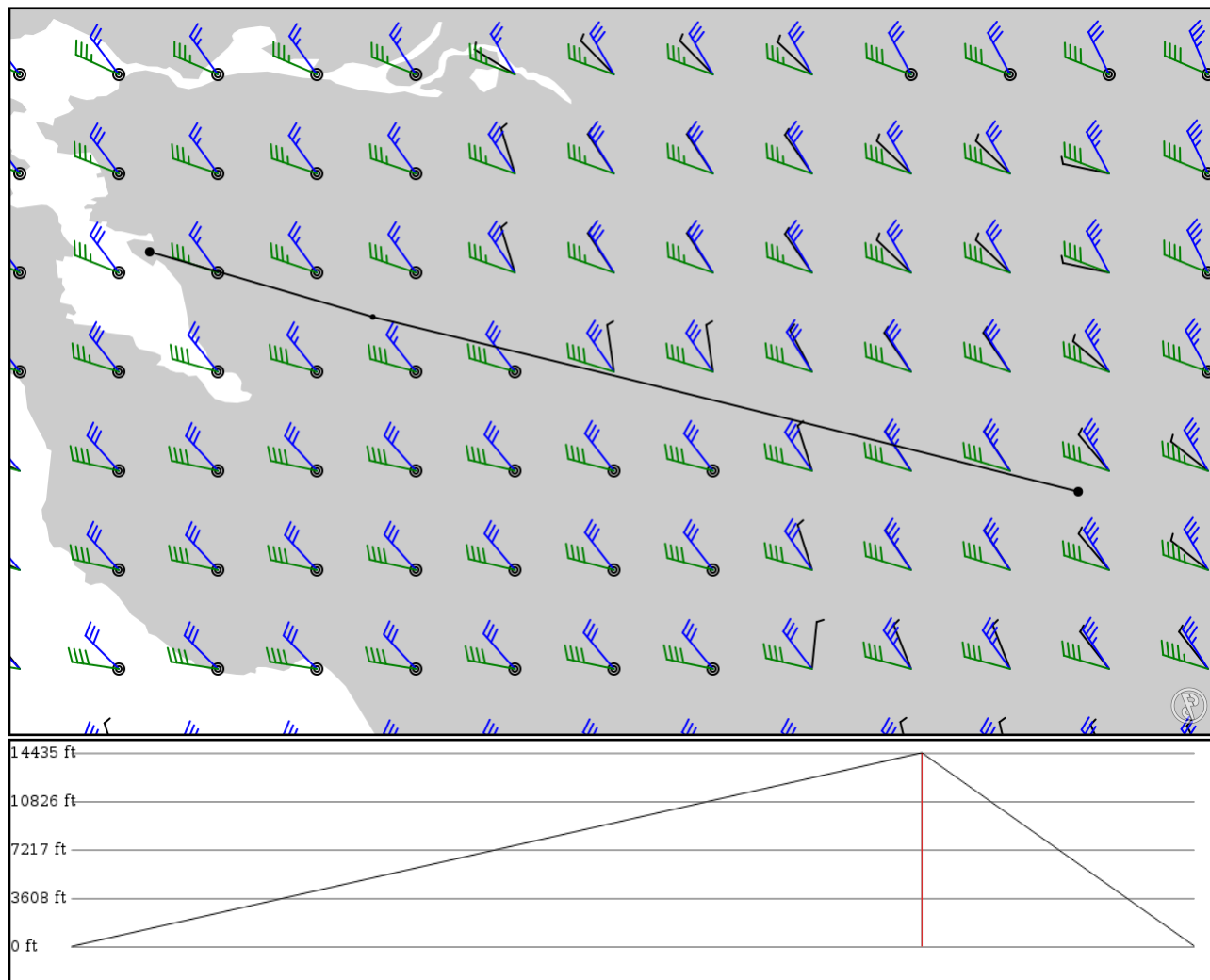


2024/05/03 0145Z

KMCE SUNOL KOAK

85.50 nm / 158.34 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
KMCE	-	37.28480	0 ft	-	Merced Regional
APT	-	-120.51400	0 m	-	
SUNOL	-	37.60550	4,400 ft	64	-
FIX	-	-121.81000	1,341 m	-	
KOAK	-	37.72500	0 ft	20	Metro Oakland Intl
APT	-	-122.22000	0 m	-	

## KMCE

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

Elevation: 155 ft / 47 m  
Location: 37.284800 -120.514000  
Magnetic Var: 12.472 E

## METAR

KMCE 030053Z AUTO 33013KT 10SM CLR 27/08 A2985 RMK A02 SLP108 T02720083

## TAF

TAF KMCE 022320Z 0300/0324 33015G22KT P6SM SKC FM030300 32006KT P6SM SKC FM031600 33012G21KT P6SM SKC FM031800 320

## Frequencies

COM - 122.70 MHz - MERCED REGIONAL UNICOM  
DEP - 120.95 MHz - NORCAL DEPARTURE

REC - 132.17 MHz - MERCED REGIONAL ATIS  
APP - 120.95 MHz - NORCAL APPROACH

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
12	150 ft	5,920 ft	138.59	ASPHALT	0 ft	331 ft
	46 m	1,804 m	126.12		0 m	101 m
30	150 ft	5,920 ft	318.60	ASPHALT	0 ft	341 ft
	46 m	1,804 m	306.13		0 m	104 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
30	DME	IMCE	109.30 MHz	18 nm	-	-	170 ft
				33 km	-		170 m
30	LOC-ILS	IMCE	109.30 MHz	18 nm	318.61	-	153 ft
				33 km	306.14		153 m
30	GS	IMCE	109.30 MHz	10 nm	319.20	3.00	153 ft
				19 km	306.73		153 m

## KOAK

Region: UNITED STATES  
Timezone: AMERICA/LOS\_ANGELES  
Runways: 4

Elevation: 8 ft / 2 m  
Location: 37.725000 -122.220000  
Magnetic Var: 12.843 E

## METAR

KOAK 030053Z 27013KT 10SM FEW010 FEW200 18/12 A2995 RMK A02 SLP142 T01830117

## TAF

KOAK 022323Z 0300/0406 28015G22KT P6SM SKC FM030600 31008KT P6SM FEW015 FM032100 27014G24KT P6SM SKC FM040400 270

## 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