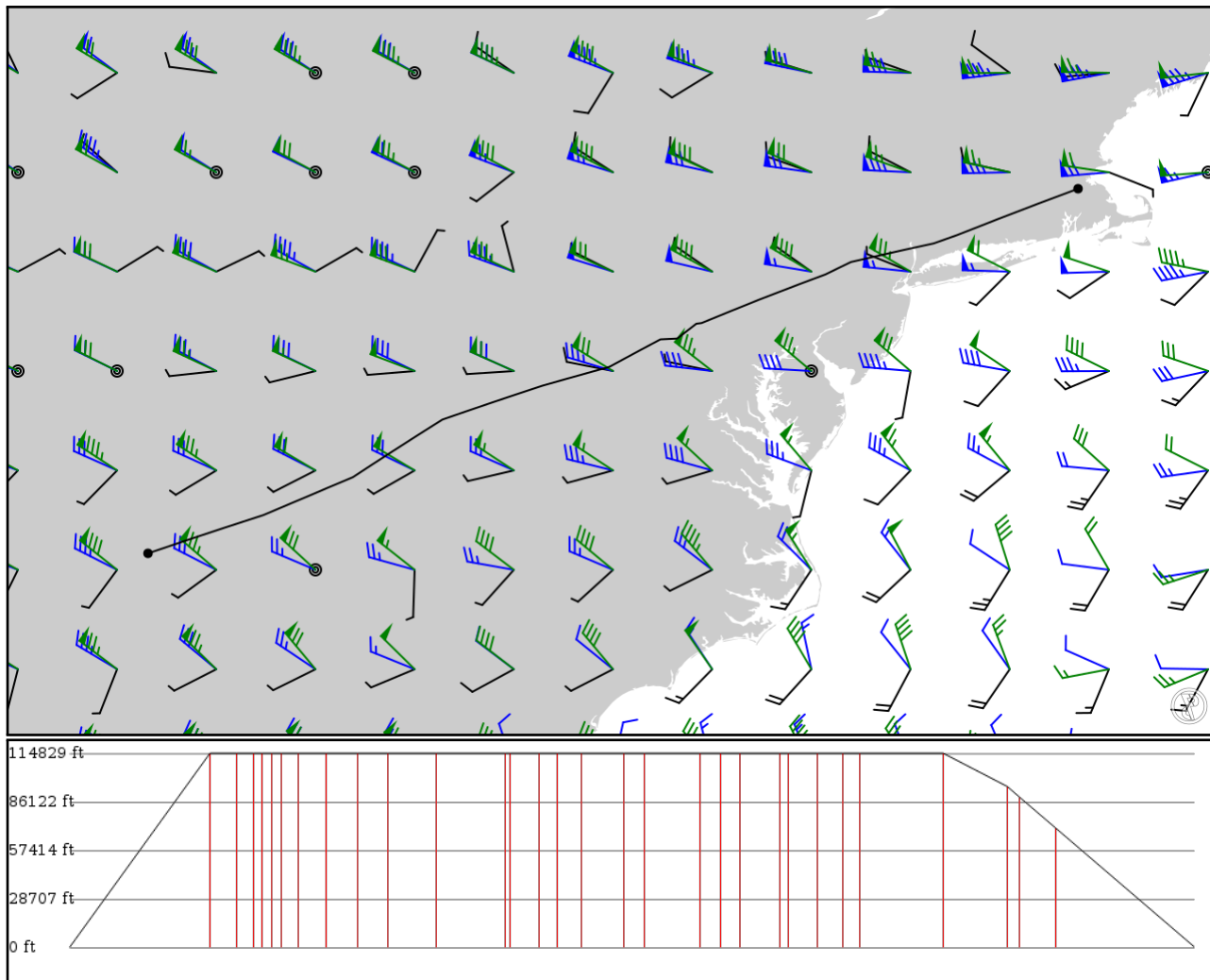


2024/05/06 1245Z

KOWD RACEY V3 CMK V374 VOLLU V39 SAX J60 CANDR Q480 SPOTZ Q42 HOTEV Q480 BEETS SCAPE V377 ESL V4
HVQ V115 AZQ V140 WNSOR KBNA

