

# KSAN

San Diego Intl

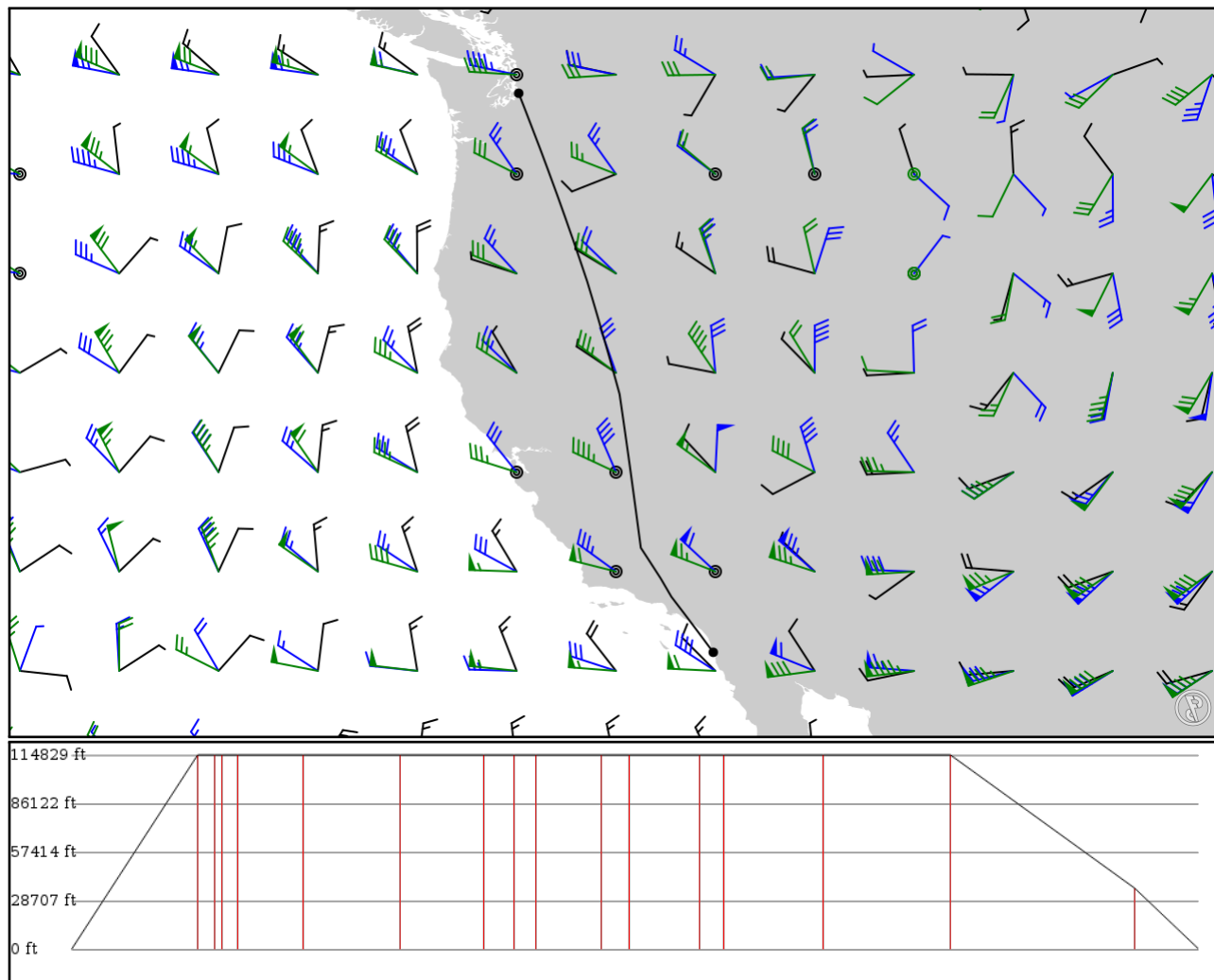
# KSEA

Seattle-Tacoma Intl

2024/05/02 1251Z

KSAN BERRI V459 SAUGS V165 LHS T259 EHF J5 SUMMA KSEA

924.62 nm / 1712.40 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
KSAN APT	-	32.73360 -117.19000	0 ft 0 m	-	San Diego Intl
BERRI FIX	-	34.19730 -118.29300	35,000 ft 10,668 m	103	-
KIMMO FIX	V459 AWY-LO	34.41020 -118.41700	35,000 ft 10,668 m	14	-
SAUGS FIX	V459 AWY-LO	34.49660 -118.46800	35,000 ft 10,668 m	5	-
LHS VOR	V165 AWY-LO	34.68300 -118.57700	35,000 ft 10,668 m	12	LAKE HUGHES
EHF VOR	T259 AWY-LO	35.48460 -119.09700	35,000 ft 10,668 m	54	SHAFTER (BAKERSFIELD)
PINNI FIX	J5 AWY-HI	36.79780 -119.27200	35,000 ft 10,668 m	79	-
TIOGA FIX	J5 AWY-HI	37.93290 -119.42800	35,000 ft 10,668 m	68	-
SONNY FIX	J5 AWY-HI	38.33570 -119.48500	35,000 ft 10,668 m	24	-
TILTS FIX	J5 AWY-HI	38.63470 -119.52700	35,000 ft 10,668 m	18	-
FMG VOR	J5 AWY-HI	39.53130 -119.65600	35,000 ft 10,668 m	54	MUSTANG (RENO)
PYRAM FIX	J5 AWY-HI	39.89330 -119.75600	35,000 ft 10,668 m	22	-
HARTT FIX	J5 AWY-HI	40.83590 -120.02100	35,000 ft 10,668 m	57	-
BAARB FIX	J5 AWY-HI	41.15760 -120.11400	35,000 ft 10,668 m	19	-
LKV VOR	J5 AWY-HI	42.49280 -120.50700	35,000 ft 10,668 m	82	LAKEVIEW
POWEL FIX	J5 AWY-HI	44.17870 -121.08600	35,000 ft 10,668 m	104	-
SUMMA FIX	J5 AWY-HI	46.61790 -121.98800	11,000 ft 3,353 m	151	-
KSEA APT	-	47.45020 -122.31200	0 ft 0 m	51	Seattle-Tacoma Intl

## KSAN

Region: UNITED STATES  
Timezone: AMERICA/LOS\_ANGELES  
Runways: 1

Elevation: 17 ft / 5 m  
Location: 32.733600 -117.190000  
Magnetic Var: 10.972 E

## METAR

KSAN 021151Z 20005KT 9SM OVC016 17/12 A2990 RMK A02 SLP125 T01670117 10172 20161 53001 \$

