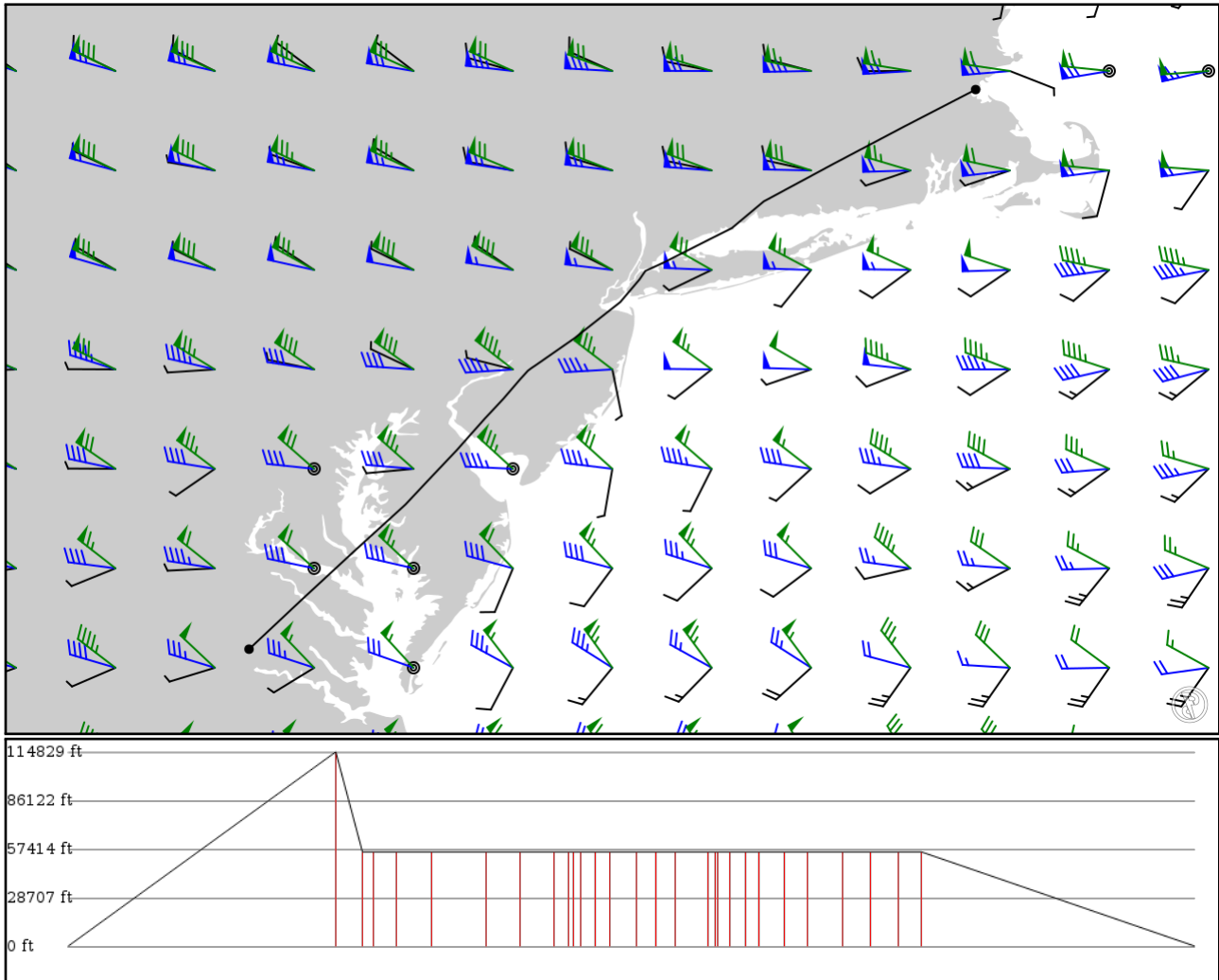


2024/06/06 2324Z

KRIC CHOPS **V157** ENO **V213** DAVYS **V123** LGA **V433** BDR **V229** SEALL KBOS

415.32 nm / 769.18 km



Notes

Basic altitude profile:

- Ascent Rate: 700ft/min
- Ascent Speed: 130kts
- Cruise Altitude: 14000ft
- Cruise Speed: 160kts
- Descent Rate: 700ft/min
- Descent Speed: 130kts

Options:

