

# KBOS

General Edward Lawrence Logan International Airport

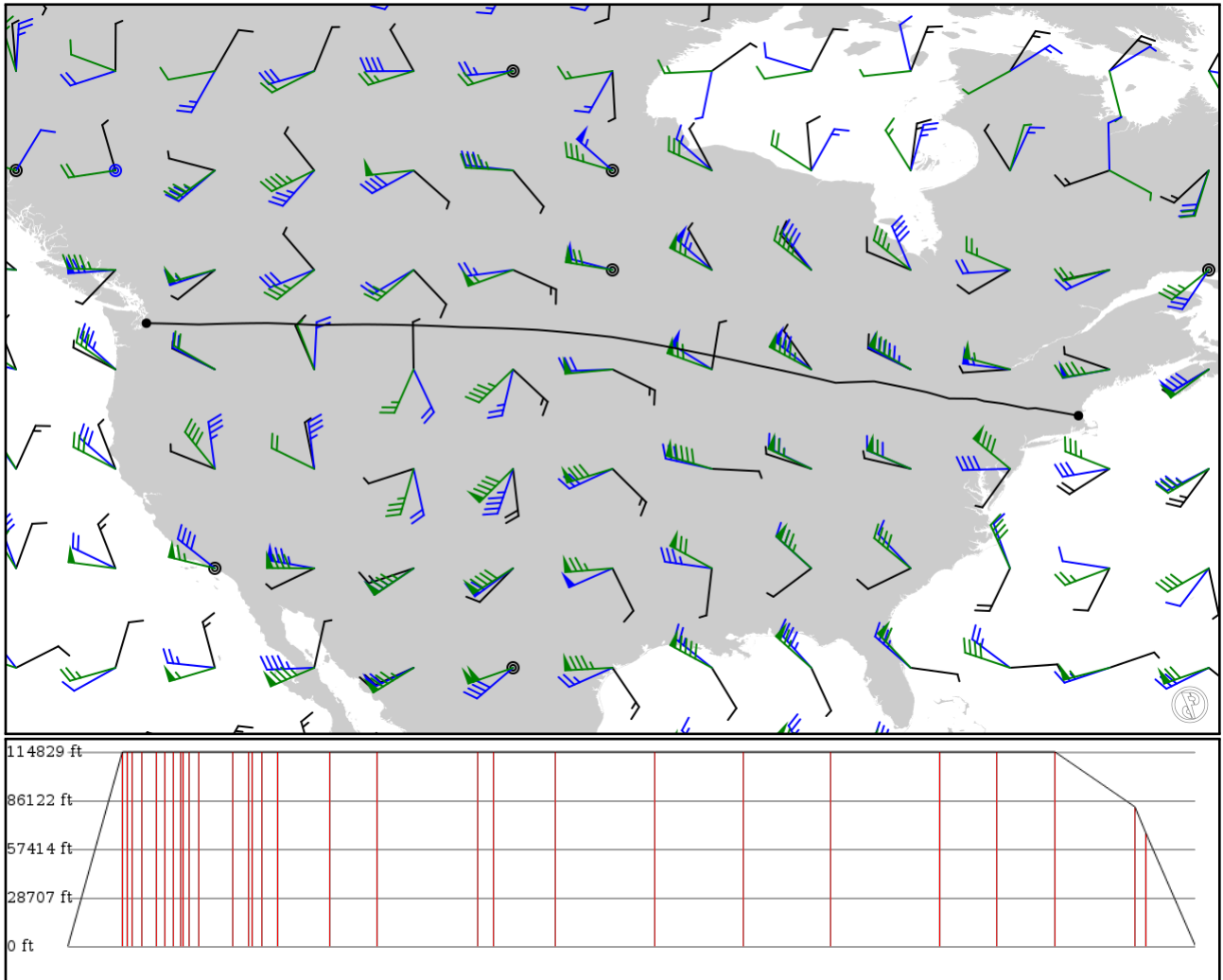
# KSEA

Seattle Tacoma Intl

2024/06/04 0100Z

KBOS GRAVE V14 ALB V2 SYR Q812 AHPAH Q140 LEWIT Q144 KEETA Q142 MLP J70 EPH V120 OZALI KSEA

2186.80 nm / 4049.96 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		Via	Lat	Alt	Dist	Name
Type			Lon		(nm)	
KBOS	-	42.36300	0 ft	-		General Edward Lawrence Logan International Airport
APT	-	-71.00680	0 m			
GRAVE	-	42.77980	35,000 ft	107	-	
FIX	-	-73.37250	10,668 m			
WARUV	V14	42.76450	35,000 ft	9	-	
FIX	AWY-LO	-73.57820	10,668 m			
ALB	V14	42.74730	35,000 ft	9	ALBANY	
VOR	AWY-LO	-73.80320	10,668 m			
MARIA	V2	42.83410	35,000 ft	18	-	
FIX	AWY-LO	-74.21680	10,668 m			
NORSE	V2	42.96050	35,000 ft	28	-	
FIX	AWY-LO	-74.83440	10,668 m			
UCA	V2	43.02650	35,000 ft	15	UTICA	
VOR	AWY-LO	-75.16450	10,668 m			
VASTS	V2	43.07630	35,000 ft	16	-	
FIX	AWY-LO	-75.54160	10,668 m			
STODA	V2	43.11670	35,000 ft	13	-	
FIX	AWY-LO	-75.85590	10,668 m			
FAYET	V2	43.12770	35,000 ft	3	-	
FIX	AWY-LO	-75.94210	10,668 m			
SYR	V2	43.16050	35,000 ft	11	SYRACUSE	
VOR	AWY-LO	-76.20460	10,668 m			
GOATR	Q812	43.29060	35,000 ft	21	-	
FIX	AWY-HI	-76.65220	10,668 m			
AHPAH	Q812	43.30530	35,000 ft	64	-	
FIX	AWY-HI	-78.12640	10,668 m			
MEDAV	Q140	43.48860	35,000 ft	29	-	
FIX	AWY-HI	-78.76280	10,668 m			
RAGIX	Q140	43.54380	35,000 ft	9	-	
FIX	AWY-HI	-78.95750	10,668 m			
SIKBO	Q140	43.65360	35,000 ft	18	-	
FIX	AWY-HI	-79.34920	10,668 m			
PEPLA	Q140	43.79750	35,000 ft	30	-	
FIX	AWY-HI	-80.01490	10,668 m			
RUBKI	Q140	44.24890	35,000 ft	100	-	
FIX	AWY-HI	-82.25720	10,668 m			
