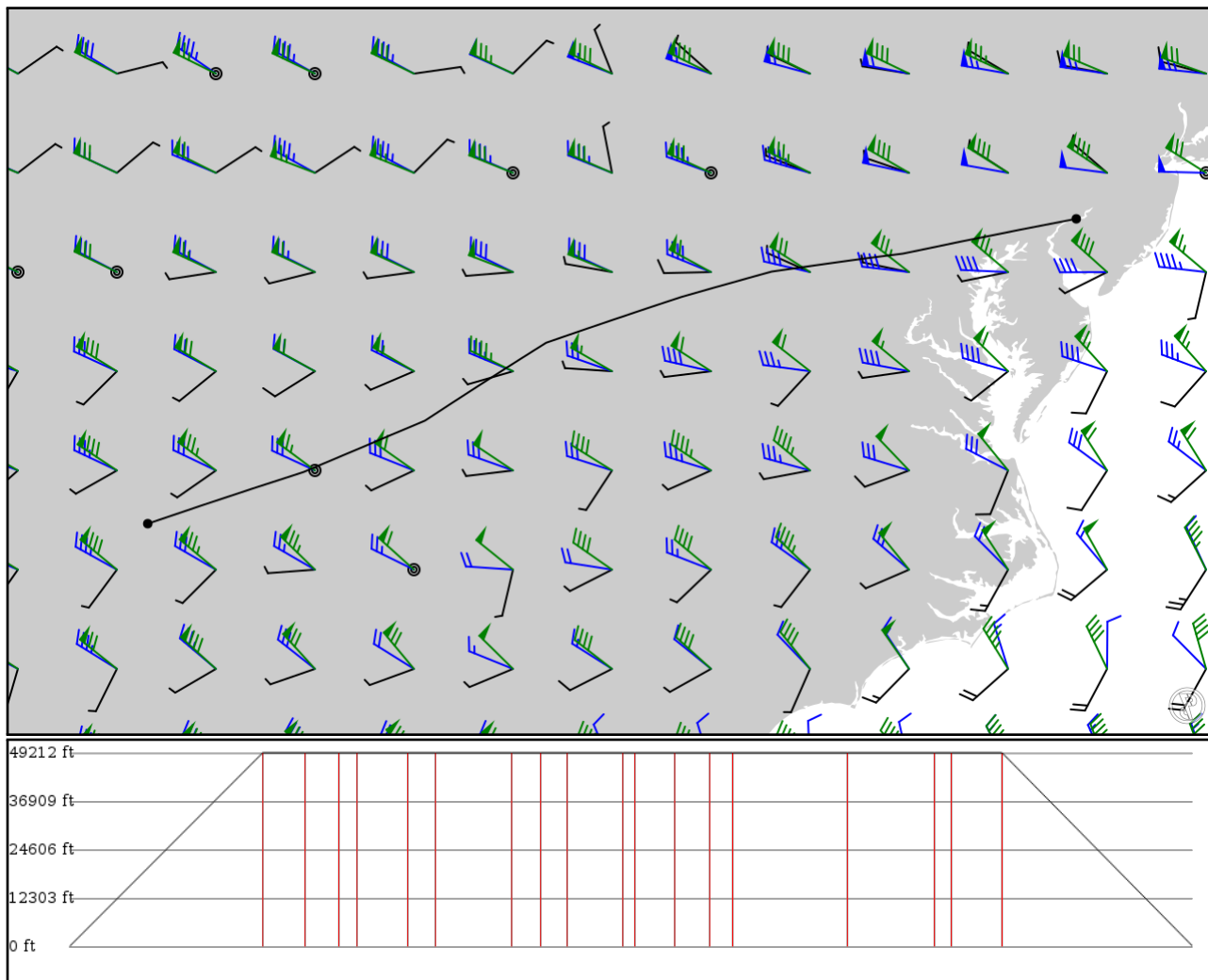


2024/05/12 0952Z

KPHL RUANE **V166** ESL **V4** HVQ **V115** AZQ **V140** WNSOR KBNA

591.31 nm / 1095.11 km



Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 15000ft
- Cruise Speed: 420kts
- Descent Rate: 1500ft/min
- Descent Speed: 250kts

