

KSEA

Seattle-Tacoma Intl

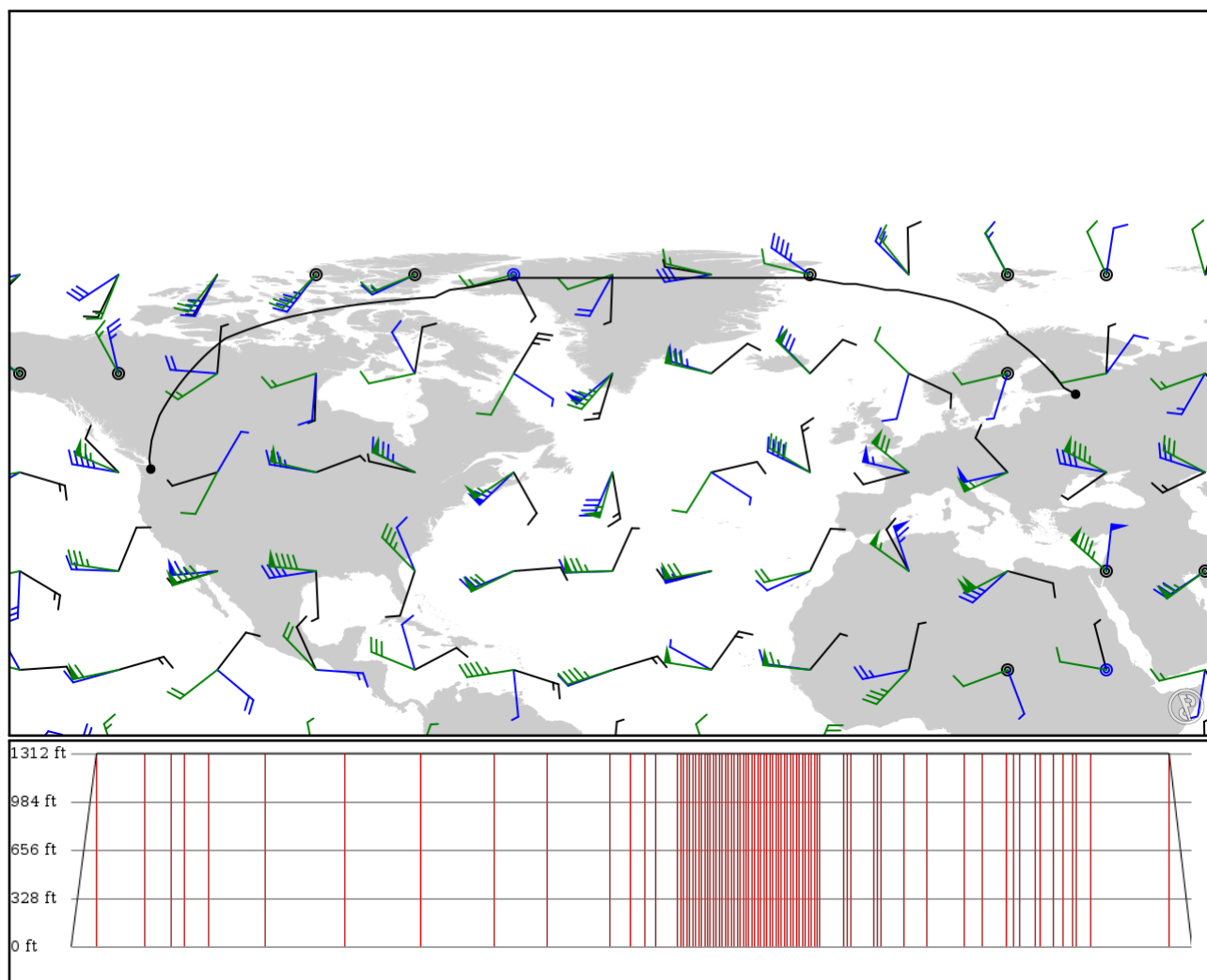
ULLI

St. Petersburg Pulkovo Intl

2024/05/10 0724Z

KSEA COGLE **T629** YWL **J534** YXJ **NCAL** LENIM 7700N0-7300W QQ 7800N0-6700W 7900N0-6200W 7900N0-6100W
7900N0-6000W 7900N0-5900W 7900N0-5800W 7900N0-5700W 7900N0-5600W 7900N0-5500W 7900N0-5400W
7900N0-5300W 7900N0-5200W 7900N0-5100W 7900N0-5000W 7900N0-4900W 7900N0-4800W 7900N0-4700W
7900N0-4600W 7900N0-4500W 7900N0-4400W 7900N0-4300W 7900N0-4200W 7900N0-4100W 7900N0-4000W
7900N0-3900W 7900N0-3800W 7900N0-3700W 7900N0-3600W 7900N0-3500W 7900N0-3400W 7900N0-3300W
7900N0-3200W 7900N0-3100W 7900N0-3000W 7900N0-2900W 7900N0-2800W 7900N0-2700W 7900N0-2600W
7900N0-2500W 7900N0-2400W 7900N0-2300W 7900N0-2200W 7900N0-2100W 7900N0-2000W 7900N0-1900W
7900N0-1800W 7900N0-1700W 7900N0-1600W 7900N0-1500W 7900N0-1400W 7800N0-800W 7800N0-700W
7800N0-600W 7700N0-100W 7700N0000E 7700N0100E 7600N0600E 7500N0100E 7300N01500E VAVAD **P600** TRO
P853 RATLA ULLI