DAYYY	Q140	44.16940	35,000 ft	91	-	
FIX	AWY-HI	-84.37310	10,668 m			
EEGEE	Q140	45.14810	35,000 ft	196	-	
FIX	AWY-HI	-88.76610	10,668 m			
WISCN	Q140	45.30540	35,000 ft	31	-	
FIX	AWY-HI	-89.46500	10,668 m			
CESNA	Q140	45.87060	35,000 ft	119	-	
FIX	AWY-HI	-92.18310	10,668 m			
TTAIL	Q140	46.69110	35,000 ft	193	-	
FIX	AWY-HI	-96.68580	10,668 m			
WILTN	Q140	47.08280	35,000 ft	170	-	
FIX	AWY-HI	-100.79600	10,668 m			
SAYOR	Q140	47.23290	35,000 ft	171	-	
FIX	AWY-HI	-104.97800	10,668 m			
LEWIT	Q140	47.38340	35,000 ft	210	-	
FIX	AWY-HI	-110.14600	10,668 m			
KEETA	Q144	47.34420	35,000 ft	111	-	

Ident Type		Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-112.88100	10,668 m			
MLP	Q142	47.45690	35,000 ft	112		MULLAN PASS
VOR	AWY-HI	-115.64600	10,668 m			
EPH	J70	47.37790	25,100 ft	153		EPHRATA
VOR	AWY-HI	-119.42400	7,650 m			
OZALI	V120	47.39340	20,400 ft	21		-
FIX	AWY-LO	-119.96300	6,218 m			
KSEA	-	47.45020	0 ft	95		Seattle Tacoma Intl
APT	-	-122.31200	0 m			

## KBOS

Region: UNITED STATES  
Timezone: AMERICA/NEW\_YORK  
Runways: 6

Elevation: 19 ft / 6 m  
Location: 42.363000 -71.006800  
Magnetic Var: 14.283 W

## METAR

KBOS 032354Z 09005KT 10SM FEW120 SCT210 17/13 A2994 RMK A02 SLP136 T01670133 10200 20161 53001

## TAF

TAF KBOS 032320Z 0400/0506 11007KT P6SM FEW250 FM040300 08006KT P6SM BKN100 FM040800 07005KT P6SM BKN020 FM041100

## 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

## KSEA

Region: UNITED STATES  
Timezone: AMERICA/LOS\_ANGELES  
Runways: 3

Elevation: 432 ft / 132 m  
Location: 47.450200 -122.312000  
Magnetic Var: 14.765 E

