NEW YORK APPROACH
APP - 132.40 MHz - NEW YORK APPROACH	APP - 134.35 MHz - NEW YORK APPROACH
DEP - 135.90 MHz - NEW YORK DEPARTURE	DEP - 123.70 MHz - NEW YORK DEPARTURE
DEP - 124.75 MHz - NEW YORK DEPARTURE	DEP - 134.35 MHz - NEW YORK DEPARTURE

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
13R	200 ft	14,526 ft	120.83	CONCRETE	2,057 ft	390 ft
	61 m	4,428 m	133.65		627 m	119 m
31L	200 ft	14,526 ft	300.86	CONCRETE	3,271 ft	495 ft
	61 m	4,428 m	313.68		997 m	151 m
13L	151 ft	10,010 ft	120.85	CONCRETE	912 ft	387 ft
	46 m	3,051 m	133.67		278 m	118 m
31R	151 ft	10,010 ft	300.87	CONCRETE	1,037 ft	177 ft
	46 m	3,051 m	313.69		316 m	54 m
04R	200 ft	8,407 ft	30.67	ASPHALT	0 ft	440 ft
	61 m	2,562 m	43.49		0 m	134 m
22L	200 ft	8,407 ft	210.68	ASPHALT	0 ft	505 ft
	61 m	2,562 m	223.50		0 m	154 m
04L	200 ft	12,091 ft	30.67	CONCRETE	459 ft	200 ft
	61 m	3,685 m	43.49		140 m	61 m
22R	200 ft	12,091 ft	210.68	CONCRETE	3,425 ft	407 ft
	61 m	3,685 m	223.50		1,044 m	124 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
04L	DME	IHIQ	110.90 MHz	18 nm	-	-	13 ft
				33 km	-		13 m
04R	DME	IJFK	109.50 MHz	18 nm	-	-	13 ft
				33 km	-		13 m
13L	DME	ITLK	111.50 MHz	18 nm	-	-	13 ft
				33 km	-		13 m
22L	DME	IIWY	110.90 MHz	18 nm	-	-	13 ft
				33 km	-		13 m



Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
22R	DME	IJOC	109.50 MHz	18 nm 33 km	- -	-	13 ft 13 m
31R	DME	IRTH	111.50 MHz	18 nm 33 km	- -	-	13 ft 13 m
04L	LOC-ILS	IHIQ	110.90 MHz	18 nm 33 km	30.68 43.50	-	12 ft 12 m
04R	LOC-ILS	IJFK	109.50 MHz	18 nm 33 km	30.67 43.49	-	12 ft 12 m
13L	LOC-ILS	ITLK	111.50 MHz	18 nm 33 km	120.87 133.69	-	12 ft 12 m
22L	LOC-ILS	IIWY	110.90 MHz	18 nm 33 km	210.67 223.49	-	12 ft 12 m
22R	LOC-ILS	IJOC	109.50 MHz	18 nm 33 km	210.68 223.50	-	12 ft 12 m
31L	LOC-ILS	IMOH	111.35 MHz	18 nm 33 km	300.84 313.66	-	12 ft 12 m
31R	LOC-ILS	IRTH	111.50 MHz	18 nm 33 km	300.87 313.69	-	12 ft 12 m
04L	GS	IHIQ	110.90 MHz	10 nm 19 km	30.68 43.50	3.00	12 ft 12 m
04R	GS	IJFK	109.50 MHz	10 nm 19 km	30.67 43.49	3.00	12 ft 12 m
13L	GS	ITLK	111.50 MHz	10 nm 19 km	120.87 133.69	3.00	12 ft 12 m
22L	GS	IIWY	110.90 MHz	10 nm 19 km	210.67 223.49	3.00	12 ft 12 m
22R	GS	IJOC	109.50 MHz	10 nm 19 km	210.68 223.50	3.00	12 ft 12 m
31L	GS	IMOH	111.35 MHz	10 nm 19 km	300.84 313.66	3.00	12 ft 12 m
31R	GS	IRTH	111.50 MHz	10 nm 19 km	300.87 313.69	3.00	12 ft 12 m