

KBWI

Baltimore/Washington International Thurgood Marshall Airport

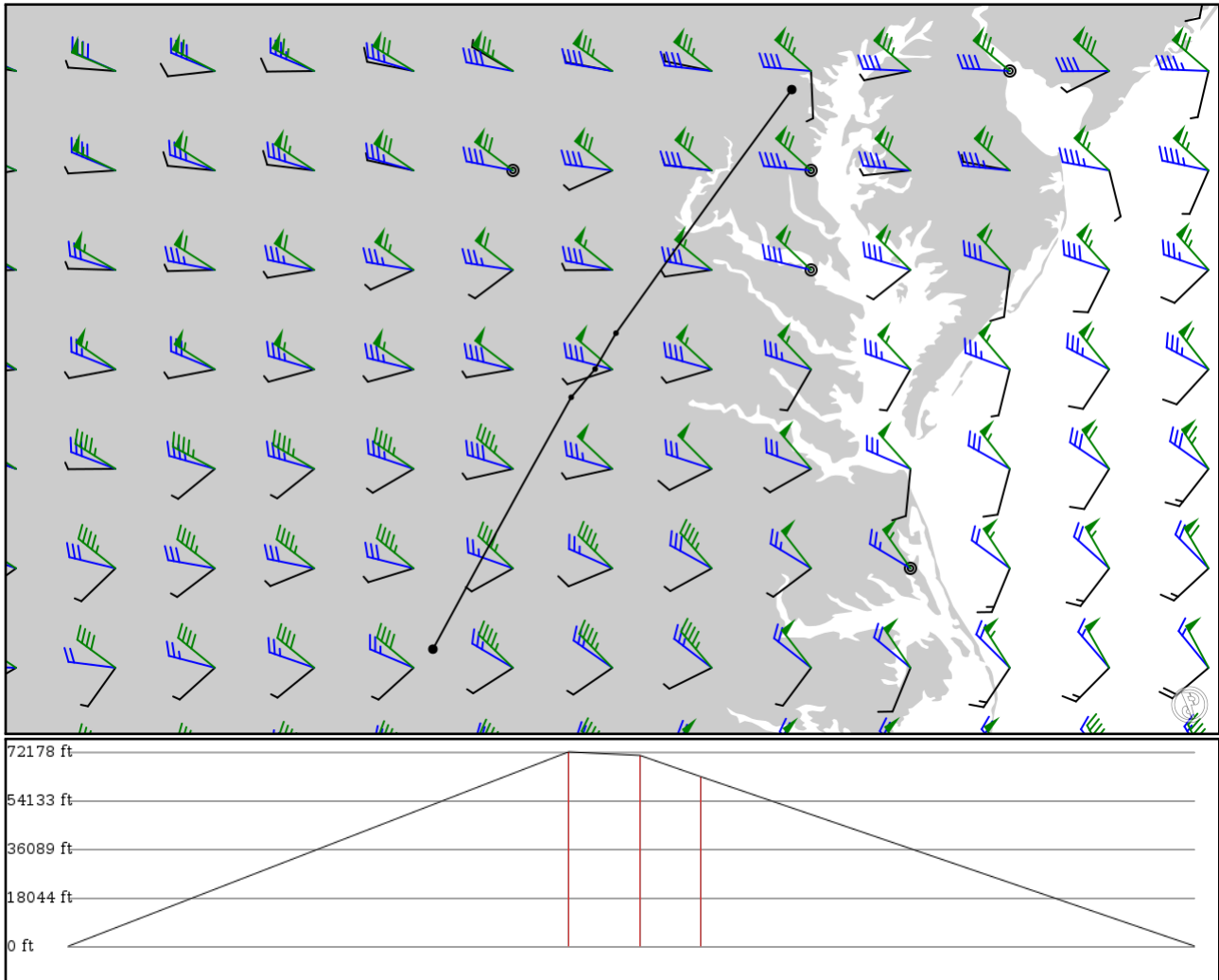
2024/06/04 0520Z

KBWI ROOKY V155 FAK V3 CARML KRDU

222.71 nm / 412.46 km

KRDU

Raleigh Durham Intl



Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 22000ft
- Cruise Speed: 455kts
- Descent Rate: 1500ft/min
- Descent Speed: 250kts

