

# CYUL

Montreal-Pierre Elliot Trudeau

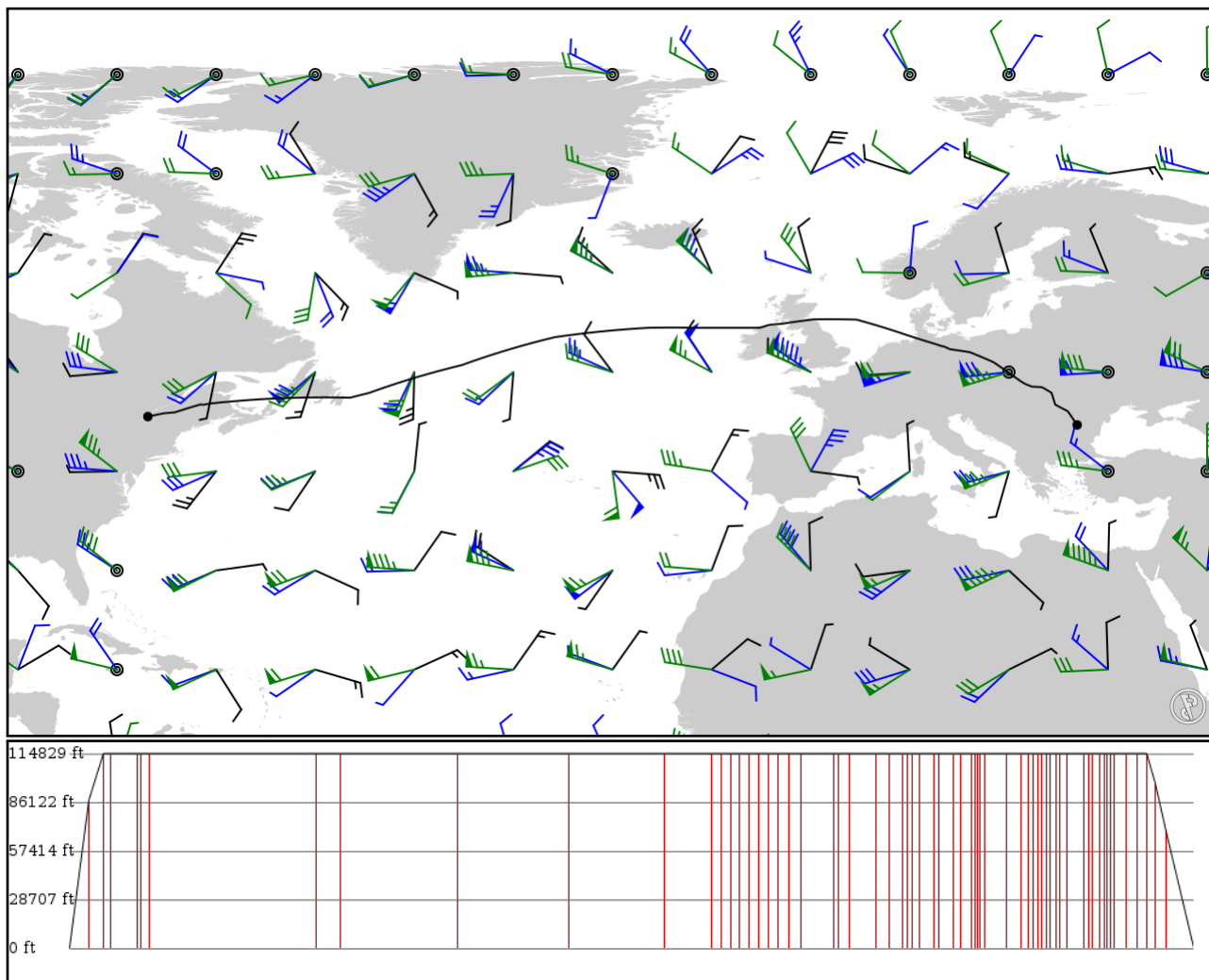
# LROP

Bucharest Henri Coanda

2024/06/04 0504Z

CYUL VIKBU **V352** VLV VLV **V400** PQI IMAMA **Q907** MIILS **N211E** NICSO R 48/50 S NETKI 5500N0-1300W  
5500N0-1200W 5500N0-1100W 5500N0-1000W 5500N0-900W 5500N0-800W RUBEX **N552** MAC **UN562** SAB **L983**  
CUTEL **UL619** VALBO **L619** SUTEB **UL619** PITEN **Z998** RATMO **Z997** SUBIX **T710** LOLKA **R232** KSC **W425** RUMUK  
**M977** REBLA **L620** SOBSA LROP

