KBWI
Baltimore Washington Intl

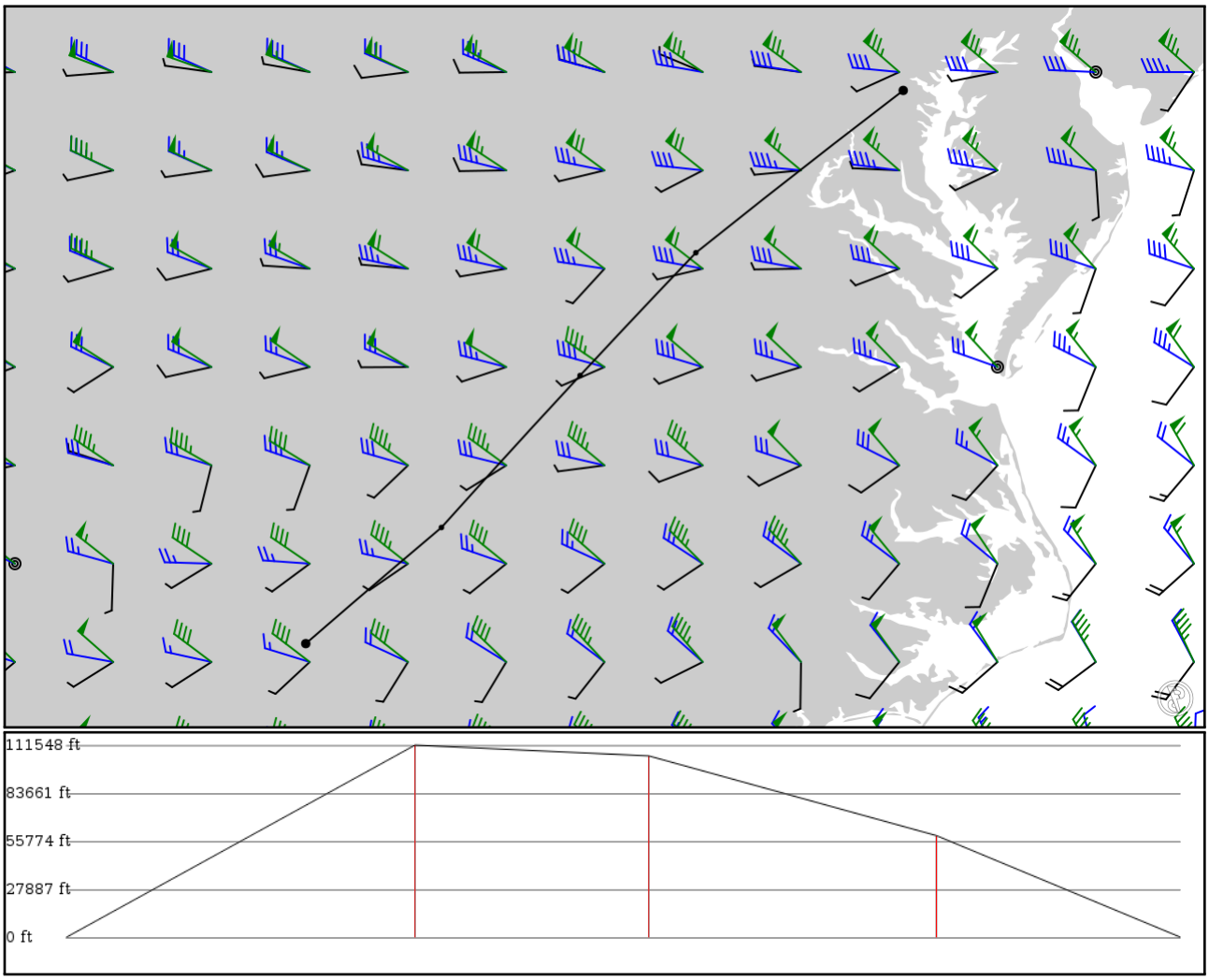
-

KCLT
Charlotte Douglas Intl

2024/05/07 0554Z

KBWI GVE **J75** GSO KCLT

314.59 nm / 582.62 km



Notes

Basic altitude profile:
- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 37000ft
- 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
KBWI APT	- -	39.17601 -76.66682	0 ft 0 m	-	Baltimore Washington Intl
GVE VOR	- -	38.01361 -78.15303	34,000 ft 10,363 m	98	GORDONSVILLE VORTAC
DRAIK FIX	J75 AWY-HI	37.13393 -78.98296	32,100 ft 9,784 m	65	-
GSO VOR	J75 AWY-HI	36.04569 -79.97639	18,000 ft 5,486 m	81	GREENSBORO VORTAC
KCLT APT	- -	35.21397 -80.94859	0 ft 0 m	68	Charlotte Douglas Intl