## TAF

TAF KSAN 021120Z 0212/0318 VRB04KT P6SM OVC016 FM021600 18006KT P6SM BKN021 FM021900 24009KT P6SM BKN021 TEMPO 021

## Frequencies

REC - 134.80 MHz - LINDBERGH ATIS	CLD - 125.90 MHz - LINDBERGH CLEARANCE
GND - 123.90 MHz - LINDBERGH GROUND	TWR - 118.30 MHz - LINDBERGH TOWER
DEP - 119.60 MHz - SOCAL WEST DEPARTURE	DEP - 124.35 MHz - SOCAL EAST DEPARTURE
APP - 119.60 MHz - SOCAL WEST APPROACH	APP - 124.35 MHz - SOCAL EAST APPROACH

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
09	200 ft	9,388 ft	106.13	ASPHALT	1,004 ft	390 ft
	61 m	2,861 m	95.16		306 m	119 m
27	200 ft	9,388 ft	286.15	ASPHALT	1,811 ft	0 ft
	61 m	2,861 m	275.18		552 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
09	DME	ISAN	111.55 MHz	18 nm	-	-	29 ft
				33 km	-		29 m
27	DME	IUBR	110.90 MHz	18 nm	-	-	26 ft
				33 km	-		26 m
09	LOC-ILS	ISAN	111.55 MHz	18 nm	106.14	-	17 ft
				33 km	95.17		17 m
27	LOC-LOC	IUBR	110.90 MHz	18 nm	286.14	-	17 ft
				33 km	275.17		17 m
09	GS	ISAN	111.55 MHz	10 nm	106.14	3.10	17 ft
				19 km	95.17		17 m

## KSEA

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

Elevation: 432 ft / 132 m  
Location: 47.450200 -122.312000  
Magnetic Var: 14.777 E

## METAR

KSEA 021153Z 04008KT 10SM SCT012 07/03 A3001 RMK AO2 SLP170 T00670033 10100 20061 55005

## TAF

KSEA 021131Z 0212/0318 04005KT P6SM SCT200 FM021600 02010KT P6SM SKC FM030300 33005KT P6SM SKC FM030600 16004KT 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	165.89		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	345.89		360 m
34R	GS	ISEA	110.30 MHz	10 nm	0.69	2.75	355 ft
				19 km	345.91		355 m