Options:

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

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
KPHL APT	-	39.87410 -75.23680	0 ft 0 m	-	Philadelphia Intl
RUANE FIX	-	39.44610 -77.37400	15,000 ft 4,572 m	102	-
MRB VOR	V166 AWY-LO	39.38560 -77.84840	15,000 ft 4,572 m	22	MARTINSBURG
MEPEW FIX	V166 AWY-LO	39.33420 -78.22370	15,000 ft 4,572 m	17	-
CAPON FIX	V166 AWY-LO	39.30550 -78.42980	15,000 ft 4,572 m	9	-
ESL VOR	V166 AWY-LO	39.22550 -78.98950	15,000 ft 4,572 m	26	KESSEL
OMIYO FIX	V4 AWY-LO	39.14190 -79.29250	15,000 ft 4,572 m	14	-
EKN VOR	V4 AWY-LO	38.91440 -80.09930	15,000 ft 4,572 m	40	ELKINS
REACH FIX	V4 AWY-LO	38.81620 -80.39680	15,000 ft 4,572 m	15	-
FILES FIX	V4 AWY-LO	38.72700 -80.66460	15,000 ft 4,572 m	13	-
ITALY FIX	V4 AWY-LO	38.53370 -81.23600	15,000 ft 4,572 m	29	-
CAMMA FIX	V4 AWY-LO	38.49050 -81.36210	15,000 ft 4,572 m	6	-
HVQ VOR	V4 AWY-LO	38.34970 -81.76990	15,000 ft 4,572 m	20	CHARLESTON
WHIRL FIX	V115 AWY-LO	38.15860 -82.07330	15,000 ft 4,572 m	18	-
CELLI FIX	V115 AWY-LO	38.02830 -82.27830	15,000 ft 4,572 m	12	-
AZQ VOR	V115 AWY-LO	37.39130 -83.26300	15,000 ft 4,572 m	60	HAZARD
LOZ VOR	V140 AWY-LO	37.03310 -84.11010	15,000 ft 4,572 m	45	LONDON
ESONE FIX	V140 AWY-LO	36.96400 -84.27530	15,000 ft 4,572 m	8	-
WNSOR FIX	V140 AWY-LO	36.76090 -84.75520	15,000 ft 4,572 m	26	-
KBNA APT	-	36.12450 -86.67820	0 ft 0 m	100	Nashville International

KPHL

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

Elevation: 36 ft / 11 m
Location: 39.874100 -75.236800
Magnetic Var: 11.990 W

METAR

KPHL 120854Z 12005KT 10SM -RA OVC047 09/07 A2985 RMK A02 SLP108 P0006 60010 T00890072 53004 \$

TAF

TAF AMD KPHL 120900Z 1209/1312 14005KT P6SM -SHRA OVC040 FM121100 14006KT P6SM VCSH SCT008 OVC025 FM121800 10007KT

Frequencies

REC - 133.40 MHz - D-ATIS	REC - 135.92 MHz - D-ATIS
COM - 122.95 MHz - PHILADELPHIA UNICOM	GND - 121.65 MHz - PHILADELPHIA GROUND
GND - 121.90 MHz - PHILADELPHIA GROUND	TWR - 118.50 MHz - PHILADELPHIA TOWER
TWR - 135.10 MHz - PHILADELPHIA TOWER	CLD - 118.85 MHz - CLEARANCE DELIVERY
DEP - 119.75 MHz - PHILADELPHIA DEPARTURE	DEP - 124.35 MHz - PHILADELPHIA DEPARTURE
APP - 123.80 MHz - PHILADELPHIA APPROACH	APP - 124.35 MHz - PHILADELPHIA APPROACH
APP - 126.85 MHz - PHILADELPHIA APPROACH	APP - 127.35 MHz - PHILADELPHIA APPROACH
APP - 128.40 MHz - PHILADELPHIA APPROACH	APP - 133.87 MHz - PHILADELPHIA APPROACH