KBWI

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

Elevation: 145 ft / 44 m
Location: 39.176800 -76.667200
Magnetic Var: 11.133 W

METAR

KBWI 070512Z 00000KT 7SM -RA SCT020 BKN060 OVC120 18/18 A2984 RMK AO2 P0000 T01830183

TAF

KBWI 070258Z 0703/0806 15003KT P6SM VCSH FEW035 OVC080 FM070500 17003KT 5SM BR BKN015 OVC060 FM070800 00000KT 2SM

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

Approach Navaids

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

KCLT

Region: UNITED STATES
Timezone: AMERICA/NEW_YORK
Runways: 4

Elevation: 748 ft / 228 m
Location: 35.213800 -80.948500
Magnetic Var: 8.054 W

METAR

KCLT 070452Z 22007KT 10SM FEW021 SCT031 BKN044 BKN150 OVC250 19/17 A2993 RMK AO2 LTG DSNT N AND SE RAB19E46 SLP143

TAF

KCLT 062329Z 0700/0806 20005KT P6SM VCSH FEW030 BKN100 FM070600 21005KT P6SM VCSH BKN025 FM071000 22004KT 6SM BR V

Frequencies

REC - 121.15 MHz - ATIS (ARRIVAL)
COM - 122.95 MHz - UNICOM
GND - 121.80 MHz - CHARLOTTE GROUND
TWR - 133.35 MHz - CHARLOTTE TOWER
TWR - 118.10 MHz - CHARLOTTE TOWER
DEP - 128.32 MHz - CHARLOTTE DEPARTURE
DEP - 120.50 MHz - CHARLOTTE DEPARTURE
APP - 134.75 MHz - CHARLOTTE APPROACH
APP - 126.15 MHz - CHARLOTTE APPROACH
APP - 120.50 MHz - CHARLOTTE APPROACH

REC - 132.10 MHz - ATIS (DEPARTURE)
CLD - 127.15 MHz - CLEARANCE DELIVERY
GND - 121.90 MHz - CHARLOTTE GROUND
TWR - 126.40 MHz - CHARLOTTE TOWER
DEP - 134.75 MHz - CHARLOTTE DEPARTURE
DEP - 124.00 MHz - CHARLOTTE DEPARTURE
DEP - 120.05 MHz - CHARLOTTE DEPARTURE
APP - 128.32 MHz - CHARLOTTE APPROACH
APP - 124.00 MHz - CHARLOTTE APPROACH
APP - 120.05 MHz - CHARLOTTE APPROACH

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
18R	151 ft 46 m	9,008 ft 2,746 m	175.98 184.04	CONCRETE	0 ft 0 m	0 ft 0 m
36L	151 ft 46 m	9,008 ft 2,746 m	355.98 4.04	CONCRETE	0 ft 0 m	0 ft 0 m
18C	151 ft 46 m	10,009 ft 3,051 m	175.98 184.03	CONCRETE	0 ft 0 m	0 ft 0 m
36C	151 ft 46 m	10,009 ft 3,051 m	355.98 4.03	CONCRETE	0 ft 0 m	0 ft 0 m
18L	151 ft 46 m	8,686 ft 2,648 m	176.00 184.05	ASPHALT	0 ft 0 m	0 ft 0 m
36R	151 ft 46 m	8,686 ft 2,648 m	356.00 4.05	ASPHALT	0 ft 0 m	0 ft 0 m
05	151 ft 46 m	7,510 ft 2,289 m	48.35 56.40	ASPHALT	0 ft 0 m	148 ft 45 m
23	151 ft 46 m	7,510 ft 2,289 m	228.36 236.41	ASPHALT	0 ft 0 m	148 ft 45 m

Approach Navaids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
18R	DME	IRGS	110.15 MHz	18 nm 33 km	- -	-	749 ft 749 m
23	DME	IAPU	109.50 MHz	18 nm 33 km	- -	-	749 ft 749 m
36L	DME	IXUU	110.15 MHz	18 nm 33 km	- -	-	749 ft 749 m
36R	DME	IBQC	108.90 MHz	18 nm 33 km	- -	-	749 ft 749 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
05	LOC-ILS	ICLT	110.95 MHz	18 nm 33 km	48.37 56.42	-	749 ft 749 m
18C	LOC-ILS	IPEP	111.30 MHz	18 nm 33 km	175.98 184.03	-	748 ft 748 m
18L	LOC-ILS	IVKQ	110.35 MHz	18 nm 33 km	176.00 184.05	-	748 ft 748 m
18R	LOC-ILS	IRGS	110.15 MHz	18 nm 33 km	175.98 184.03	-	748 ft 748 m
23	LOC-ILS	IAPU	109.50 MHz	18 nm 33 km	228.35 236.40	-	748 ft 748 m
36C	LOC-ILS	IDQG	111.70 MHz	18 nm 33 km	355.98 4.03	-	748 ft 748 m
36L	LOC-ILS	IXUU	110.15 MHz	18 nm 33 km	355.98 4.03	-	748 ft 748 m
36R	LOC-ILS	IBQC	108.90 MHz	18 nm 33 km	356.00 4.05	-	748 ft 748 m
05	GS	ICLT	110.95 MHz	10 nm 19 km	48.35 56.40	3.00	748 ft 748 m
18C	GS	IPEP	111.30 MHz	10 nm 19 km	175.98 184.03	3.00	748 ft 748 m
18L	GS	IVKQ	110.35 MHz	10 nm 19 km	176.00 184.05	3.00	748 ft 748 m
18R	GS	IRGS	110.15 MHz	10 nm 19 km	175.98 184.03	3.00	748 ft 748 m
23	GS	IAPU	109.50 MHz	10 nm 19 km	228.35 236.40	3.00	748 ft 748 m
36C	GS	IDQG	111.70 MHz	10 nm 19 km	355.98 4.03	3.00	748 ft 748 m
36L	GS	IXUU	110.15 MHz	10 nm 19 km	355.98 4.03	3.00	748 ft 748 m
36R	GS	IBQC	108.90 MHz	10 nm 19 km	356.00 4.05	3.00	748 ft 748 m