Options:

- Use NATs: yes
- Use PACOTS: yes
- Use low airways: yes
- Use high airways: yes

Route

Ident		Via	Lat	Alt	Dist	Name
Type			Lon		(nm)	
KBWI	-	39.17680	0 ft	-	Baltimore/Washington International	Thurgood Marshall Airport
APT	-	-76.66720	0 m			
ROOKY	-	37.74010	22,000 ft	99	-	
FIX	-	-77.70490	6,706 m			
FAK	V155	37.52850	21,600 ft	13	FLAT ROCK	
VOR	AWY-LO	-77.82820	6,584 m			
CARML	V3	37.36180	19,200 ft	12	-	
FIX	AWY-LO	-77.96900	5,852 m			
KRDU	-	35.87590	0 ft	97	Raleigh Durham Intl	
APT	-	-78.78560	0 m			

KBWI

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

Elevation: 145 ft / 44 m
Location: 39.176800 -76.667200
Magnetic Var: 11.134 W

METAR

KBWI 040454Z 00000KT 10SM BKN060 22/17 A2994 RMK AO2 SLP136 T02170172 403000200

TAF

KBWI 040300Z 0403/0506 22005KT P6SM FEW100 FM040900 00000KT 5SM BR SCT150 FM041400 06003KT P6SM SCT040 BKN130 FM041800 00000KT 5SM BR SCT150 FM042300 00000KT 5SM BR SCT150

Frequencies

REC - 115.10 MHz - BALTIMORE ATIS
CLD - 118.05 MHz - BALTIMORE CLEARANCE
TWR - 119.40 MHz - BALTIMORE TOWER
DEP - 124.55 MHz - POTOMAC DEPARTURE
COM - 122.95 MHz - BALTIMORE UNICOM
GND - 121.90 MHz - BALTIMORE GROUND
APP - 119.00 MHz - POTOMAC APPROACH

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
10	150 ft	10,512 ft	94.21	ASPHALT	548 ft	381 ft
	46 m	3,204 m	105.34		167 m	116 m
28	150 ft	10,512 ft	274.23	ASPHALT	699 ft	384 ft
	46 m	3,204 m	285.37		213 m	117 m
15R	150 ft	9,509 ft	144.32	ASPHALT	299 ft	397 ft
	46 m	2,899 m	155.46		91 m	121 m
33L	150 ft	9,509 ft	324.33	ASPHALT	499 ft	197 ft
	46 m	2,899 m	335.47		152 m	60 m
15L	100 ft	5,005 ft	144.33	ASPHALT	0 ft	0 ft
	30 m	1,525 m	155.46		0 m	0 m
33R	100 ft	5,005 ft	324.34	ASPHALT	0 ft	0 ft
	30 m	1,525 m	335.47		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
10	LOC-ILS	IBAL	109.70 MHz	18 nm	94.22	-	145 ft
				33 km	105.35		145 m
15L	LOC-ILS	IUQC	111.95 MHz	18 nm	144.34	-	145 ft
				33 km	155.47		145 m
15R	LOC-ILS	IFND	111.70 MHz	18 nm	144.33	-	145 ft
				33 km	155.46		145 m
28	LOC-ILS	IOEH	109.70 MHz	18 nm	274.22	-	145 ft
				33 km	285.35		145 m
33L	LOC-ILS	IRUX	111.70 MHz	18 nm	324.34	-	145 ft
				33 km	335.47		145 m
33R	LOC-ILS	IBWI	111.95 MHz	18 nm	324.33	-	145 ft
				33 km	335.46		145 m
10	GS	IBAL	109.70 MHz	10 nm	94.22	3.00	145 ft
				19 km	105.35		145 m
15L	GS	IUQC	111.95 MHz	10 nm	144.34	3.00	145 ft
				19 km	155.47		145 m
15R	GS	IFND	111.70 MHz	10 nm	144.33	3.00	145 ft
				19 km	155.46		145 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
28	GS	IOEH	109.70 MHz	10 nm	274.22	3.00	145 ft
				19 km	285.35		145 m
33L	GS	IRUX	111.70 MHz	10 nm	324.34	3.00	145 ft
				19 km	335.47		145 m
33R	GS	IBWI	111.95 MHz	10 nm	324.33	3.00	145 ft
				19 km	335.46		145 m