4335.22 nm / 8028.83 km



Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 410ft

- 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
KSEA	-	47.45020	0 ft	-	Seattle-Tacoma Intl
APT	-	-122.31200	0 m	-	
COGLE	-	49.07580	400 ft	98	-
FIX	-	-122.56400	122 m	-	-
YWL	T629	52.23710	400 ft	190	WILLIAMS LAKE
VOR	AWY-LO	-122.16900	122 m	-	
HUTON	J534	53.85690	400 ft	98	-
FIX	AWY-HI	-121.69000	122 m	-	-
STAHL	J534	54.71670	400 ft	52	-
FIX	AWY-HI	-121.42000	122 m	-	-
YXJ	J534	56.28420	400 ft	95	FORT SAINT JOHN
VOR	AWY-HI	-120.89600	122 m	-	
GOTOL	NCAL	59.74670	400 ft	218	-
FIX	AWY-HI	-118.78800	122 m	-	-
TATMA	NCAL	64.50000	400 ft	304	-
FIX	AWY-HI	-115.00000	122 m	-	-
110L	NCAL	69.00000	400 ft	294	-
FIX	AWY-HI	-110.00000	122 m	-	-
100L	NCAL	72.41670	400 ft	284	-
FIX	AWY-HI	-100.00000	122 m	-	-
MERGI	NCAL	74.33330	400 ft	206	-
FIX	AWY-HI	-90.00000	122 m	-	-
LENIM	NCAL	75.82720	400 ft	241	-
FIX	AWY-HI	-75.45320	122 m	-	-
7700N0-7300W	-	77.00000	400 ft	78	-
LATLON	-	-73.00000	122 m	-	-
QQ	-	77.47910	400 ft	56	QAANAAQ
NDB	-	-69.32590	122 m	-	
7800N0-6700W	-	78.00000	400 ft	43	-
LATLON	-	-67.00000	122 m	-	-
7900N0-6200W	-	79.00000	400 ft	84	-
LATLON	-	-62.00000	122 m	-	-
7900N0-6100W	-	79.00000	400 ft	11	-
LATLON	-	-61.00000	122 m	-	-
7900N0-6000W	-	79.00000	400 ft	11	-
LATLON	-	-60.00000	122 m	-	-
7900N0-5900W	-	79.00000	400 ft	11	-
LATLON	-	-59.00000	122 m	-	-
7900N0-5800W	-	79.00000	400 ft	11	-
LATLON	-	-58.00000	122 m	-	-
7900N0-5700W	-	79.00000	400 ft	11	-
LATLON	-	-57.00000	122 m	-	-
7900N0-5600W	-	79.00000	400 ft	11	-
LATLON	-	-56.00000	122 m	-	-
7900N0-5500W	-	79.00000	400 ft	11	-
LATLON	-	-55.00000	122 m	-	-
7900N0-5400W	-	79.00000	400 ft	11	-
LATLON	-	-54.00000	122 m	-	-
7900N0-5300W	-	79.00000	400 ft	11	-
LATLON	-	-53.00000	122 m	-	-
7900N0-5200W	-	79.00000	400 ft	11	-
LATLON	-	-52.00000	122 m	-	-
7900N0-5100W	-	79.00000	400 ft	11	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-51.00000	122 m		
7900N0-5000W	-	79.00000	400 ft	11	-
LATLON	-	-50.00000	122 m		
7900N0-4900W	-	79.00000	400 ft	11	-
LATLON	-	-49.00000	122 m		
7900N0-4800W	-	79.00000	400 ft	11	-
LATLON	-	-48.00000	122 m		
7900N0-4700W	-	79.00000	400 ft	11	-
LATLON	-	-47.00000	122 m		
7900N0-4600W	-	79.00000	400 ft	11	-
LATLON	-	-46.00000	122 m		
7900N0-4500W	-	79.00000	400 ft	11	-
LATLON	-	-45.00000	122 m		
7900N0-4400W	-	79.00000	400 ft	11	-
LATLON	-	-44.00000	122 m		
7900N0-4300W	-	79.00000	400 ft	11	-
LATLON	-	-43.00000	122 m		
7900N0-4200W	-	79.00000	400 ft	11	-
LATLON	-	-42.00000	122 m		
7900N0-4100W	-	79.00000	400 ft	11	-
LATLON	-	-41.00000	122 m		
7900N0-4000W	-	79.00000	400 ft	11	-
LATLON	-	-40.00000	122 m		
7900N0-3900W	-	79.00000	400 ft	11	-
LATLON	-	-39.00000	122 m		
