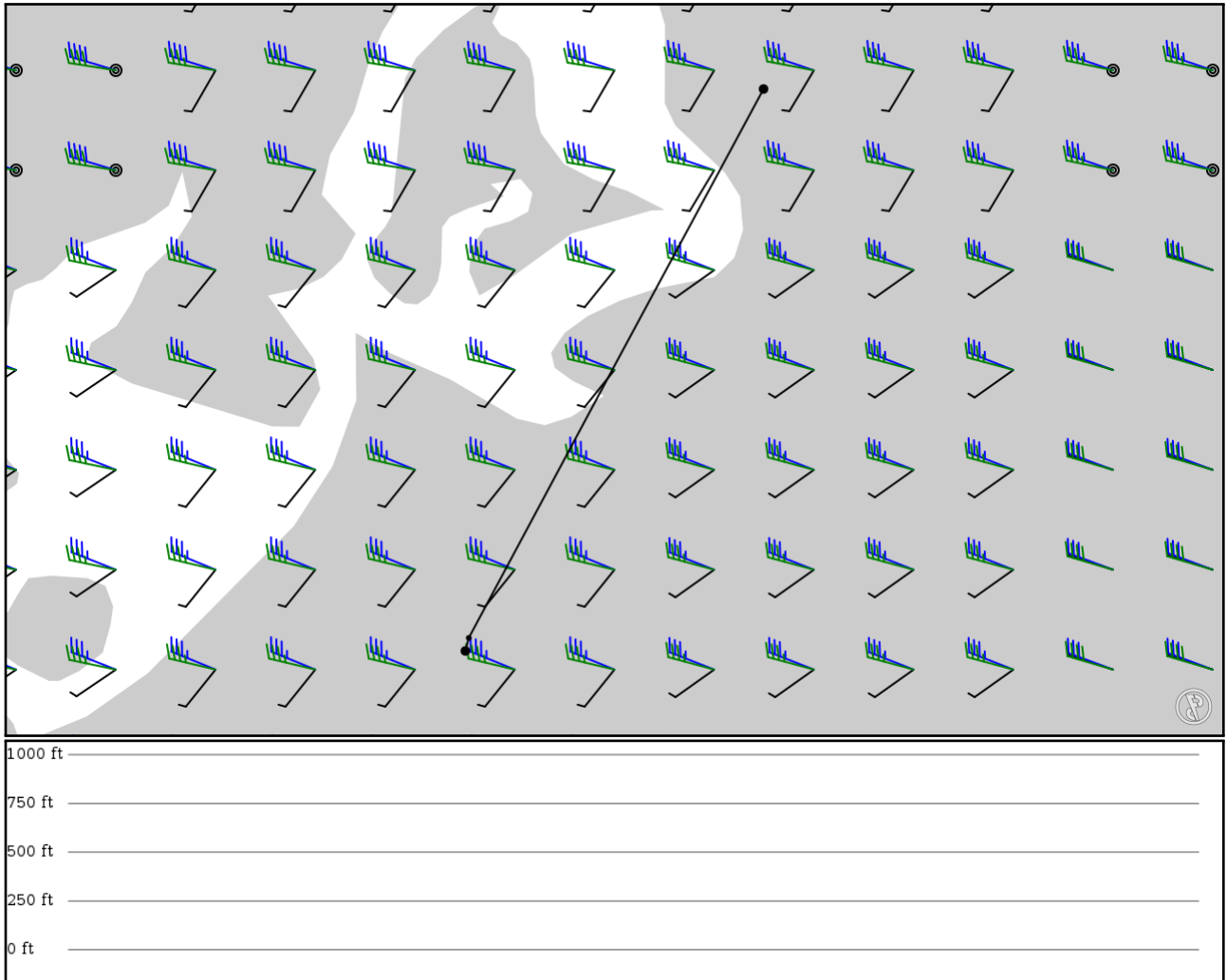


2024/06/08 1722Z

KSEA TCM KTCM

19.78 nm / 36.63 km



## Notes

Basic altitude profile:

- Ascent Rate: 400ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 300ft
- Cruise Speed: 400kts
- Descent Rate: 400ft/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	-	47.45019	0 ft	-	Seattle Tacoma Intl
APT	-	-122.31232	0 m		
TCM	-	47.14767	0 ft	19	MCCHORD VORTAC
VOR	-	-122.47503	0 m		
KTCM	-	47.14047	0 ft	0	MC CHORD AFB
APT	-	-122.47692	0 m		

## KSEA

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

Elevation: 432 ft / 132 m  
Location: 47.450200 -122.312000  
Magnetic Var: 14.763 E

## METAR

KSEA 081653Z 29006KT 10SM SCT250 21/07 A2992 RMK AO2 SLP137 T02060072

## TAF

KSEA 081507Z 0815/0918 VRB03KT P6SM SCT250 FM081800 25006KT P6SM SCT250 FM090000 28007KT P6SM BKN250 FM090300 320

## 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	165.58		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	IBEJ	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

## KTCM

Region: UNITED STATES  
Timezone: AMERICA/LOS\_ANGELES  
Runways: 2

Elevation: 321 ft / 98 m  
Location: 47.137700 -122.476000  
Magnetic Var: 14.729 E

## METAR

KTCM 081655Z AUTO 01003KT 10SM CLR 22/08 A2991 RMK A02 SLP131 T02230084 \$

## TAF

TAF KTCM 081300Z 0813/0919 19004KT 9999 FEW200 QNH2989INS BECMG 0815/0816 VRB06KT 9999 SCT200 QNH2990INS BECMG 08

## Frequencies

GND - 125.15 MHz -  
APP - 126.50 MHz - SEATTLE APP/DEP

TWR - 124.80 MHz -  
REC - 270.10 MHz - ATIS

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
16	150 ft	10,105 ft	179.76	ASPHALT	0 ft	997 ft
	46 m	3,080 m	165.03		0 m	304 m
34	150 ft	10,105 ft	359.76	ASPHALT	0 ft	1,001 ft
	46 m	3,080 m	345.03		0 m	305 m
17	60 ft	3,336 ft	179.72	ASPHALT	0 ft	0 ft
	18 m	1,017 m	164.99		0 m	0 m
35	60 ft	3,336 ft	359.72	ASPHALT	0 ft	0 ft
	18 m	1,017 m	344.99		0 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
16	LOC-ILS	IMAR	109.90 MHz	18 nm	179.76	-	321 ft
				33 km	165.03		321 m
34	LOC-ILS	ITCM	108.50 MHz	18 nm	359.90	-	321 ft
				33 km	345.17		321 m
16	GS	IMAR	109.90 MHz	10 nm	180.76	3.00	321 ft
				19 km	166.03		321 m
34	GS	ITCM	108.50 MHz	10 nm	359.90	3.00	321 ft
				19 km	345.17		321 m