

KBOS

General Edward Lawrence Logan Intl

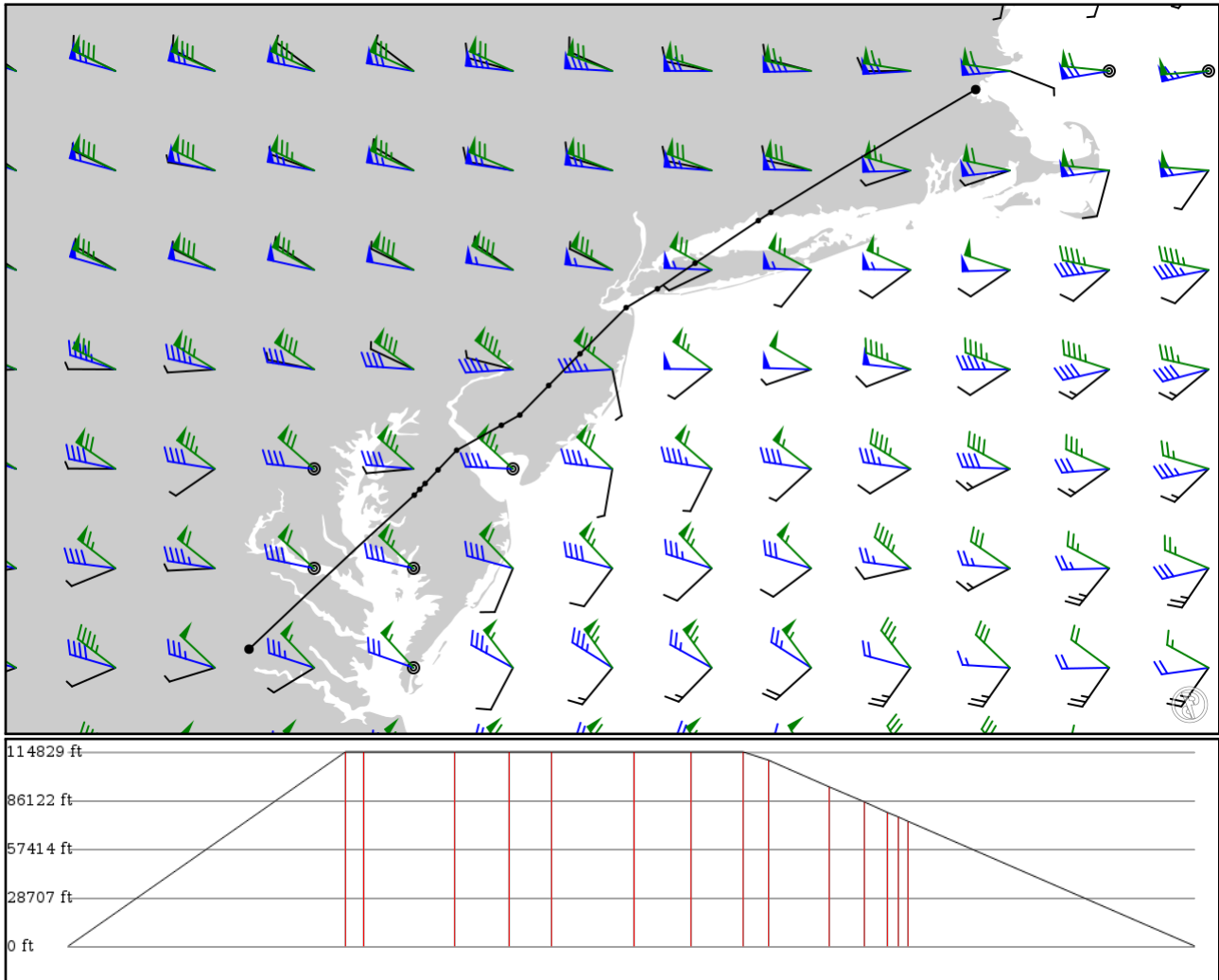
KRIC

Richmond Intl

2024/06/16 0751Z

KBOS RAALF J225 VCN V16 ENO V157 CANNY J191 RIDGY V157 ORETE KRIC

413.70 nm / 766.18 km



Notes

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
KBOS	-	42.36300	0 ft	-	General Edward Lawrence Logan Intl	
APT	-	-71.00680	0 m			
RAALF	-	41.29770	35,000 ft	102	-	
FIX	-	-72.78620	10,668 m			
BAWLL	J225	41.22530	35,000 ft	6	-	
FIX	AWY-HI	-72.89510	10,668 m			
NEWES	J225	40.85560	35,000 ft	33	-	
FIX	AWY-HI	-73.44490	10,668 m			
JFK	J225	40.63290	35,000 ft	19	KENNEDY (NEW YORK)	
VOR	AWY-HI	-73.77140	10,668 m			
HNNAH	J225	40.47020	35,000 ft	15	-	
FIX	AWY-HI	-74.04350	10,668 m			
LUIGI	J225	40.06930	35,000 ft	30	-	
FIX	AWY-HI	-74.44450	10,668 m			
DITCH	J225	39.79380	35,000 ft	20	-	
FIX	AWY-HI	-74.71660	10,668 m			
VCN	J225	39.53770	35,000 ft	19	CEDAR LAKE (MILLVILLE)	
VOR	AWY-HI	-74.96710	10,668 m			
BRIEF	V16	39.44870	33,500 ft	9	-	
FIX	AWY-LO	-75.12770	10,211 m			
ENO	V16	39.23160	28,700 ft	22	SMYRNA (KENTON)	
VOR	AWY-LO	-75.51600	8,748 m			
