

KSEA

Seattle-Tacoma Intl

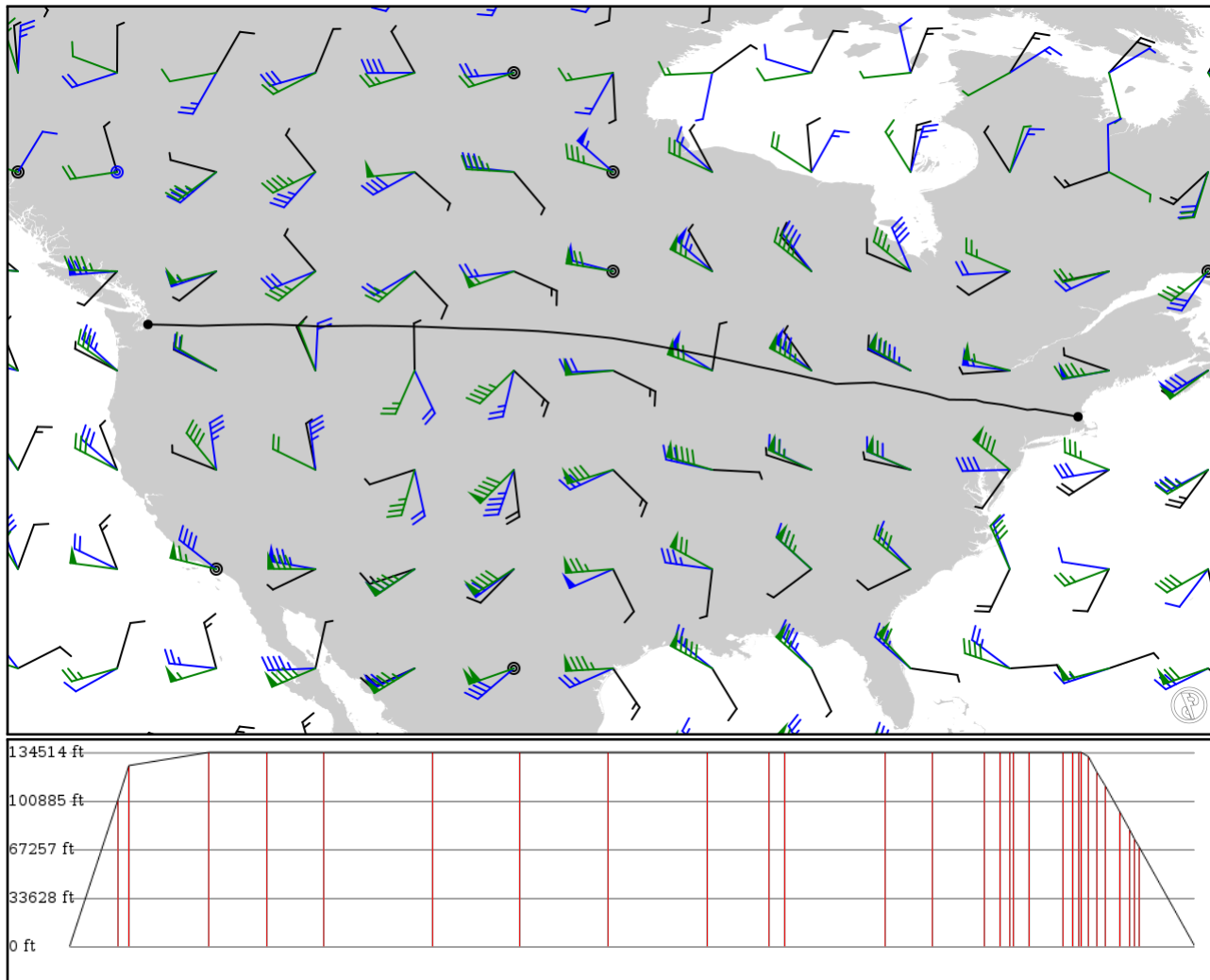
KBOS

General Edward Lawrence Logan Intl

2024/05/09 0951Z

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

2186.80 nm / 4049.96 km



Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 41000ft
- Cruise Speed: 461kts
- 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
KSEA APT	-	47.45020 -122.31200	0 ft 0 m	-	Seattle-Tacoma Intl
OZALI FIX	-	47.39340 -119.96300	31,000 ft 9,449 m	95	-
EPH VOR	V120 AWY-LO	47.37790 -119.42400	38,200 ft 11,643 m	21	EPHRATA
MLP VOR	J70 AWY-HI	47.45690 -115.64600	41,000 ft 12,497 m	153	MULLAN PASS
KEETA FIX	Q142 AWY-HI	47.34420 -112.88100	41,000 ft 12,497 m	112	-
LEWIT FIX	Q144 AWY-HI	47.38340 -110.14600	41,000 ft 12,497 m	111	-
SAYOR FIX	Q140 AWY-HI	47.23290 -104.97800	41,000 ft 12,497 m	210	-
WILTN FIX	Q140 AWY-HI	47.08280 -100.79600	41,000 ft 12,497 m	171	-
TTAIL FIX	Q140 AWY-HI	46.69110 -96.68580	41,000 ft 12,497 m	170	-
CESNA FIX	Q140 AWY-HI	45.87060 -92.18310	41,000 ft 12,497 m	193	-
WISCN FIX	Q140 AWY-HI	45.30540 -89.46500	41,000 ft 12,497 m	119	-
EEGEE FIX	Q140 AWY-HI	45.14810 -88.76610	41,000 ft 12,497 m	31	-
DAYYY FIX	Q140 AWY-HI	44.16940 -84.37310	41,000 ft 12,497 m	196	-
