

# KOAK

Metro Oakland Intl

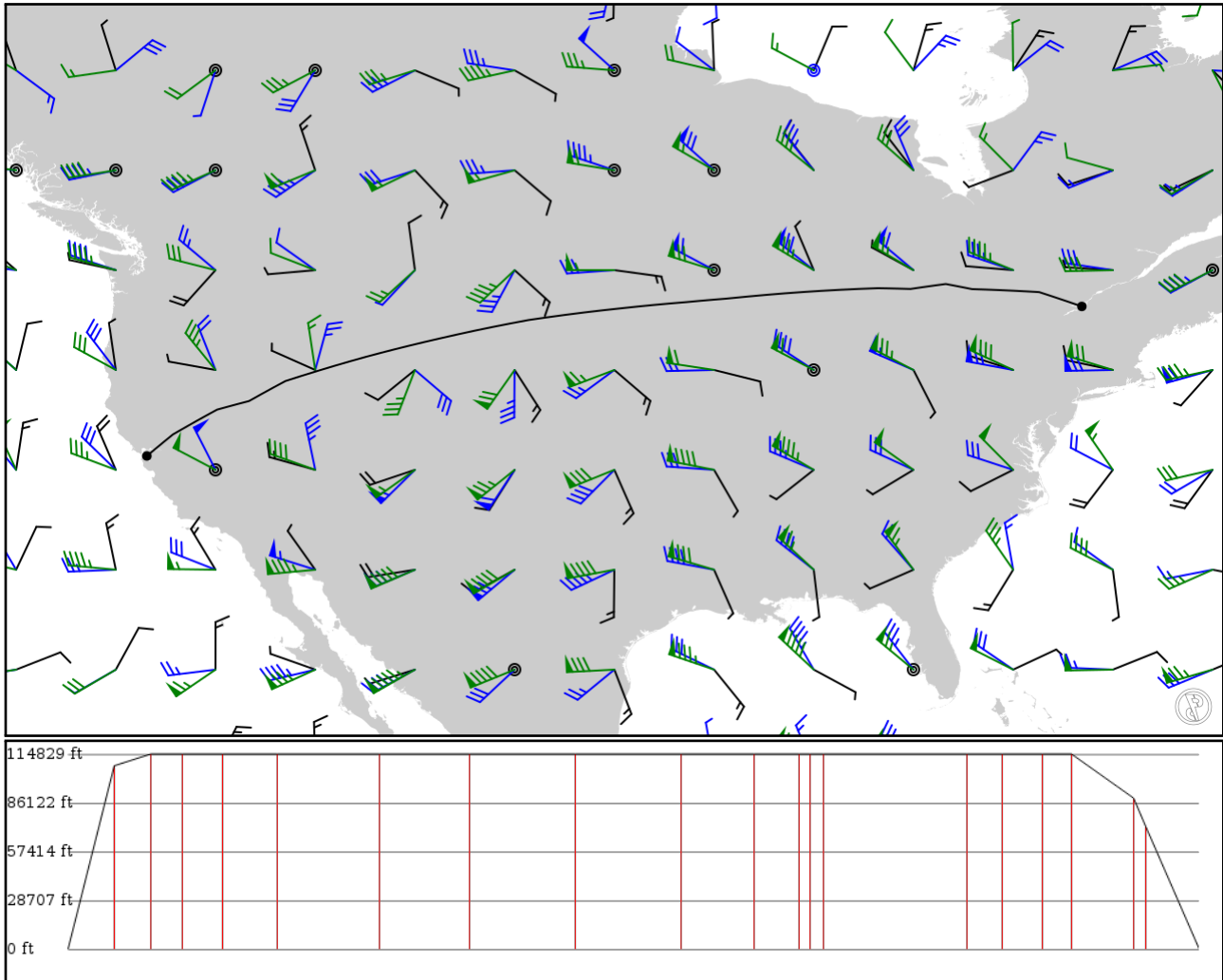
# CYUL

Montreal-Pierre Elliot Trudeau Intl

2024/06/02 0430Z

KOAK COLOM J32 BAM T331 PARZZ Q138 SSM V316 YYB V348 YMW CYUL

2212.11 nm / 4096.82 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
KOAK APT	-	37.72500 -122.22000	0 ft 0 m	-	Metro Oakland Intl
COLOM FIX	-	38.83900 -120.87000	32,900 ft 10,028 m	92	-
FMG VOR	J32 AWY-HI	39.53130 -119.65600	35,000 ft 10,668 m	70	MUSTANG (RENO)
LLC VOR	J32 AWY-HI	40.12530 -118.57800	35,000 ft 10,668 m	61	LOVELOCK
BAM VOR	J32 AWY-HI	40.56910 -116.92200	35,000 ft 10,668 m	80	BATTLE MOUNTAIN
PARZZ FIX	T331 AWY-LO	41.60410 -115.03600	35,000 ft 10,668 m	105	-
UROCO FIX	Q138 AWY-HI	42.86450 -110.84000	35,000 ft 10,668 m	201	-
RICCO FIX	Q138 AWY-HI	43.80810 -107.04200	35,000 ft 10,668 m	175	-
MOTLY FIX	Q138 AWY-HI	44.76400 -102.42900	35,000 ft 10,668 m	206	-
DKOTA FIX	Q138 AWY-HI	45.37140 -97.62420	35,000 ft 10,668 m	207	-
WELOK FIX	Q138 AWY-HI	45.69060 -94.25800	35,000 ft 10,668 m	142	-
CESNA FIX	Q138 AWY-HI	45.87060 -92.18310	35,000 ft 10,668 m	87	-
GUUME FIX	Q138 AWY-HI	45.91880 -91.68220	35,000 ft 10,668 m	21	-
SNARG FIX	Q138 AWY-HI	45.98110 -91.03780	35,000 ft 10,668 m	27	-
SSM VOR	Q138 AWY-HI	46.41210 -84.31490	35,000 ft 10,668 m	280	SAULT STE MARIE
YEL NDB	V316 AWY-LO	46.37200 -82.62870	35,000 ft 10,668 m	69	ELLIOT LAKE
YSB VOR	V316 AWY-LO	46.62910 -80.79820	35,000 ft 10,668 m	77	SUDBURY
YYB VOR	V316 AWY-LO	46.36390 -79.43640	35,000 ft 10,668 m	58	NORTH BAY
