

KSAN

San Diego Intl

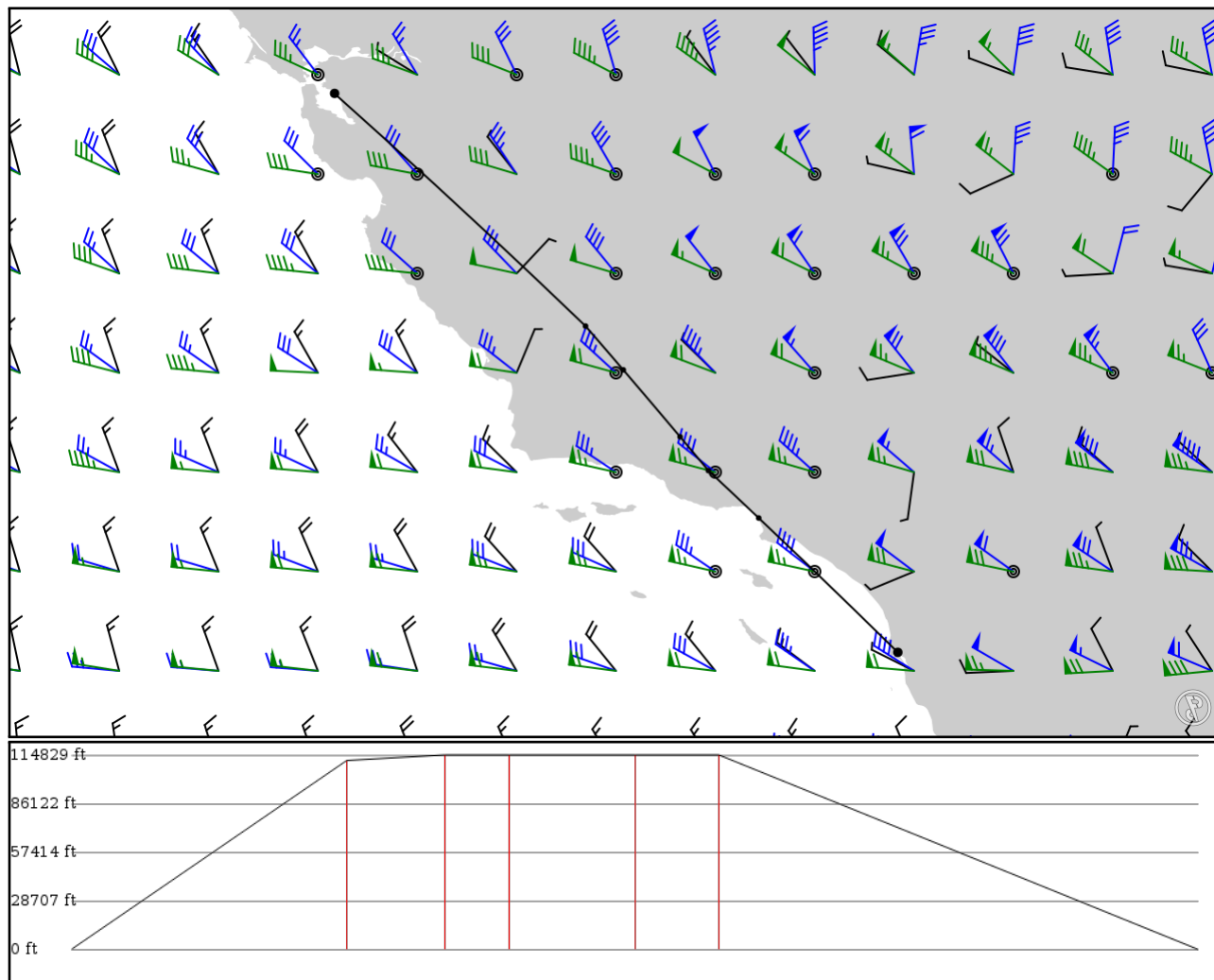
KOAK

Metro Oakland Intl

2024/05/08 0636Z

KSAN LAX J1 OAK KOAK

388.91 nm / 720.26 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: no
- Use low airways: no
- 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
LAX VOR	-	33.93314 -118.43200	34,000 ft 10,363 m	95	LOS ANGELES VORTAC
FIM VOR	J1 AWY-HI	34.35669 -118.88128	35,000 ft 10,668 m	33	FILLMORE VORTAC
REYES FIX	J1 AWY-HI	34.65873 -119.13432	35,000 ft 10,668 m	22	-
DERBB FIX	J1 AWY-HI	35.25590 -119.64145	35,000 ft 10,668 m	43	-
AVE VOR	J1 AWY-HI	35.64697 -119.97861	35,000 ft 10,668 m	28	AVENAL VORTAC
OAK VOR	J1 AWY-HI	37.72592 -122.22358	0 ft 0 m	165	OAKLAND VORTAC
KOAK APT	-	37.72482 -122.21952	0 ft 0 m	0	Metro Oakland Intl