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
09R	200 ft	11,981 ft	75.41	ASPHALT	0 ft	292 ft
	61 m	3,652 m	87.40		0 m	89 m
27L	200 ft	11,981 ft	255.44	ASPHALT	1,909 ft	397 ft
	61 m	3,652 m	267.43		582 m	121 m
09L	150 ft	9,482 ft	75.42	ASPHALT	0 ft	413 ft
	46 m	2,890 m	87.41		0 m	126 m
27R	150 ft	9,482 ft	255.44	ASPHALT	0 ft	397 ft
	46 m	2,890 m	267.43		0 m	121 m
17	150 ft	6,508 ft	159.13	ASPHALT	0 ft	200 ft
	46 m	1,984 m	171.12		0 m	61 m
35	150 ft	6,508 ft	339.14	ASPHALT	0 ft	200 ft
	46 m	1,984 m	351.13		0 m	61 m
08	150 ft	4,992 ft	75.44	ASPHALT	0 ft	197 ft
	46 m	1,521 m	87.43		0 m	60 m
26	150 ft	4,992 ft	255.45	ASPHALT	0 ft	0 ft
	46 m	1,521 m	267.44		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
09L	DME	IVII	108.95 MHz	18 nm	-	-	38 ft
				33 km	-		38 m
09R	DME	IPHL	109.30 MHz	18 nm	-	-	18 ft
				33 km	-		18 m
26	DME	ILLH	111.55 MHz	18 nm	-	-	38 ft
				33 km	-		38 m
27L	DME	IGLC	109.30 MHz	18 nm	-	-	38 ft
				33 km	-		38 m
27R	DME	IPDP	108.95 MHz	18 nm	-	-	38 ft
				33 km	-		38 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
09L	LOC-ILS	IVII	108.95 MHz	18 nm	75.43	-	36 ft
				33 km	87.42		36 m
09R	LOC-ILS	IPHL	109.30 MHz	18 nm	75.43	-	36 ft
				33 km	87.42		36 m
17	LOC-ILS	IMMY	108.75 MHz	18 nm	159.14	-	36 ft
				33 km	171.13		36 m
27L	LOC-ILS	IGLC	109.30 MHz	18 nm	255.43	-	36 ft
				33 km	267.42		36 m
27R	LOC-ILS	IPDP	108.95 MHz	18 nm	255.43	-	36 ft
				33 km	267.42		36 m
09L	GS	IVII	108.95 MHz	10 nm	75.43	3.00	36 ft
				19 km	87.42		36 m
09R	GS	IPHL	109.30 MHz	10 nm	75.43	3.00	36 ft
				19 km	87.42		36 m
17	GS	IMMY	108.75 MHz	10 nm	159.14	3.00	36 ft
				19 km	171.13		36 m
27L	GS	IGLC	109.30 MHz	10 nm	255.43	3.00	36 ft
				19 km	267.42		36 m
27R	GS	IPDP	108.95 MHz	10 nm	255.43	3.00	36 ft
				19 km	267.42		36 m

KBNA

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

Elevation: 598 ft / 182 m
Location: 36.124500 -86.678200
Magnetic Var: 4.367 W

METAR

KBNA 120853Z 18004KT 10SM FEW250 11/08 A2997 RMK AO2 SLP146 T01110083 53006 \$

TAF

TAF KBNA 120522Z 1206/1306 22004KT P6SM SKC FM121700 18005KT P6SM FEW250 FM130100 15005KT P6SM BKN250

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	22.29		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	IVIV	111.30 MHz	18 nm	197.58	-	598 ft

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
				33 km	201.95		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