

# KSEA

Seattle-Tacoma Intl

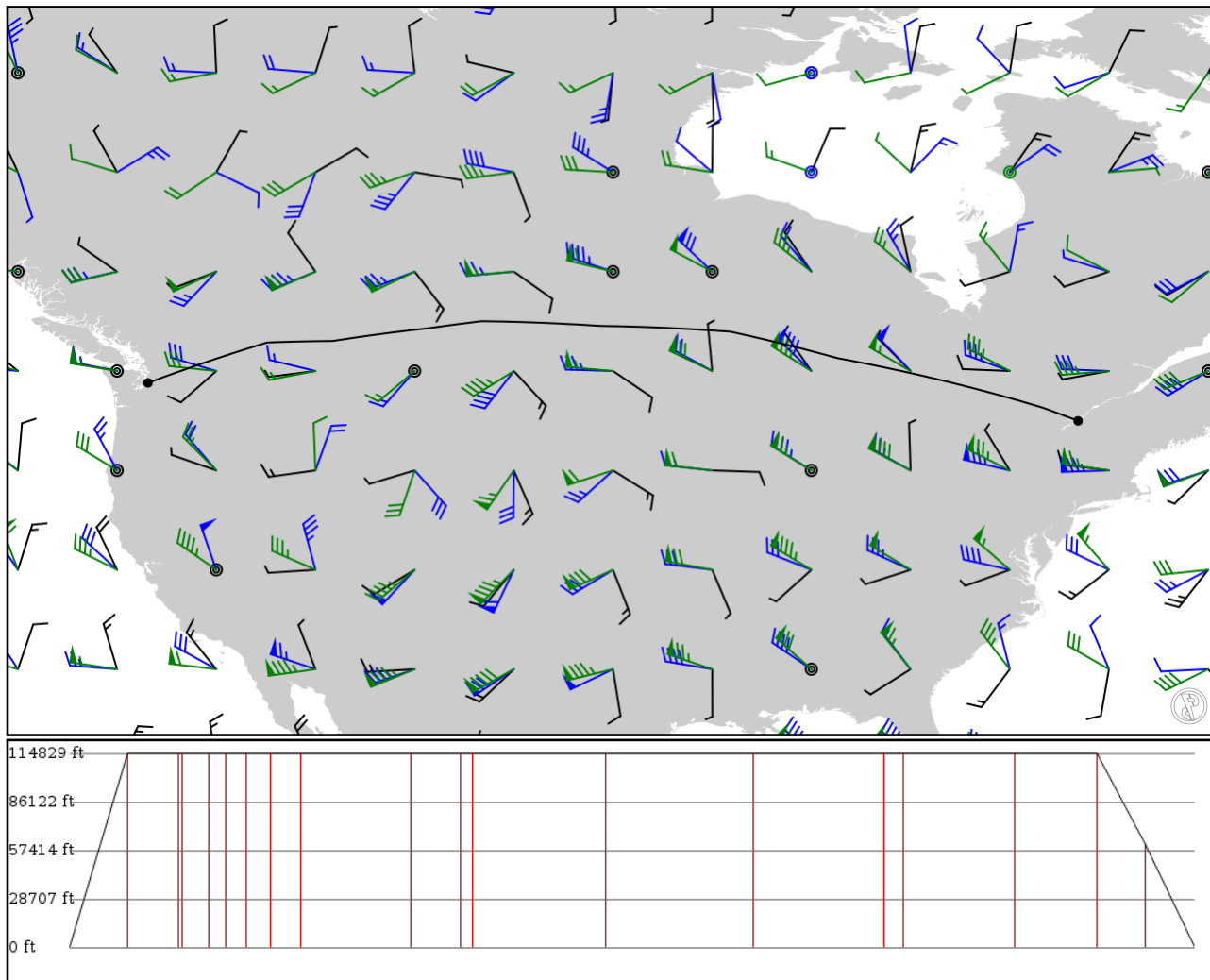
# CYUL

Montreal-Pierre Elliot Trudeau Intl

2024/06/15 0302Z

KSEA TWISP J505 YXC V300 YQL T628 YYN J500 VLR J525 YSP Q919 BEMOG CYUL

1997.80 nm / 3699.93 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
KSEA APT	-	47.45020 -122.31200	0 ft 0 m	-	Seattle-Tacoma Intl
TWISP FIX	-	48.26910 -120.03800	35,000 ft 10,668 m	103	-
ONSET FIX	J505 AWY-HI	48.95800 -118.00000	35,000 ft 10,668 m	90	-
YXC77 FIX	J505 AWY-HI	49.00000 -117.86900	35,000 ft 10,668 m	5	-
SILVR FIX	J505 AWY-HI	49.34170 -116.78400	35,000 ft 10,668 m	47	-
YXC VOR	J505 AWY-HI	49.55430 -116.08800	35,000 ft 10,668 m	30	CRANBROOK
FIRNI FIX	V300 AWY-LO	49.58670 -115.13900	35,000 ft 10,668 m	37	-
COWLE FIX	V300 AWY-LO	49.61470 -114.03800	35,000 ft 10,668 m	42	-
YQL VOR	V300 AWY-LO	49.63440 -112.66800	35,000 ft 10,668 m	53	LETHBRIDGE
YYN VOR	T628 AWY-LO	50.29700 -107.69100	35,000 ft 10,668 m	196	SWIFT CURRENT
ODGOV FIX	J500 AWY-HI	50.59890 -105.42900	35,000 ft 10,668 m	88	-
VLN VOR	J500 AWY-HI	50.66690 -104.89000	35,000 ft 10,668 m	20	LUMSDEN
VLR VOR	J500 AWY-HI	50.42240 -98.72370	35,000 ft 10,668 m	235	LANGRUTH
YXL NDB	J525 AWY-HI	50.11830 -91.89780	35,000 ft 10,668 m	262	SIOUX LOOKOUT
YSP VOR	J525 AWY-HI	48.74340 -86.32760	35,000 ft 10,668 m	232	MARATHON
MEBSI FIX	Q919 AWY-HI	48.59330 -85.53220	35,000 ft 10,668 m	32	-
DASUG FIX	Q919 AWY-HI	47.57250 -80.82140	35,000 ft 10,668 m	198	-
NAGNO FIX	Q919 AWY-HI	46.70370 -77.47420	35,000 ft 10,668 m	146	-
BEMOG FIX	Q919 AWY-HI	46.15070 -75.57260	18,600 ft 5,669 m	85	-
CYUL APT	-	45.46750 -73.74380	0 ft 0 m	86	Montreal-Pierre Elliot Trudeau Intl