KSAN

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

Elevation: 17 ft / 5 m
Location: 32.733600 -117.190000
Magnetic Var: 10.970 E

METAR

KSAN 080611Z 17008KT 10SM SCT018 16/12 A2991 RMK A02 T01610117 \$

TAF

TAF KSAN 080520Z 0806/0912 15007KT P6SM OVC016 FM081900 20008KT P6SM SCT020 FM090200 VRB04KT P6SM BKN015

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

KOAK

Region: UNITED STATES
Timezone: AMERICA/LOS_ANGELES
Runways: 4

Elevation: 8 ft / 2 m
Location: 37.725000 -122.220000
Magnetic Var: 12.841 E

METAR

KOAK 080553Z 30004KT 10SM CLR 13/11 A3001 RMK A02 SLP160 T01330106 10194 20133 53003

TAF

TAF KOAK 080537Z 0806/0912 31007KT P6SM SKC WS020/01035KT FM081800 35015G20KT P6SM SKC FM090200 34011KT P6SM SKC V

Frequencies

REC - 133.77 MHz - OAKLAND ATIS	COM - 122.95 MHz - OAKLAND UNICOM
CLD - 121.10 MHz - OAKLAND CLEARANCE DELIVERY	GND - 121.90 MHz - OAKLAND GROUND NORTH
GND - 121.75 MHz - OAKLAND GROUND SOUTH	TWR - 118.30 MHz - OAKLAND TOWER NORTH
TWR - 127.20 MHz - OAKLAND TOWER SOUTH	TWR - 124.90 MHz - OAKLAND TOWER SOUTH
APP - 125.35 MHz - NORCAL APPROACH	APP - 128.32 MHz - NORCAL APPROACH EAST
APP - 135.10 MHz - NORCAL APPROACH EAST	APP - 133.95 MHz - NORCAL APPROACH WEST
APP - 134.50 MHz - NORCAL APPROACH WEST	DEP - 120.90 MHz - NORCAL DEPARTURE NORTH WEST
DEP - 135.10 MHz - NORCAL DEPARTURE WEST	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
12	150 ft	10,530 ft	130.11	ASPHALT	0 ft	397 ft
	46 m	3,210 m	117.27		0 m	121 m
30	150 ft	10,530 ft	310.13	ASPHALT	128 ft	397 ft
	46 m	3,210 m	297.28		39 m	121 m
10R	150 ft	6,219 ft	112.25	ASPHALT	0 ft	774 ft
	46 m	1,896 m	99.41		0 m	236 m
28L	150 ft	6,219 ft	292.27	ASPHALT	0 ft	390 ft
	46 m	1,896 m	279.42		0 m	119 m
10L	150 ft	5,463 ft	112.24	ASPHALT	0 ft	390 ft
	46 m	1,665 m	99.40		0 m	119 m
28R	150 ft	5,463 ft	292.25	ASPHALT	0 ft	259 ft
	46 m	1,665 m	279.41		0 m	79 m
15	75 ft	3,379 ft	164.48	ASPHALT	0 ft	0 ft
	23 m	1,030 m	151.64		0 m	0 m
33	75 ft	3,379 ft	344.48	ASPHALT	0 ft	0 ft
	23 m	1,030 m	331.64		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
12	LOC-ILS	IAAZ	111.90 MHz	18 nm	130.11	-	8 ft
				33 km	117.27		8 m
28R	LOC-ILS	IOAK	109.90 MHz	18 nm	292.25	-	8 ft
				33 km	279.41		8 m
30	LOC-ILS	IINB	108.70 MHz	18 nm	310.11	-	8 ft
				33 km	297.27		8 m
12	GS	IAAZ	111.90 MHz	10 nm	130.11	2.75	8 ft
				19 km	117.27		8 m
28R	GS	IOAK	109.90 MHz	10 nm	292.25	3.00	8 ft
				19 km	279.41		8 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
30	GS	IINB	108.70 MHz	10 nm	310.11	3.00	8 ft
				19 km	297.27		8 m