KRDU

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

Elevation: 435 ft / 133 m
Location: 35.875900 -78.785600
Magnetic Var: 9.444 W

METAR

KRDU 040451Z 23006KT 10SM FEW050 BKN075 BKN090 BKN250 24/19 A2996 RMK SLP138 T02390194 403170206 \$

TAF

TAF KRDU 032328Z 0400/0424 22010KT P6SM VCSH SCT035 SCT100 BKN250 FM040200 VRB03KT P6SM SCT070 BKN250 FM041800 23010KT

Frequencies

REC - 123.80 MHz - ATIS	CLD - 120.10 MHz - CLEARANCE DELIVERY
GND - 121.70 MHz - RALEIGH GROUND	GND - 121.90 MHz - RALEIGH GROUND
GND - 130.17 MHz - RAMP CONTROL TERMINAL 2	TWR - 119.30 MHz - RALEIGH TOWER
TWR - 127.45 MHz - RALEIGH TOWER	APP - 127.67 MHz - RALEIGH APPROACH
DEP - 132.35 MHz - RALEIGH DEPARTURE	DEP - 125.30 MHz - RALEIGH DEPARTURE
COM - 122.95 MHz - RALEIGH UNICOM	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
14	98 ft	3,573 ft	135.28	ASPHALT	0 ft	0 ft
	30 m	1,089 m	144.72		0 m	0 m
32	98 ft	3,573 ft	315.28	ASPHALT	0 ft	0 ft
	30 m	1,089 m	324.73		0 m	0 m
05R	151 ft	7,507 ft	45.02	ASPHALT	0 ft	197 ft
	46 m	2,288 m	54.46		0 m	60 m
23L	151 ft	7,507 ft	225.03	ASPHALT	0 ft	197 ft
	46 m	2,288 m	234.48		0 m	60 m
05L	151 ft	10,010 ft	45.02	CONCRETE	0 ft	197 ft
	46 m	3,051 m	54.47		0 m	60 m
23R	151 ft	10,010 ft	225.04	CONCRETE	0 ft	194 ft
	46 m	3,051 m	234.48		0 m	59 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
05L	DME	IGKK	109.10 MHz	18 nm	-	-	411 ft
				33 km	-		411 m
23R	DME	IDMP	111.70 MHz	18 nm	-	-	435 ft
				33 km	-		435 m
05L	LOC-ILS	IGKK	109.10 MHz	18 nm	45.03	-	435 ft
				33 km	54.47		435 m
05R	LOC-ILS	IRDU	109.50 MHz	18 nm	45.03	-	435 ft
				33 km	54.47		435 m
23L	LOC-ILS	ILEI	108.50 MHz	18 nm	225.03	-	435 ft
				33 km	234.47		435 m
23R	LOC-ILS	IDMP	111.70 MHz	18 nm	225.03	-	435 ft
				33 km	234.47		435 m
05L	GS	IGKK	109.10 MHz	10 nm	45.03	3.00	435 ft
				19 km	54.47		435 m
05R	GS	IRDU	109.50 MHz	10 nm	45.03	3.00	435 ft
				19 km	54.47		435 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
23L	GS	ILEI	108.50 MHz	10 nm	225.03	3.00	435 ft
				19 km	234.47		435 m
23R	GS	IDMP	111.70 MHz	10 nm	225.03	3.00	435 ft
				19 km	234.47		435 m