## KSEA

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

Elevation: 432 ft / 132 m  
Location: 47.450200 -122.312000  
Magnetic Var: 14.760 E

## METAR

KSEA 150153Z 24009KT 8SM -RA FEW025 OVC070 13/08 A3010 RMK A02 RAB48 SLP197 P0001 T01280083

## TAF

TAF KSEA 142332Z 1500/1606 23009KT P6SM VCSH SCT030 BKN060 FM150300 23008KT P6SM BKN060 FM151100 19009KT P6SM VCSH

## 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	165.59		0 m	122 m
34R	151 ft	11,904 ft	0.35	CONCRETE	0 ft	400 ft
	46 m	3,628 m	345.59		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	165.58		0 m	61 m
34L	151 ft	8,502 ft	0.34	CONCRETE	0 ft	197 ft
	46 m	2,591 m	345.58		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	165.58		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	165.58		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	345.58		422 m
34L	LOC-ILS	IBEJ	110.75 MHz	18 nm	0.34	-	433 ft
				33 km	345.58		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	165.93		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	345.93		355 m

## CYUL

Region: CANADA  
Timezone: AMERICA/MONTREAL  
Runways: 3

Elevation: 118 ft / 36 m  
Location: 45.467500 -73.743800  
Magnetic Var: 13.891 W

## METAR

CYUL 150200Z 34009KT 15SM FEW085 18/08 A2993 RMK AC2 SLP138 DENSITY ALT 500FT

## TAF

TAF CYUL 150240Z 1503/1524 36012KT P6SM FEW080 FM150800 02008KT P6SM SCT050 TEMPO 1508/1513 BKN050 FM151300 36010

## Frequencies

TWR - 119.90 MHz - MONTREAL TOWER	TWR - 119.30 MHz - MONTREAL TOWER
TWR - 124.30 MHz - MONTREAL TOWER	GND - 121.00 MHz - MONTREAL GROUND
GND - 121.90 MHz - MONTREAL GROUND	CLD - 125.60 MHz - CLEARANCE DELIVERY
APP - 132.85 MHz - MONTREAL APPROACH	APP - 126.90 MHz - MONTREAL APPROACH
DEP - 124.65 MHz - MONTREAL DEPARTURE	DEP - 120.42 MHz - MONTREAL DEPARTURE
REC - 133.70 MHz - ATIS	REC - 127.50 MHz - ATIS
COM - 123.55 MHz - QUEBEC FIC	COM - 126.70 MHz - QUEBEC FIC
COM - 134.15 MHz - VFR ADVISORY	

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
06L	197 ft	11,010 ft	42.55	ASPHALT	0 ft	0 ft
	60 m	3,356 m	56.44		0 m	0 m
24R	197 ft	11,010 ft	222.57	ASPHALT	0 ft	0 ft
	60 m	3,356 m	236.46		0 m	0 m
06R	197 ft	9,608 ft	42.59	CONCRETE	0 ft	0 ft
	60 m	2,929 m	56.48		0 m	0 m
24L	197 ft	9,608 ft	222.60	CONCRETE	0 ft	0 ft
	60 m	2,929 m	236.49		0 m	0 m
10	197 ft	7,008 ft	87.61	ASPHALT	0 ft	0 ft
	60 m	2,136 m	101.50		0 m	0 m
28	197 ft	7,008 ft	267.63	ASPHALT	0 ft	0 ft
	60 m	2,136 m	281.52		0 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
06L	LOC-ILS	IUL	109.30 MHz	18 nm	42.57	-	118 ft
				33 km	56.46		118 m
06R	LOC-ILS	IOA	110.50 MHz	18 nm	42.60	-	118 ft
				33 km	56.49		118 m
10	LOC-ILS	IDO	110.10 MHz	18 nm	87.62	-	118 ft
				33 km	101.51		118 m
24L	LOC-ILS	IMQ	110.50 MHz	18 nm	222.60	-	118 ft
				33 km	236.49		118 m
24R	LOC-ILS	IZZ	111.90 MHz	18 nm	222.57	-	118 ft
				33 km	236.46		118 m
06L	GS	IUL	109.30 MHz	10 nm	42.57	3.00	118 ft
				19 km	56.46		118 m
06R	GS	IOA	110.50 MHz	10 nm	42.60	3.00	118 ft
				19 km	56.49		118 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
10	GS	IDO	110.10 MHz	10 nm	87.62	3.00	118 ft
				19 km	101.51		118 m
24L	GS	IMQ	110.50 MHz	10 nm	222.60	3.00	118 ft
				19 km	236.49		118 m
24R	GS	IZZ	111.90 MHz	10 nm	222.57	3.00	118 ft
				19 km	236.46		118 m