KSAN
San Diego Intl

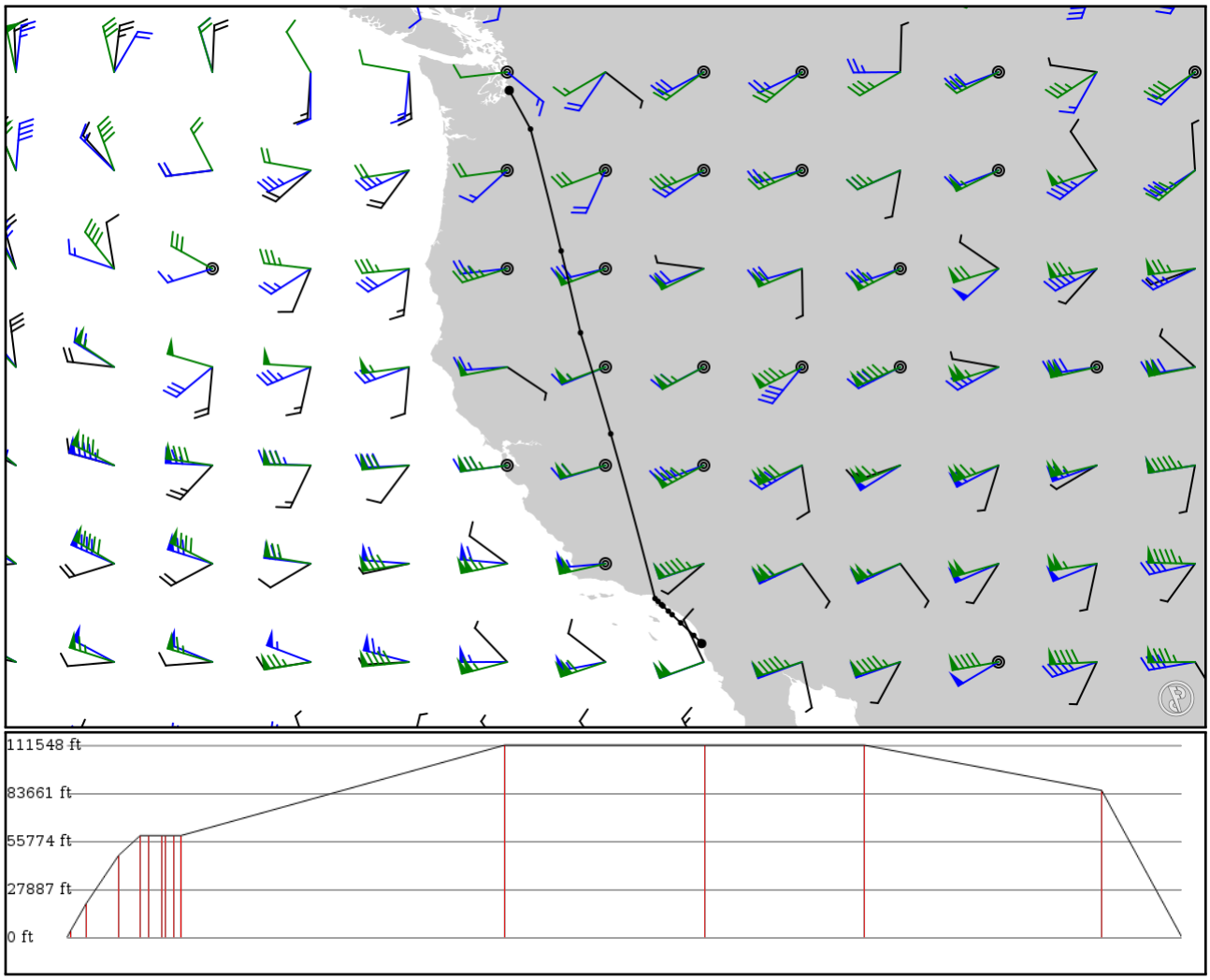
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KSEA
Seattle Tacoma Intl

2024/03/29 0644Z

KSAN MZB **V25** HERMO **V165** LAX **Q11** PAAGE KSEA

926.77 nm / 1716.38 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	–	32.73356 -117.18966	0 ft 0 m	–	San Diego Intl
MZB DME	–	32.78220 -117.22541	1,200 ft 366 m	3	MISSION BAY VORTAC
REDIN FIX	V25 AWY-LO	32.95108 -117.39975	6,000 ft 1,829 m	13	–
PACIF FIX	V25 AWY-LO	33.28589 -117.74803	14,500 ft 4,420 m	26	–
MINOE FIX	V25 AWY-LO	33.50427 -117.97725	18,000 ft 5,486 m	17	–
ALBAS FIX	V25 AWY-LO	33.59963 -118.07782	18,000 ft 5,486 m	7	–
FERMY FIX	V25 AWY-LO	33.73341 -118.21941	18,000 ft 5,486 m	10	–
WILMA FIX	V25 AWY-LO	33.77116 -118.25949	18,000 ft 5,486 m	3	–
HERMO FIX	V25 AWY-LO	33.85899 -118.35291	18,000 ft 5,486 m	7	–
LAX VOR	V165 AWY-LO	33.93314 -118.43200	18,000 ft 5,486 m	5	LOS ANGELES VORTAC
PUSHH FIX	Q11 AWY-HI	38.31472 -119.61111	34,000 ft 10,363 m	269	–
PITVE FIX	Q11 AWY-HI	41.00389 -120.41583	34,000 ft 10,363 m	165	–
PAWLI FIX	Q11 AWY-HI	43.18000 -120.93056	34,000 ft 10,363 m	132	–
PAAGE FIX	Q11 AWY-HI	46.42278 -121.74556	26,000 ft 7,925 m	197	–
KSEA APT	–	47.45019 -122.31232	0 ft 0 m	65	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: 10.980 E