814.43 nm / 1508.33 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
KOWD APT	-	42.19050 -71.17290	0 ft 0 m	-	NORWOOD MEM
RACEY FIX	-	41.41690 -73.19390	35,000 ft 10,668 m	101	-
CMK VOR	V3 AWY-LO	41.28010 -73.58130	35,000 ft 10,668 m	19	CARMEL
MICAL FIX	V374 AWY-LO	41.22130 -73.85030	35,000 ft 10,668 m	12	-
VOLLU FIX	V374 AWY-LO	41.19170 -73.98460	35,000 ft 10,668 m	6	-
BREZY FIX	V39 AWY-LO	41.15830 -74.13490	35,000 ft 10,668 m	7	-
WANVA FIX	V39 AWY-LO	41.12760 -74.27200	35,000 ft 10,668 m	6	-
SAX VOR	V39 AWY-LO	41.06750 -74.53830	35,000 ft 10,668 m	12	SPARTA
CANDR FIX	J60 AWY-HI	40.97100 -74.95980	35,000 ft 10,668 m	19	-
SPOTZ FIX	Q480 AWY-HI	40.76530 -75.38310	35,000 ft 10,668 m	22	-
MIKYG FIX	Q42 AWY-HI	40.60170 -75.81970	35,000 ft 10,668 m	22	-
HOTEE FIX	Q42 AWY-HI	40.34330 -76.49360	35,000 ft 10,668 m	34	-
BEETS FIX	Q480 AWY-HI	39.95570 -77.44990	35,000 ft 10,668 m	49	-
SCAPE FIX	- -	39.94490 -77.53680	35,000 ft 10,668 m	4	-
HGR VOR	V377 AWY-LO	39.69770 -77.85570	35,000 ft 10,668 m	20	HAGERSTOWN
TOMAC FIX	V377 AWY-LO	39.68410 -78.13600	35,000 ft 10,668 m	12	-
ELGEE FIX	V377 AWY-LO	39.51350 -78.45620	35,000 ft 10,668 m	18	-
ESL VOR	V377 AWY-LO	39.22550 -78.98950	35,000 ft 10,668 m	30	KESSEL
OMIYO FIX	V4 AWY-LO	39.14190 -79.29250	35,000 ft 10,668 m	14	-
EKN VOR	V4 AWY-LO	38.91440 -80.09930	35,000 ft 10,668 m	40	ELKINS
REACH FIX	V4 AWY-LO	38.81620 -80.39680	35,000 ft 10,668 m	15	-
FILES FIX	V4 AWY-LO	38.72700 -80.66460	35,000 ft 10,668 m	13	-
ITALY FIX	V4 AWY-LO	38.53370 -81.23600	35,000 ft 10,668 m	29	-
CAMMA FIX	V4 AWY-LO	38.49050 -81.36210	35,000 ft 10,668 m	6	-
HVQ VOR	V4 AWY-LO	38.34970 -81.76990	35,000 ft 10,668 m	20	CHARLESTON
WHIRL FIX	V115 AWY-LO	38.15860 -82.07330	35,000 ft 10,668 m	18	-
CELLI	V115	38.02830	35,000 ft	12	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-LO	-82.27830	10,668 m		
AZQ	V115	37.39130	35,000 ft	60	HAZARD
VOR	AWY-LO	-83.26300	10,668 m		
LOZ	V140	37.03310	29,000 ft	45	LONDON
VOR	AWY-LO	-84.11010	8,839 m		
ESONE	V140	36.96400	27,100 ft	8	-
FIX	AWY-LO	-84.27530	8,260 m		
WNSOR	V140	36.76090	21,500 ft	26	-
FIX	AWY-LO	-84.75520	6,553 m		
KBNA	-	36.12450	0 ft	100	Nashville International
APT	-	-86.67820	0 m		

KOWD

Region: UNITED STATES
Timezone: AMERICA/NEW_YORK
Runways: 2

Elevation: 49 ft / 15 m
Location: 42.190500 -71.172900
Magnetic Var: 14.191 W

METAR

KOWD 061153Z 22006KT 10SM BKN005 OVC019 13/11 A3003 RMK A02 SLP169 60001 70038 T01330111 10133 20106 58006

TAF

UNKNOWN

Frequencies

REC - 119.95 MHz - ATIS
CLD - 121.80 MHz - CLNC DEL
TWR - 126.00 MHz -
DEP - 124.10 MHz - BOSTON DEP

COM - 126.00 MHz - CTAF
GND - 121.90 MHz -
APP - 124.10 MHz - BOSTON APP

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
17	87 ft	4,007 ft	154.86	ASPHALT	0 ft	0 ft
	27 m	1,221 m	169.05		0 m	0 m
35	87 ft	4,007 ft	334.86	ASPHALT	0 ft	0 ft
	27 m	1,221 m	349.05		0 m	0 m
10	70 ft	3,981 ft	88.77	ASPHALT	981 ft	0 ft
	21 m	1,213 m	102.96		299 m	0 m
28	70 ft	3,981 ft	268.78	ASPHALT	210 ft	0 ft
	21 m	1,213 m	282.97		64 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
35	DME	IOWD	108.30 MHz	18 nm	-	-	61 ft
				33 km	-		61 m
35	LOC-LOC	IOWD	108.30 MHz	18 nm	334.86	-	49 ft
				33 km	349.05		49 m