BOBRA FIX	V348 AWY-LO	46.24120 -76.53710	27,100 ft 8,260 m	120	-
YMW NDB	V348 AWY-LO	46.20760 -75.95630	22,000 ft 6,706 m	24	MANIWAKI
CYUL APT	-	45.46750 -73.74380	0 ft 0 m	102	Montreal-Pierre Elliot Trudeau Intl

## KOAK

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

Elevation: 8 ft / 2 m  
Location: 37.725000 -122.220000  
Magnetic Var: 12.834 E

## METAR

KOAK 020353Z 27015KT 10SM FEW009 SCT200 14/12 A2992 RMK A02 SLP132 T01440122

## TAF

TAF KOAK 012338Z 0200/0306 27015G25KT P6SM FEW012 FM020600 27010KT P6SM SKC WS015/30040KT FM021000 26008KT P6SM B

## 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	297.29		39 m	121 m
10R	150 ft	6,219 ft	112.25	ASPHALT	0 ft	774 ft
	46 m	1,896 m	99.42		0 m	236 m
28L	150 ft	6,219 ft	292.27	ASPHALT	0 ft	390 ft
	46 m	1,896 m	279.43		0 m	119 m
10L	150 ft	5,463 ft	112.24	ASPHALT	0 ft	390 ft
	46 m	1,665 m	99.41		0 m	119 m
28R	150 ft	5,463 ft	292.25	ASPHALT	0 ft	259 ft
	46 m	1,665 m	279.42		0 m	79 m
15	75 ft	3,379 ft	164.48	ASPHALT	0 ft	0 ft
	23 m	1,030 m	151.65		0 m	0 m
33	75 ft	3,379 ft	344.48	ASPHALT	0 ft	0 ft
	23 m	1,030 m	331.65		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	117.28		8 m
28R	LOC-ILS	IOAK	109.90 MHz	18 nm	292.25	-	8 ft
				33 km	279.42		8 m
30	LOC-ILS	IINB	108.70 MHz	18 nm	310.11	-	8 ft
				33 km	297.28		8 m
12	GS	IAAZ	111.90 MHz	10 nm	130.11	2.75	8 ft
				19 km	117.28		8 m
28R	GS	IOAK	109.90 MHz	10 nm	292.25	3.00	8 ft
				19 km	279.42		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	297.28		8 m