7900N0-3800W	-	79.00000	400 ft	11	-
LATLON	-	-38.00000	122 m		
7900N0-3700W	-	79.00000	400 ft	11	-
LATLON	-	-37.00000	122 m		
7900N0-3600W	-	79.00000	400 ft	11	-
LATLON	-	-36.00000	122 m		
7900N0-3500W	-	79.00000	400 ft	11	-
LATLON	-	-35.00000	122 m		
7900N0-3400W	-	79.00000	400 ft	11	-
LATLON	-	-34.00000	122 m		
7900N0-3300W	-	79.00000	400 ft	11	-
LATLON	-	-33.00000	122 m		
7900N0-3200W	-	79.00000	400 ft	11	-
LATLON	-	-32.00000	122 m		
7900N0-3100W	-	79.00000	400 ft	11	-
LATLON	-	-31.00000	122 m		
7900N0-3000W	-	79.00000	400 ft	11	-
LATLON	-	-30.00000	122 m		
7900N0-2900W	-	79.00000	400 ft	11	-
LATLON	-	-29.00000	122 m		
7900N0-2800W	-	79.00000	400 ft	11	-
LATLON	-	-28.00000	122 m		
7900N0-2700W	-	79.00000	400 ft	11	-
LATLON	-	-27.00000	122 m		
7900N0-2600W	-	79.00000	400 ft	11	-
LATLON	-	-26.00000	122 m		
7900N0-2500W	-	79.00000	400 ft	11	-
LATLON	-	-25.00000	122 m		
7900N0-2400W	-	79.00000	400 ft	11	-
LATLON	-	-24.00000	122 m		
7900N0-2300W	-	79.00000	400 ft	11	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-23.00000	122 m		
7900N0-2200W	-	79.00000	400 ft	11	-
LATLON	-	-22.00000	122 m		
7900N0-2100W	-	79.00000	400 ft	11	-
LATLON	-	-21.00000	122 m		
7900N0-2000W	-	79.00000	400 ft	11	-
LATLON	-	-20.00000	122 m		
7900N0-1900W	-	79.00000	400 ft	11	-
LATLON	-	-19.00000	122 m		
7900N0-1800W	-	79.00000	400 ft	11	-
LATLON	-	-18.00000	122 m		
7900N0-1700W	-	79.00000	400 ft	11	-
LATLON	-	-17.00000	122 m		
7900N0-1600W	-	79.00000	400 ft	11	-
LATLON	-	-16.00000	122 m		
7900N0-1500W	-	79.00000	400 ft	11	-
LATLON	-	-15.00000	122 m		
7900N0-1400W	-	79.00000	400 ft	11	-
LATLON	-	-14.00000	122 m		
7800N0-800W	-	78.00000	400 ft	93	-
LATLON	-	-8.00000	122 m		
7800N0-700W	-	78.00000	400 ft	12	-
LATLON	-	-7.00000	122 m		
7800N0-600W	-	78.00000	400 ft	12	-
LATLON	-	-6.00000	122 m		
7700N0-100W	-	77.00000	400 ft	88	-
LATLON	-	-1.00000	122 m		
7700N0000E	-	77.00000	400 ft	13	-
LATLON	-	0.00000	122 m		
7700N0100E	-	77.00000	400 ft	13	-
LATLON	-	1.00000	122 m		
7600N0600E	-	76.00000	400 ft	92	-
LATLON	-	6.00000	122 m		
7500N01000E	-	75.00000	400 ft	84	-
LATLON	-	10.00000	122 m		
7300N01500E	-	73.00000	400 ft	145	-
LATLON	-	15.00000	122 m		
VAVAD	-	72.00000	400 ft	70	-
FIX	-	17.00000	122 m		
KOMUX	P600	70.55680	400 ft	91	-
FIX	AWY-HI	18.54500	122 m		
LOMVI	P600	70.08330	400 ft	29	-
FIX	AWY-HI	19.00230	122 m		
TRO	P600	69.70280	400 ft	22	TROMSO
VOR	AWY-HI	18.99680	122 m		
RIXEM	P853	68.79110	400 ft	61	-
FIX	AWY-HI	20.32470	122 m		
NOVRI	P853	68.54500	400 ft	16	-
FIX	AWY-HI	20.66220	122 m		
EMLET	P853	67.75000	400 ft	53	-
FIX	AWY-HI	21.69830	122 m		
SOVEV	P853	67.21330	400 ft	35	-
FIX	AWY-HI	22.35440	122 m		
ABALA	P853	66.65820	400 ft	36	-
FIX	AWY-HI	23.00000	122 m		
ASKEB	P853	66.40620	400 ft	16	-

