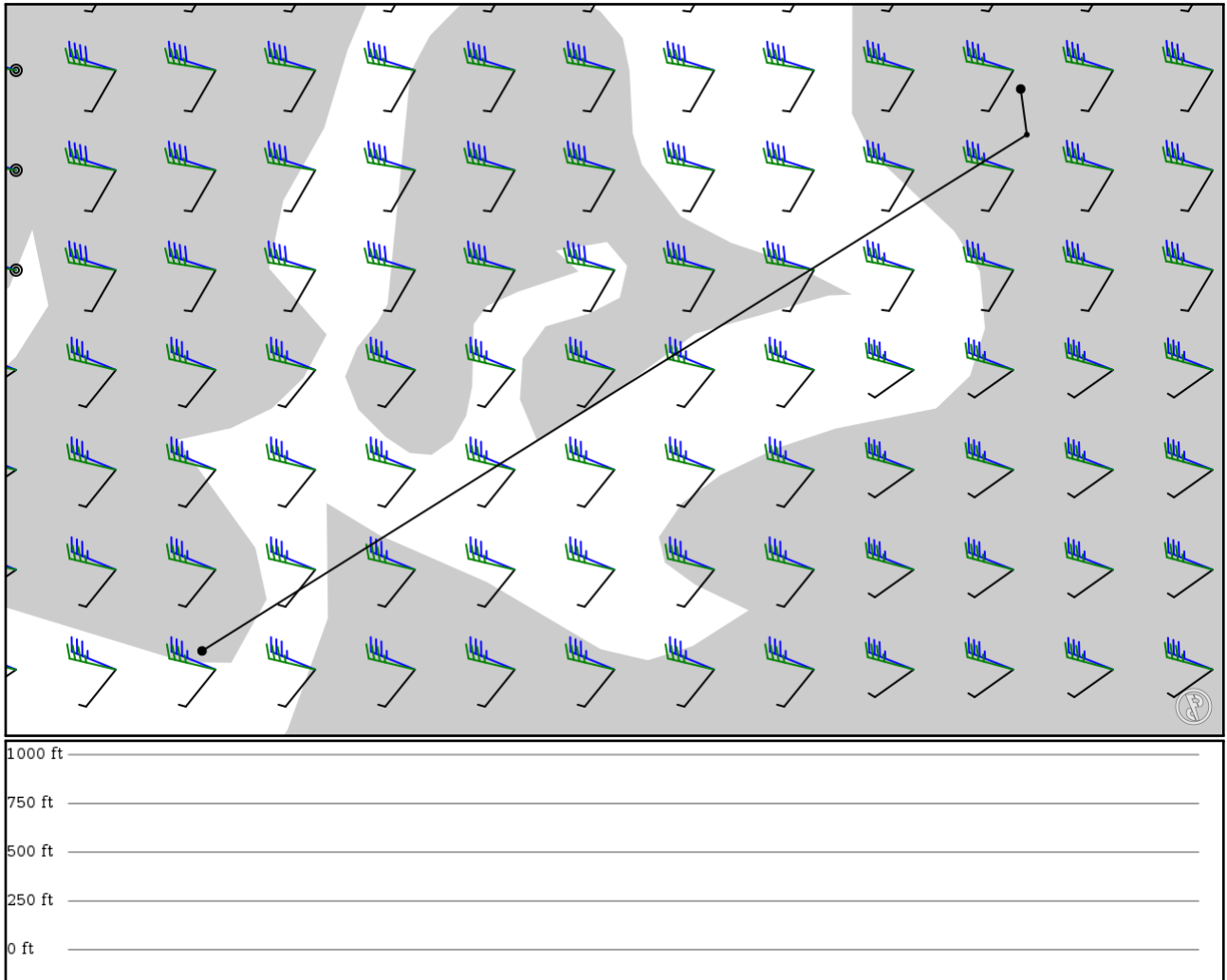


2024/05/16 2251Z

KSEA SEA KTIW

15.73 nm / 29.13 km



Notes

Basic altitude profile:

- Ascent Rate: 100ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 13000ft
- Cruise Speed: 340kts
- Descent Rate: 1500ft/min
- Descent Speed: 100kts

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		
SEA	-	47.43540	0 ft	0	SEATTLE
VOR	-	-122.31000	0 m		
KTIW	-	47.26790	0 ft	14	TACOMA NARROWS
APT	-	-122.57800	0 m		

KSEA

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

Elevation: 432 ft / 132 m
Location: 47.450200 -122.312000
Magnetic Var: 14.772 E

METAR

KSEA 162229Z 22021G30KT 10SM SCT027 BKN140 16/08 A2991 RMK A02 PK WND 22034/2155 T01610083

TAF

TAF AMD KSEA 162150Z 1622/1724 21012G25KT P6SM SCT020 OVC025 FM170200 22012G24KT P6SM VCSH BKN030 FM170600 19009K

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	345.57		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	165.57		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	165.57		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	345.57		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

KTIW

Region: UNITED STATES
Timezone: AMERICA/LOS_ANGELES
Runways: 1

Elevation: 291 ft / 89 m
Location: 47.267900 -122.578000
Magnetic Var: 14.781 E

METAR

KTIW 162209Z 22014G27KT 190V250 10SM SCT025 17/10 A2995 RMK A02 PK WND 20027/2208 T01720100 \$

TAF

UNKNOWN

Frequencies

REC - 124.05 MHz - ATIS
COM - 122.95 MHz - UNICOM
TWR - 118.50 MHz -
COM - 118.50 MHz - CTAF
GND - 121.80 MHz -
APP - 120.10 MHz - SEATTLE APP/DEP

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
17	150 ft	5,004 ft	186.99	ASPHALT	0 ft	0 ft
	46 m	1,525 m	172.21		0 m	0 m
35	150 ft	5,004 ft	6.99	ASPHALT	0 ft	0 ft
	46 m	1,525 m	352.21		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
17	LOC-ILS	ITIW	109.10 MHz	18 nm	186.99	-	291 ft
				33 km	172.21		291 m
17	GS	ITIW	109.10 MHz	10 nm	186.99	3.00	291 ft
				19 km	172.21		291 m