CANNY	V157	39.06110	26,000 ft	12	-	
FIX	AWY-LO	-75.67800	7,925 m			
RIDGY	J191	38.94300	24,100 ft	8	-	
FIX	AWY-HI	-75.78980	7,346 m			
HEDGE	V157	38.89230	23,300 ft	3	-	
FIX	AWY-LO	-75.83730	7,102 m			
ORETE	V157	38.84230	22,500 ft	3	-	
FIX	AWY-LO	-75.88440	6,858 m			
KRIC	-	37.50470	0 ft	105	Richmond Intl	
APT	-	-77.32020	0 m			

KBOS

Region: UNITED STATES
Timezone: AMERICA/NEW_YORK
Runways: 6

Elevation: 19 ft / 6 m
Location: 42.363000 -71.006800
Magnetic Var: 14.281 W

METAR

KBOS 160654Z 33006KT 10SM CLR 15/06 A3017 RMK A02 SLP217 T01500061 \$

TAF

TAF KBOS 160520Z 1606/1712 34007KT P6SM SKC FM161300 02005KT P6SM SKC FM161500 10010KT P6SM FEW250 FM162200 19008

Frequencies

REC - 135.00 MHz - D-ATIS	COM - 122.95 MHz - UNICOM
CLD - 121.65 MHz - CLEARANCE DELIVERY	GND - 121.75 MHz - BOSTON GROUND
GND - 121.90 MHz - BOSTON GROUND	TWR - 128.80 MHz - BOSTON TOWER
TWR - 124.72 MHz - BOSTON TOWER	TWR - 132.22 MHz - BOSTON TOWER
APP - 118.25 MHz - BOSTON APPROACH	APP - 120.60 MHz - BOSTON APPROACH
APP - 127.20 MHz - BOSTON APPROACH	DEP - 133.00 MHz - BOSTON DEPARTURE