KBNA

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

Elevation: 598 ft / 182 m
Location: 36.124500 -86.678200
Magnetic Var: 4.366 W

METAR

KBNA 061153Z 20009KT 10SM FEW025 BKN032 BKN110 BKN190 20/17 A2995 RMK AO2 RAE21 TSE21 SLP137 P0000 60005 70005 T02

TAF

KBNA 061122Z 0612/0712 20008KT P6SM VCSH FEW030 SCT050 OVC110 FM061800 22009KT P6SM -SHRA BKN040 OVC100 TEMPO 061

Frequencies

REC - 135.10 MHz - KBNA ATIS
GND - 121.90 MHz - NASHVILLE GROUND
APP - 119.35 MHz - NASHVILLE APPROACH
COM - 122.95 MHz - NASHVILLE UNICOM
TWR - 118.60 MHz - NASHVILLE TOWER
DEP - 118.40 MHz - NASHVILLE DEPARTURE

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
02C	148 ft	8,014 ft	17.92	CONCRETE	0 ft	0 ft
	45 m	2,443 m	22.28		0 m	0 m
20C	148 ft	8,014 ft	197.92	CONCRETE	0 ft	0 ft
	45 m	2,443 m	202.29		0 m	0 m
02R	148 ft	8,013 ft	17.92	CONCRETE	0 ft	0 ft
	45 m	2,442 m	22.29		0 m	0 m
20L	148 ft	8,013 ft	197.93	CONCRETE	0 ft	0 ft
	45 m	2,442 m	202.29		0 m	0 m
02L	148 ft	7,718 ft	17.59	CONCRETE	0 ft	0 ft
	45 m	2,352 m	21.95		0 m	0 m
20R	148 ft	7,718 ft	197.59	CONCRETE	0 ft	0 ft
	45 m	2,352 m	201.96		0 m	0 m
13	148 ft	11,030 ft	133.44	CONCRETE	823 ft	0 ft
	45 m	3,362 m	137.80		251 m	0 m
31	148 ft	11,030 ft	313.45	CONCRETE	761 ft	0 ft
	45 m	3,362 m	317.82		232 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
02L	DME	IBNA	109.90 MHz	18 nm	-	-	599 ft
				33 km	-		599 m
02R	DME	IUQU	111.75 MHz	18 nm	-	-	599 ft
				33 km	-		599 m
20L	DME	ISSX	109.35 MHz	18 nm	-	-	599 ft
				33 km	-		599 m
02C	LOC-ILS	IEZN	110.75 MHz	18 nm	17.91	-	598 ft
				33 km	22.28		598 m
02L	LOC-ILS	IBNA	109.90 MHz	18 nm	17.57	-	548 ft
				33 km	21.94		548 m
02R	LOC-ILS	IUQU	111.75 MHz	18 nm	17.92	-	536 ft
				33 km	22.28		536 m
20L	LOC-ILS	ISSX	109.35 MHz	18 nm	197.92	-	598 ft
				33 km	202.28		598 m
20R	LOC-ILS	IVIY	111.30 MHz	18 nm	197.58	-	598 ft

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
				33 km	201.94		598 m
31	LOC-ILS	IPNO	111.95 MHz	18 nm	313.42	-	598 ft
				33 km	317.79		598 m
02C	GS	IEZN	110.75 MHz	10 nm	18.83	3.00	598 ft
				19 km	23.19		598 m
02L	GS	IBNA	109.90 MHz	10 nm	18.16	3.00	595 ft
				19 km	22.52		595 m
02R	GS	IUQU	111.75 MHz	10 nm	18.83	3.00	582 ft
				19 km	23.20		582 m
20L	GS	ISSX	109.35 MHz	10 nm	198.83	3.00	535 ft
				19 km	203.20		535 m
20R	GS	IVIY	111.30 MHz	10 nm	198.16	3.00	562 ft
				19 km	202.52		562 m
31	GS	IPNO	111.95 MHz	10 nm	313.88	3.00	575 ft
				19 km	318.24		575 m