4122.74 nm / 7635.31 km



## Notes

Using NAT tracks from 10/7/2019

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
CYUL APT	-	45.46750 -73.74380	0 ft 0 m	-	Montreal-Pierre Elliot Trudeau
VIKBU FIX	-	45.81720 -72.04170	26,600 ft 8,108 m	74	-
VLV VOR	V352 AWY-LO	45.92510 -70.84600	35,000 ft 10,668 m	50	BEAUCE
VLV DME	-	45.92500 -70.84590	35,000 ft 10,668 m	0	BEAUCE VOR-DME
DCLNK FIX	V400 AWY-LO	46.11660 -70.25100	35,000 ft 10,668 m	27	-
EIKMN FIX	V400 AWY-LO	46.11900 -70.24310	35,000 ft 10,668 m	0	-
PQI VOR	V400 AWY-LO	46.77420 -68.09450	35,000 ft 10,668 m	97	PRESQUE ISLE
IMAMA FIX	-	46.73830 -67.77750	35,000 ft 10,668 m	13	-
MIILS FIX	Q907 AWY-HI	46.87360 -67.04830	35,000 ft 10,668 m	31	-
NICSO FIX	N211E AWY-HI	47.50000 -52.00000	35,000 ft 10,668 m	614	-
48/50 LATLON	R NAT	48.00000 -50.00000	35,000 ft 10,668 m	86	-
51/40 LATLON	S NAT	51.00000 -40.00000	35,000 ft 10,668 m	429	-
54/30 LATLON	S NAT	54.00000 -30.00000	35,000 ft 10,668 m	407	-
55/20 LATLON	S NAT	55.00000 -20.00000	35,000 ft 10,668 m	353	-
RESNO FIX	S NAT	55.00000 -15.00000	35,000 ft 10,668 m	172	-
NETKI FIX	S NAT	55.00000 -14.00000	35,000 ft 10,668 m	34	-
5500N0-1300W LATLON	- -	55.00000 -13.00000	35,000 ft 10,668 m	34	-
5500N0-1200W LATLON	- -	55.00000 -12.00000	35,000 ft 10,668 m	34	-
5500N0-1100W LATLON	- -	55.00000 -11.00000	35,000 ft 10,668 m	34	-
5500N0-1000W LATLON	- -	55.00000 -10.00000	35,000 ft 10,668 m	34	-
5500N0-900W LATLON	- -	55.00000 -9.00000	35,000 ft 10,668 m	34	-
5500N0-800W LATLON	- -	55.00000 -8.00000	35,000 ft 10,668 m	34	-
RUBEX FIX	- -	55.32000 -6.93528	35,000 ft 10,668 m	41	-
MAC VOR	N552 AWY-HI	55.43000 -5.65041	35,000 ft 10,668 m	44	MACHRIHANISH
SAB VOR	UN562 AWY-HI	55.90750 -2.20634	35,000 ft 10,668 m	120	SAINT ABBS
MADAD FIX	L983 AWY-HI	55.91310 -1.73389	35,000 ft 10,668 m	15	-
GOMOT	L983	55.91940	35,000 ft	40	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-0.54417	10,668 m		
CUTEL	L983	55.88580	35,000 ft	98	-
FIX	AWY-HI	2.37444	10,668 m		
AVRAL	UL619	55.50940	35,000 ft	50	-
FIX	AWY-HI	3.71639	10,668 m		
VALBO	UL619	55.12890	35,000 ft	49	-
FIX	AWY-HI	5.00000	10,668 m		
SUTEB	L619	55.00000	35,000 ft	16	-
FIX	AWY-HI	5.41882	10,668 m		
ABLUN	UL619	54.85080	35,000 ft	18	-
FIX	AWY-HI	5.89509	10,668 m		
GOMKU	UL619	54.65690	35,000 ft	23	-
FIX	AWY-HI	6.50000	10,668 m		
DHE	UL619	54.18570	35,000 ft	56	HELGOLAND
VOR	AWY-HI	7.91070	10,668 m		
GOLEN	UL619	54.05970	35,000 ft	16	-
FIX	AWY-HI	8.32083	10,668 m		
LBV	UL619	53.65250	35,000 ft	50	-
FIX	AWY-HI	9.57944	10,668 m		
AMLUH	UL619	53.42900	35,000 ft	29	-
FIX	AWY-HI	10.32250	10,668 m		
BUMIL	UL619	53.12000	35,000 ft	39	-
FIX	AWY-HI	11.28610	10,668 m		
BKD	UL619	53.03450	35,000 ft	10	BRUENKENDORF
VOR	AWY-HI	11.54620	10,668 m		
PITEN	UL619	52.99000	35,000 ft	9	-
FIX	AWY-HI	11.81140	10,668 m		
BIRMO	Z998	52.87220	35,000 ft	11	-
FIX	AWY-HI	12.06860	10,668 m		
RATMO	Z998	52.70530	35,000 ft	16	-
FIX	AWY-HI	12.42970	10,668 m		
SUBIX	Z997	52.37970	35,000 ft	81	-
FIX	AWY-HI	14.58560	10,668 m		
OLUMA	T710	51.89670	35,000 ft	51	-
FIX	AWY-HI	15.75610	10,668 m		
KULUV	T710	51.64780	35,000 ft	26	-
FIX	AWY-HI	16.33920	10,668 m		
VELAB	T710	51.46970	35,000 ft	18	-
FIX	AWY-HI	16.74890	10,668 m		
VAGON	T710	51.30810	35,000 ft	16	-
FIX	AWY-HI	17.11440	10,668 m		
NUDRO	T710	51.16530	35,000 ft	11	-
FIX	AWY-HI	17.32560	10,668 m		
APTAS	T710	50.91140	35,000 ft	20	-
FIX	AWY-HI	17.69580	10,668 m		
SABAB	T710	50.77030	35,000 ft	11	-
FIX	AWY-HI	17.89920	10,668 m		
MAPIK	T710	50.52610	35,000 ft	19	-
FIX	AWY-HI	18.24750	10,668 m		
ORSOX	T710	50.31970	35,000 ft	16	-
FIX	AWY-HI	18.53720	10,668 m		
IBEKA	T710	50.02780	35,000 ft	23	-
FIX	AWY-HI	18.94170	10,668 m		
LOLKA	T710	49.22000	35,000 ft	66	-
FIX	AWY-HI	20.10000	10,668 m		
PPD	R232	49.06470	35,000 ft	13	TATRY