RUBKI FIX	Q140 AWY-HI	44.24890 -82.25720	41,000 ft 12,497 m	91	-
PEPLA FIX	Q140 AWY-HI	43.79750 -80.01490	41,000 ft 12,497 m	100	-
SIKBO FIX	Q140 AWY-HI	43.65360 -79.34920	41,000 ft 12,497 m	30	-
RAGIX FIX	Q140 AWY-HI	43.54380 -78.95750	41,000 ft 12,497 m	18	-
MEDAV FIX	Q140 AWY-HI	43.48860 -78.76280	41,000 ft 12,497 m	9	-
AHPAH FIX	Q140 AWY-HI	43.30530 -78.12640	41,000 ft 12,497 m	29	-
GOATR FIX	Q812 AWY-HI	43.29060 -76.65220	41,000 ft 12,497 m	64	-
SYR VOR	Q812 AWY-HI	43.16050 -76.20460	41,000 ft 12,497 m	21	SYRACUSE
FAYET FIX	V2 AWY-LO	43.12770 -75.94210	41,000 ft 12,497 m	11	-
STODA FIX	V2 AWY-LO	43.11670 -75.85590	41,000 ft 12,497 m	3	-
VASTS FIX	V2 AWY-LO	43.07630 -75.54160	40,100 ft 12,222 m	13	-
UCA VOR	V2 AWY-LO	43.02650 -75.16450	36,800 ft 11,217 m	16	UTICA
NORSE FIX	V2 AWY-LO	42.96050 -74.83440	33,900 ft 10,333 m	15	-
MARIA	V2	42.83410	28,400 ft	28	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-LO	-74.21680	8,656 m		
ALB	V2	42.74730	24,700 ft	18	ALBANY
VOR	AWY-LO	-73.80320	7,529 m		
WARUV	V14	42.76450	22,700 ft	9	-
FIX	AWY-LO	-73.57820	6,919 m		
GRAVE	V14	42.77980	21,000 ft	9	-
FIX	AWY-LO	-73.37250	6,401 m		
KBOS	-	42.36300	0 ft	107	General Edward Lawrence Logan Intl
APT	-	-71.00680	0 m		