METAR

KSAN 290551Z 34005KT 10SM BKN020 16/11 A3004 RMK AO2 SLP172 T01560111 10167 20150 51006 $

TAF

TAF KSAN 290520Z 2906/3012 31006KT P6SM BKN016 FM290800 VRB04KT P6SM BKN025 FM291300 VRB04KT P6SM SCT025 BKN035 FM

Frequencies

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

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
09	200 ft 61 m	9,388 ft 2,861 m	106.13 95.15	ASPHALT	1,004 ft 306 m	390 ft 119 m
27	200 ft 61 m	9,388 ft 2,861 m	286.15 275.17	ASPHALT	1,811 ft 552 m	0 ft 0 m

Approach Navaids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
09	DME	ISAN	111.55 MHz	18 nm 33 km	- -	-	29 ft 29 m
27	DME	IUBR	110.90 MHz	18 nm 33 km	- -	-	26 ft 26 m
09	LOC-ILS	ISAN	111.55 MHz	18 nm 33 km	106.14 95.16	-	17 ft 17 m
27	LOC-LOC	IUBR	110.90 MHz	18 nm 33 km	286.14 275.16	-	17 ft 17 m
09	GS	ISAN	111.55 MHz	10 nm 19 km	106.14 95.16	3.10	17 ft 17 m

KSEA

Region: UNITED STATES
Timezone: AMERICA/LOS_ANGELES
Runways: 3
Elevation: 432 ft / 132 m
Location: 47.450200 -122.312000
Magnetic Var: 14.791 E

METAR

KSEA 290553Z 20008KT 10SM SCT050 08/02 A2980 RMK AO2 SLP098 60001 T00780022 10111 20078 53018

TAF

TAF KSEA 290520Z 2906/3012 21012KT P6SM SCT050 SCT070 FM290900 16006KT P6SM OVC050 FM291800 35005KT P6SM SCT050 BK

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 46 m	11,904 ft 3,628 m	180.35 165.56	CONCRETE	0 ft 0 m	400 ft 122 m
34R	151 ft 46 m	11,904 ft 3,628 m	0.35 345.56	CONCRETE	0 ft 0 m	400 ft 122 m
16C	151 ft 46 m	9,428 ft 2,874 m	180.34 165.55	CONCRETE	0 ft 0 m	400 ft 122 m
34C	151 ft 46 m	9,428 ft 2,874 m	0.34 345.55	CONCRETE	0 ft 0 m	397 ft 121 m
16R	151 ft 46 m	8,502 ft 2,591 m	180.34 165.55	CONCRETE	0 ft 0 m	200 ft 61 m
34L	151 ft 46 m	8,502 ft 2,591 m	0.34 345.55	CONCRETE	0 ft 0 m	197 ft 60 m

Approach Navaids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
16C	DME	ISZI	111.70 MHz	18 nm 33 km	- -	-	470 ft 470 m
16L	DME	ISNQ	110.30 MHz	18 nm 33 km	- -	-	369 ft 369 m
16R	DME	ICJL	110.75 MHz	18 nm 33 km	- -	-	410 ft 410 m
34C	DME	ITUC	111.70 MHz	18 nm 33 km	- -	-	470 ft 470 m
34L	DME	IBEJ	110.75 MHz	18 nm 33 km	- -	-	410 ft 410 m
34R	DME	ISEA	110.30 MHz	18 nm 33 km	- -	-	469 ft 469 m
16C	LOC-ILS	ISZI	111.70 MHz	18 nm 33 km	180.34 165.55	-	355 ft 355 m
16L	LOC-ILS	ISNQ	110.30 MHz	18 nm 33 km	180.34 165.55	-	338 ft 338 m
16R	LOC-ILS	ICJL	110.75 MHz	18 nm 33 km	180.34 165.55	-	410 ft 410 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
34C	LOC-ILS	ITUC	111.70 MHz	18 nm 33 km	0.34 345.55	-	422 ft 422 m
34L	LOC-ILS	IBEJ	110.75 MHz	18 nm 33 km	0.34 345.55	-	433 ft 433 m
34R	LOC-ILS	ISEA	110.30 MHz	18 nm 33 km	0.34 345.55	-	428 ft 428 m
16C	GS	ISZI	111.70 MHz	10 nm 19 km	180.67 165.88	3.00	418 ft 418 m
16L	GS	ISNQ	110.30 MHz	10 nm 19 km	180.69 165.90	3.00	425 ft 425 m
16R	GS	ICJL	110.75 MHz	10 nm 19 km	180.67 165.88	3.00	410 ft 410 m
34C	GS	ITUC	111.70 MHz	10 nm 19 km	0.67 345.88	3.00	367 ft 367 m
34L	GS	IBEJ	110.75 MHz	10 nm 19 km	0.67 345.88	3.00	360 ft 360 m
34R	GS	ISEA	110.30 MHz	10 nm 19 km	0.69 345.90	2.75	355 ft 355 m