- Use NATs: no
- Use PACOTS: no
- Use low airways: yes
- Use high airways: no

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
KRIC APT	-	37.50473 -77.32011	0 ft 0 m	-	Richmond Intl
CHOPS FIX	-	38.76161 -75.96005	35,000 ft 10,668 m	99	-
HEDGE FIX	V157 AWY-LO	38.89225 -75.83735	17,000 ft 5,182 m	9	-
RIDGY FIX	V157 AWY-LO	38.94297 -75.78981	17,000 ft 5,182 m	3	-
CANNY FIX	V157 AWY-LO	39.06109 -75.67796	17,000 ft 5,182 m	8	-
ENO VOR	V157 AWY-LO	39.23164 -75.51597	17,000 ft 5,182 m	12	SMYRNA VORTAC
SKIPY FIX	V213 AWY-LO	39.50624 -75.27183	17,000 ft 5,182 m	20	-
BESSI FIX	V213 AWY-LO	39.67634 -75.11237	17,000 ft 5,182 m	12	-
EDJER FIX	V213 AWY-LO	39.84873 -74.96388	17,000 ft 5,182 m	12	-
DAVYS FIX	V213 AWY-LO	39.92239 -74.89716	17,000 ft 5,182 m	5	-
ENZEW FIX	V123 AWY-LO	39.94472 -74.86726	17,000 ft 5,182 m	1	-
HOLEY FIX	V123 AWY-LO	39.97159 -74.82688	17,000 ft 5,182 m	2	-
BRAND FIX	V123 AWY-LO	40.03508 -74.73597	17,000 ft 5,182 m	5	-
KORRY FIX	V123 AWY-LO	40.09384 -74.65154	17,000 ft 5,182 m	5	-
RBV VOR	V123 AWY-LO	40.20239 -74.49503	17,000 ft 5,182 m	9	ROBBINSVILLE VORTAC
TYKES FIX	V123 AWY-LO	40.28955 -74.38504	17,000 ft 5,182 m	7	-
MINKS FIX	V123 AWY-LO	40.37487 -74.27697	17,000 ft 5,182 m	7	-
RENUE FIX	V123 AWY-LO	40.51853 -74.09408	17,000 ft 5,182 m	12	-
APPLE FIX	V123 AWY-LO	40.55614 -74.06225	17,000 ft 5,182 m	2	-
TICKL FIX	V123 AWY-LO	40.56808 -74.05214	17,000 ft 5,182 m	0	-
PROUD FIX	V123 AWY-LO	40.62981 -73.99975	17,000 ft 5,182 m	4	-
DIALS FIX	V123 AWY-LO	40.71557 -73.92677	17,000 ft 5,182 m	6	-
LGA DME	V123 AWY-LO	40.78793 -73.87738	17,000 ft 5,182 m	4	LA GUARDIA VOR-DME
DUNBO FIX	V433 AWY-LO	40.86752 -73.70463	17,000 ft 5,182 m	9	-
BLLUT FIX	V433 AWY-LO	40.94716 -73.54829	17,000 ft 5,182 m	8	-
PRENO FIX	V433 AWY-LO	41.06556 -73.31406	17,000 ft 5,182 m	12	-
BDR	V433	41.16069	17,000 ft	10	BRIDGEPORT VOR-DME

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
VOR	AWY-LO	-73.12450	5,182 m		
BAYYS	V229	41.28924	17,000 ft	10	-
FIX	AWY-LO	-72.97131	5,182 m		
SEALL	V229	41.39271	17,000 ft	8	-
FIX	AWY-LO	-72.84738	5,182 m		
KBOS	-	42.36306	0 ft	100	Boston Logan Intl
APT	-	-71.00696	0 m		

KRIC

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

Elevation: 168 ft / 51 m
Location: 37.504700 -77.320200
Magnetic Var: 10.510 W

METAR

KRIC 062216Z 18003KT 10SM FEW007 FEW037 SCT060 BKN130 BKN200 23/22 A2960 RMK AO2 RAE16 TSE16 CB DSNT E P0008 T0233

TAF

KRIC 062103Z 0621/0718 23012KT P6SM -SHRA VCTS BKN045CB TEMPO 0621/0623 VRB25G40KT 2SM TSRA FM070000 23007KT P6SM

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

KBOS

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

Elevation: 19 ft / 6 m
Location: 42.363000 -71.006800
Magnetic Var: 14.282 W

METAR

KBOS 062234Z 06006KT 1/2SM R04R/2000V4500FT FG VV002 17/17 A2954 RMK A02 TWR VIS 1 T01720167

TAF

TAF AMD KBOS 062126Z 0621/0724 10015KT P6SM FEW015 SCT028 BKN130 TEMPO 0621/0623 2SM BR BKN007 FM062300 12007KT P6

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	213.98		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