KSEA

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

Elevation: 432 ft / 132 m
Location: 47.450200 -122.312000
Magnetic Var: 14.775 E

METAR

KSEA 090853Z 06011KT 10SM FEW250 11/03 A3037 RMK A02 SLP292 T01110028 55001

TAF

KSEA 090852Z 0909/1012 04009KT P6SM SKC FM091400 01006KT P6SM SKC FM091800 36012G21KT P6SM SKC FM100300 36008KT P

Frequencies

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

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	165.57		0 m	122 m
34R	151 ft	11,904 ft	0.35	CONCRETE	0 ft	400 ft
	46 m	3,628 m	345.57		0 m	122 m
16C	151 ft	9,428 ft	180.34	CONCRETE	0 ft	400 ft
	46 m	2,874 m	165.57		0 m	122 m
34C	151 ft	9,428 ft	0.34	CONCRETE	0 ft	397 ft
	46 m	2,874 m	345.57		0 m	121 m
16R	151 ft	8,502 ft	180.34	CONCRETE	0 ft	200 ft
	46 m	2,591 m	165.56		0 m	61 m
34L	151 ft	8,502 ft	0.34	CONCRETE	0 ft	197 ft
	46 m	2,591 m	345.56		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	165.56		355 m
16L	LOC-ILS	ISNQ	110.30 MHz	18 nm	180.34	-	338 ft
				33 km	165.57		338 m
16R	LOC-ILS	ICJL	110.75 MHz	18 nm	180.34	-	410 ft
				33 km	165.56		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	345.56		422 m
34L	LOC-ILS	IBEJ	110.75 MHz	18 nm	0.34	-	433 ft
				33 km	345.56		433 m
34R	LOC-ILS	ISEA	110.30 MHz	18 nm	0.34	-	428 ft
				33 km	345.57		428 m
16C	GS	ISZI	111.70 MHz	10 nm	180.67	3.00	418 ft
				19 km	165.90		418 m
16L	GS	ISNQ	110.30 MHz	10 nm	180.69	3.00	425 ft
				19 km	165.91		425 m
16R	GS	ICJL	110.75 MHz	10 nm	180.67	3.00	410 ft
				19 km	165.90		410 m
34C	GS	ITUC	111.70 MHz	10 nm	0.67	3.00	367 ft
				19 km	345.90		367 m
34L	GS	IBEJ	110.75 MHz	10 nm	0.67	3.00	360 ft
				19 km	345.90		360 m
34R	GS	ISEA	110.30 MHz	10 nm	0.69	2.75	355 ft
				19 km	345.91		355 m

KBOS

Region: UNITED STATES
Timezone: AMERICA/NEW_YORK
Runways: 6

Elevation: 19 ft / 6 m
Location: 42.363000 -71.006800
Magnetic Var: 14.287 W

METAR

KBOS 090854Z 28008KT 10SM FEW006 BKN041 BKN200 13/12 A2962 RMK A02 SLP030 T01280117 50001 \$

TAF

TAF AMD KBOS 090905Z 0909/1012 29008KT P6SM BKN040 FM091200 34010KT P6SM BKN025 FM091700 04010KT P6SM BKN050 FM092000 10010KT P6SM BKN050

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	149.56		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	213.95		250 m	61 m
09	148 ft	7,008 ft	76.51	ASPHALT	0 ft	932 ft
	45 m	2,136 m	90.80		0 m	284 m
27	148 ft	7,008 ft	256.53	ASPHALT	0 ft	161 ft
	45 m	2,136 m	270.82		0 m	49 m
14	98 ft	5,005 ft	125.76	ASPHALT	0 ft	0 ft
	30 m	1,526 m	140.05		0 m	0 m
32	98 ft	5,005 ft	305.77	ASPHALT	0 ft	801 ft
	30 m	1,526 m	320.06		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	329.60		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 33.97	-	20 ft 20 m
15R	LOC-ILS	IMDC	110.70 MHz	18 nm 33 km	135.28 149.57	-	20 ft 20 m
22L	LOC-ILS	ILQN	110.30 MHz	18 nm 33 km	199.68 213.97	-	20 ft 20 m
27	LOC-ILS	IDGU	111.30 MHz	18 nm 33 km	256.52 270.81	-	20 ft 20 m
33L	LOC-ILS	ILIP	110.70 MHz	18 nm 33 km	315.28 329.57	-	20 ft 20 m
04R	GS	IBOS	110.30 MHz	10 nm 19 km	19.68 33.97	3.00	20 ft 20 m
15R	GS	IMDC	110.70 MHz	10 nm 19 km	135.28 149.57	3.00	20 ft 20 m
22L	GS	ILQN	110.30 MHz	10 nm 19 km	199.68 213.97	3.00	20 ft 20 m
27	GS	IDGU	111.30 MHz	10 nm 19 km	256.52 270.81	3.00	20 ft 20 m
33L	GS	ILIP	110.70 MHz	10 nm 19 km	315.28 329.57	3.00	20 ft 20 m