## CYUL

Region: CANADA  
Timezone: AMERICA/MONTREAL  
Runways: 3

Elevation: 118 ft / 36 m  
Location: 45.467500 -73.743800  
Magnetic Var: 13.893 W

## METAR

CYUL 020400Z 23008KT 15SM FEW250 20/11 A3003 RMK CI1 SLP172 DENSITY ALT 700FT

## TAF

TAF CYUL 020240Z 0203/0224 23008KT P6SM BKN250 FM021500 22008KT P6SM BKN180 BECMG 0222/0224 27008KT SCT160 RMK NX

## Frequencies

TWR - 119.90 MHz - MONTREAL TOWER	TWR - 119.30 MHz - MONTREAL TOWER
TWR - 124.30 MHz - MONTREAL TOWER	GND - 121.00 MHz - MONTREAL GROUND
GND - 121.90 MHz - MONTREAL GROUND	CLD - 125.60 MHz - CLEARANCE DELIVERY
APP - 132.85 MHz - MONTREAL APPROACH	APP - 126.90 MHz - MONTREAL APPROACH
DEP - 124.65 MHz - MONTREAL DEPARTURE	DEP - 120.42 MHz - MONTREAL DEPARTURE
REC - 133.70 MHz - ATIS	REC - 127.50 MHz - ATIS
COM - 123.55 MHz - QUEBEC FIC	COM - 126.70 MHz - QUEBEC FIC
COM - 134.15 MHz - VFR ADVISORY	

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
06L	197 ft	11,010 ft	42.55	ASPHALT	0 ft	0 ft
	60 m	3,356 m	56.44		0 m	0 m
24R	197 ft	11,010 ft	222.57	ASPHALT	0 ft	0 ft
	60 m	3,356 m	236.46		0 m	0 m
06R	197 ft	9,608 ft	42.59	CONCRETE	0 ft	0 ft
	60 m	2,929 m	56.48		0 m	0 m
24L	197 ft	9,608 ft	222.60	CONCRETE	0 ft	0 ft
	60 m	2,929 m	236.50		0 m	0 m
10	197 ft	7,008 ft	87.61	ASPHALT	0 ft	0 ft
	60 m	2,136 m	101.50		0 m	0 m
28	197 ft	7,008 ft	267.63	ASPHALT	0 ft	0 ft
	60 m	2,136 m	281.52		0 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
06L	LOC-ILS	IUL	109.30 MHz	18 nm	42.57	-	118 ft
				33 km	56.46		118 m
06R	LOC-ILS	IOA	110.50 MHz	18 nm	42.60	-	118 ft
				33 km	56.49		118 m
10	LOC-ILS	IDO	110.10 MHz	18 nm	87.62	-	118 ft
				33 km	101.51		118 m
24L	LOC-ILS	IMQ	110.50 MHz	18 nm	222.60	-	118 ft
				33 km	236.49		118 m
24R	LOC-ILS	IZZ	111.90 MHz	18 nm	222.57	-	118 ft
				33 km	236.46		118 m
06L	GS	IUL	109.30 MHz	10 nm	42.57	3.00	118 ft
				19 km	56.46		118 m
06R	GS	IOA	110.50 MHz	10 nm	42.60	3.00	118 ft
				19 km	56.49		118 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
10	GS	IDO	110.10 MHz	10 nm	87.62	3.00	118 ft
				19 km	101.51		118 m
24L	GS	IMQ	110.50 MHz	10 nm	222.60	3.00	118 ft
				19 km	236.49		118 m
24R	GS	IZZ	111.90 MHz	10 nm	222.57	3.00	118 ft
				19 km	236.46		118 m