Ident Type	Via	Lat Lon	Alt		Dist (nm)	Name
FIX	AWY-HI	23.28270	122 m			
BEXUL	P853	65.59280	400 ft	53	-	
FIX	AWY-HI	24.15390	122 m			
RATLA	P853	60.85830	400 ft	305	-	
FIX	AWY-HI	28.33830	122 m			
ULLI	-	59.80030	0 ft	85		St. Petersburg Pulkovo Intl
APT	-	30.26250	0 m			

KSEA

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

Elevation: 432 ft / 132 m
Location: 47.450200 -122.312000
Magnetic Var: 14.774 E

METAR

KSEA 100653Z 02009KT 10SM CLR 17/06 A3020 RMK A02 SLP233 T01720061

TAF

KSEA 100653Z 1007/1112 02010KT P6SM SKC FM100900 04005KT P6SM SKC FM101800 33009G16KT P6SM SKC

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	165.57		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

ULLI

Region: RUSSIA
Timezone: EUROPE/MOSCOW
Runways: 2

Elevation: 79 ft / 24 m
Location: 59.800300 30.262500
Magnetic Var: 11.654 E

METAR

ULLI 100700Z 26004MPS 9999 -SHRA SCT009 BKN018CB OVC046 06/04 Q1008 R88/290050 NOSIG

TAF

TAF ULLI 100451Z 1006/1106 29003G08MPS 8000 -RA BKN016 TEMPO 1006/1015 4000 -SHRA BKN010 BKN016CB BECMG 1012/1013

Frequencies

REC - 127.30 MHz - PULKOVO ATIS	REC - 127.40 MHz - PULKOVO ATIS
TWR - 118.70 MHz - PULKOVO TOWER	TWR - 118.10 MHz - PULKOVO TOWER
TWR - 133.50 MHz - PULKOVO TOWER	GND - 121.70 MHz - PULKOVO GROUND
GND - 119.00 MHz - PULKOVO RAMP	GND - 120.90 MHz - PULKOVO APRON
CLD - 121.90 MHz - PULKOVO DELIVERY	APP - 125.20 MHz - PETERSBURG APPROACH
APP - 119.30 MHz - PETERSBURG APPROACH	APP - 120.30 MHz - PETERSBURG KRUG RADAR
DEP - 120.30 MHz - PETERSBURG KRUG RADAR	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
10R	197 ft	12,379 ft	106.40	CONCRETE	0 ft	0 ft
	60 m	3,773 m	94.75		0 m	0 m
28L	197 ft	12,379 ft	286.46	CONCRETE	0 ft	0 ft
	60 m	3,773 m	274.80		0 m	0 m
10L	197 ft	11,132 ft	106.51	CONCRETE	0 ft	0 ft
	60 m	3,393 m	94.86		0 m	0 m
28R	197 ft	11,132 ft	286.56	CONCRETE	0 ft	0 ft
	60 m	3,393 m	274.91		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
10L	LOC-ILS	IPU	110.50 MHz	18 nm	106.54	-	79 ft
				33 km	94.89		79 m
10R	LOC-ILS	IPK	111.90 MHz	18 nm	106.43	-	79 ft
				33 km	94.78		79 m
28L	LOC-ILS	IPO	108.90 MHz	18 nm	286.43	-	79 ft
				33 km	274.78		79 m
28R	LOC-ILS	IPL	111.30 MHz	18 nm	286.54	-	79 ft
				33 km	274.89		79 m
10L	GS	IPU	110.50 MHz	10 nm	106.54	3.00	79 ft
				19 km	94.89		79 m
10R	GS	IPK	111.90 MHz	10 nm	106.43	3.00	79 ft
				19 km	94.78		79 m
28L	GS	IPO	108.90 MHz	10 nm	286.43	3.00	79 ft
				19 km	274.78		79 m
28R	GS	IPL	111.30 MHz	10 nm	286.54	3.00	79 ft
				19 km	274.89		79 m