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
15R	148 ft	10,092 ft	135.27	ASPHALT	883 ft	197 ft
	45 m	3,076 m	149.55		269 m	60 m
33L	148 ft	10,092 ft	315.29	ASPHALT	0 ft	167 ft
	45 m	3,076 m	329.57		0 m	51 m
04R	148 ft	10,012 ft	19.69	ASPHALT	1,155 ft	420 ft
	45 m	3,052 m	33.97		352 m	128 m
22L	148 ft	10,012 ft	199.69	ASPHALT	1,201 ft	200 ft
	45 m	3,052 m	213.97		366 m	61 m
04L	148 ft	7,871 ft	19.66	ASPHALT	0 ft	1,250 ft
	45 m	2,399 m	33.94		0 m	381 m
22R	148 ft	7,871 ft	199.66	ASPHALT	820 ft	200 ft
	45 m	2,399 m	213.94		250 m	61 m
09	148 ft	7,008 ft	76.51	ASPHALT	0 ft	932 ft
	45 m	2,136 m	90.79		0 m	284 m
27	148 ft	7,008 ft	256.53	ASPHALT	0 ft	161 ft
	45 m	2,136 m	270.81		0 m	49 m
14	98 ft	5,005 ft	125.76	ASPHALT	0 ft	0 ft
	30 m	1,526 m	140.04		0 m	0 m
32	98 ft	5,005 ft	305.77	ASPHALT	0 ft	801 ft
	30 m	1,526 m	320.05		0 m	244 m
15L	98 ft	2,558 ft	135.31	ASPHALT	0 ft	305 ft
	30 m	780 m	149.59		0 m	93 m
33R	98 ft	2,558 ft	315.31	ASPHALT	0 ft	59 ft
	30 m	780 m	329.59		0 m	18 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
04R	DME	IBOS	110.30 MHz	18 nm	-	-	35 ft
				33 km	-		35 m
15R	DME	IMDC	110.70 MHz	18 nm	-	-	27 ft
				33 km	-		27 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
22L	DME	ILQN	110.30 MHz	18 nm 33 km	- -	-	35 ft 35 m
27	DME	IDGU	111.30 MHz	18 nm 33 km	- -	-	28 ft 28 m
33L	DME	ILIP	110.70 MHz	18 nm 33 km	- -	-	19 ft 19 m
04R	LOC-ILS	IBOS	110.30 MHz	18 nm 33 km	19.68 33.96	-	20 ft 20 m
15R	LOC-ILS	IMDC	110.70 MHz	18 nm 33 km	135.28 149.56	-	20 ft 20 m
22L	LOC-ILS	ILQN	110.30 MHz	18 nm 33 km	199.68 213.96	-	20 ft 20 m
27	LOC-ILS	IDGU	111.30 MHz	18 nm 33 km	256.52 270.80	-	20 ft 20 m
33L	LOC-ILS	ILIP	110.70 MHz	18 nm 33 km	315.28 329.56	-	20 ft 20 m
04R	GS	IBOS	110.30 MHz	10 nm 19 km	19.68 33.96	3.00	20 ft 20 m
15R	GS	IMDC	110.70 MHz	10 nm 19 km	135.28 149.56	3.00	20 ft 20 m
22L	GS	ILQN	110.30 MHz	10 nm 19 km	199.68 213.96	3.00	20 ft 20 m
27	GS	IDGU	111.30 MHz	10 nm 19 km	256.52 270.80	3.00	20 ft 20 m
33L	GS	ILIP	110.70 MHz	10 nm 19 km	315.28 329.56	3.00	20 ft 20 m

KRIC

Region: UNITED STATES
Timezone: AMERICA/NEW_YORK
Runways: 3

Elevation: 168 ft / 51 m
Location: 37.504700 -77.320200
Magnetic Var: 10.511 W

METAR

KRIC 160654Z 00000KT 10SM CLR 18/14 A3013 RMK A02 SLP205 T01780144

TAF

TAF KRIC 160520Z 1606/1706 VRB03KT P6SM SKC FM161500 13008KT P6SM SCT060 FM170000 VRB05KT P6SM SKC

Frequencies

REC - 119.15 MHz - ATIS	COM - 122.95 MHz - RICHMOND UNICOM
GND - 121.90 MHz - RICHMOND GROUND	TWR - 121.10 MHz - RICHMOND TOWER
CLD - 127.55 MHz - CLEARANCE DELIVERY	DEP - 126.40 MHz - POTOMAC DEPARTURE
DEP - 126.75 MHz - POTOMAC DEPARTURE	APP - 118.20 MHz - POTOMAC APPROACH
APP - 126.40 MHz - POTOMAC APPROACH	APP - 126.75 MHz - POTOMAC APPROACH

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
16	150 ft	9,012 ft	147.57	ASPHALT	0 ft	1,004 ft
	46 m	2,747 m	158.08		0 m	306 m
34	150 ft	9,012 ft	327.58	ASPHALT	0 ft	994 ft
	46 m	2,747 m	338.09		0 m	303 m
02	150 ft	6,620 ft	13.41	ASPHALT	0 ft	200 ft
	46 m	2,018 m	23.92		0 m	61 m
20	150 ft	6,620 ft	193.41	ASPHALT	0 ft	276 ft
	46 m	2,018 m	203.92		0 m	84 m
07	100 ft	5,180 ft	57.36	ASPHALT	0 ft	190 ft
	30 m	1,579 m	67.87		0 m	58 m
25	100 ft	5,180 ft	237.37	ASPHALT	0 ft	0 ft
	30 m	1,579 m	247.88		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
02	LOC-ILS	IEZD	110.90 MHz	18 nm	13.41	-	168 ft
				33 km	23.92		168 m
16	LOC-ILS	IRGJ	110.70 MHz	18 nm	147.58	-	168 ft
				33 km	158.09		168 m
34	LOC-ILS	IBNE	110.70 MHz	18 nm	327.58	-	168 ft
				33 km	338.09		168 m
02	GS	IEZD	110.90 MHz	10 nm	13.41	3.00	168 ft
				19 km	23.92		168 m
16	GS	IRGJ	110.70 MHz	10 nm	147.58	3.00	168 ft
				19 km	158.09		168 m
34	GS	IBNE	110.70 MHz	10 nm	327.58	3.00	168 ft
				19 km	338.09		168 m