## METAR

KSEA 032353Z 23015G26KT 10SM SCT029 BKN070 OVC150 12/07 A2991 RMK A02 PK WND 22026/2258 SLP134 60001 T01220067 101

## TAF

KSEA 032322Z 0400/0506 22015G25KT P6SM -SHRA SCT025 OVC040 FM040500 19012G20KT P6SM -SHRA OVC025 FM040900 18022G3

## Frequencies

REC - 118.00 MHz - SEATTLE ATIS	CLD - 128.00 MHz - SEATTLE CLEARANCE
GND - 121.70 MHz - SEATTLE GROUND	TWR - 119.90 MHz - SEATTLE TOWER
TWR - 120.95 MHz - SEATTLE TOWER	APP - 133.65 MHz - SEATTLE APPROACH
DEP - 120.10 MHz - SEATTLE DEPARTURE	

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
16L	151 ft	11,904 ft	180.35	CONCRETE	0 ft	400 ft
	46 m	3,628 m	165.58		0 m	122 m
34R	151 ft	11,904 ft	0.35	CONCRETE	0 ft	400 ft
	46 m	3,628 m	345.58		0 m	122 m
16C	151 ft	9,428 ft	180.34	CONCRETE	0 ft	400 ft
	46 m	2,874 m	165.58		0 m	122 m
34C	151 ft	9,428 ft	0.34	CONCRETE	0 ft	397 ft
	46 m	2,874 m	345.58		0 m	121 m
16R	151 ft	8,502 ft	180.34	CONCRETE	0 ft	200 ft
	46 m	2,591 m	165.57		0 m	61 m
34L	151 ft	8,502 ft	0.34	CONCRETE	0 ft	197 ft
	46 m	2,591 m	345.57		0 m	60 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
16C	DME	ISZI	111.70 MHz	18 nm	-	-	470 ft
				33 km	-		470 m
16L	DME	ISNQ	110.30 MHz	18 nm	-	-	369 ft
				33 km	-		369 m
16R	DME	ICJL	110.75 MHz	18 nm	-	-	410 ft
				33 km	-		410 m
34C	DME	ITUC	111.70 MHz	18 nm	-	-	470 ft
				33 km	-		470 m
34L	DME	IB EJ	110.75 MHz	18 nm	-	-	410 ft
				33 km	-		410 m
34R	DME	ISEA	110.30 MHz	18 nm	-	-	469 ft
				33 km	-		469 m
16C	LOC-ILS	ISZI	111.70 MHz	18 nm	180.34	-	355 ft
				33 km	165.57		355 m
16L	LOC-ILS	ISNQ	110.30 MHz	18 nm	180.34	-	338 ft
				33 km	165.58		338 m
16R	LOC-ILS	ICJL	110.75 MHz	18 nm	180.34	-	410 ft
				33 km	165.57		410 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
34C	LOC-ILS	ITUC	111.70 MHz	18 nm	0.34	-	422 ft
				33 km	345.57		422 m
34L	LOC-ILS	IBEJ	110.75 MHz	18 nm	0.34	-	433 ft
				33 km	345.57		433 m
34R	LOC-ILS	ISEA	110.30 MHz	18 nm	0.34	-	428 ft
				33 km	345.58		428 m
16C	GS	ISZI	111.70 MHz	10 nm	180.67	3.00	418 ft
				19 km	165.91		418 m
16L	GS	ISNQ	110.30 MHz	10 nm	180.69	3.00	425 ft
				19 km	165.92		425 m
16R	GS	ICJL	110.75 MHz	10 nm	180.67	3.00	410 ft
				19 km	165.91		410 m
34C	GS	ITUC	111.70 MHz	10 nm	0.67	3.00	367 ft
				19 km	345.91		367 m
34L	GS	IBEJ	110.75 MHz	10 nm	0.67	3.00	360 ft
				19 km	345.91		360 m
34R	GS	ISEA	110.30 MHz	10 nm	0.69	2.75	355 ft
				19 km	345.92		355 m