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
VOR	AWY-LO	20.35010	10,668 m		
MARKA	R232	48.90220	35,000 ft	16	-
FIX	AWY-LO	20.69360	10,668 m		
KSC	R232	48.68310	35,000 ft	25	KOSICE
VOR	AWY-LO	21.24820	10,668 m		
EVULA	W425	48.66420	35,000 ft	16	-
FIX	AWY-LO	21.66280	10,668 m		
BIDLI	W425	48.65000	35,000 ft	11	-
FIX	AWY-LO	21.94920	10,668 m		
LASOT	W425	48.63470	35,000 ft	11	-
FIX	AWY-LO	22.24580	10,668 m		
SR	W425	48.52110	35,000 ft	12	SEREDNIE
NDB	AWY-LO	22.50890	10,668 m		
RUMUK	W425	48.02670	35,000 ft	44	-
FIX	AWY-LO	23.34330	10,668 m		
VAMES	M977	47.34670	35,000 ft	41	-
FIX	AWY-HI	23.56110	10,668 m		
REBLA	M977	46.76000	35,000 ft	36	-
FIX	AWY-HI	23.74470	10,668 m		
TGM	L620	46.44690	29,700 ft	29	TARGU MURES
NDB	AWY-HI	24.30660	9,053 m		
SOBSA	L620	46.04810	21,000 ft	40	-
FIX	AWY-HI	25.08720	6,401 m		
LROP	-	44.57230	0 ft	98	Bucharest Henri Coanda
APT	-	26.10230	0 m		

## CYUL

Region: CANADA  
Timezone: AMERICA/MONTREAL  
Runways: 3

Elevation: 118 ft / 36 m  
Location: 45.467500 -73.743800  
Magnetic Var: 13.892 W

## METAR

CYUL 040400Z 00000KT 15SM SKC 22/10 A2992 RMK SLP134 DENSITY ALT 1000FT

## TAF

TAF CYUL 040240Z 0403/0424 VRB03KT P6SM FEW150 BECMG 0407/0409 03008KT BECMG 0415/0417 20008KT FM042100 20008KT P

## 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

## LROP

Region: ROMANIA  
Timezone: EUROPE/BUCHAREST  
Runways: 2

Elevation: 313 ft / 95 m  
Location: 44.572300 26.102300  
Magnetic Var: 6.298 E

## METAR

LROP 040430Z 03006KT 9000 FEW050CB 19/19 Q1011 WS R08R NOSIG

## TAF

TAF AMD LROP 040326Z 0403/0500 06006KT CAVOK TEMPO 0403/0405 5000 TSRA BKN005 SCT025CB PROB40 TEMPO 0411/0414 VRB

## Frequencies

REC - 118.50 MHz - OTOPENI ATIS  
TWR - 121.85 MHz - OTOPENI TWR

GND - 121.70 MHz - OTOPENI GND  
APP - 118.25 MHz - BUCHAREST APP

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
08R	148 ft	11,494 ft	83.90	ASPHALT	0 ft	0 ft
	45 m	3,503 m	77.60		0 m	0 m
26L	148 ft	11,494 ft	263.93	ASPHALT	0 ft	0 ft
	45 m	3,503 m	257.63		0 m	0 m
08L	148 ft	11,493 ft	83.91	ASPHALT	0 ft	0 ft
	45 m	3,503 m	77.61		0 m	0 m
26R	148 ft	11,493 ft	263.94	ASPHALT	0 ft	0 ft
	45 m	3,503 m	257.64		0 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
08L	DME	ILL	110.90 MHz	18 nm	-	-	400 ft
				33 km	-		400 m
08R	DME	IOP	110.30 MHz	18 nm	-	-	400 ft
				33 km	-		400 m
26L	DME	IOE	109.10 MHz	18 nm	-	-	314 ft
				33 km	-		314 m
26R	DME	IRR	110.70 MHz	18 nm	-	-	400 ft
				33 km	-		400 m
08L	LOC-ILS	ILL	110.90 MHz	18 nm	83.74	-	314 ft
				33 km	77.44		314 m
08R	LOC-ILS	IOP	110.30 MHz	18 nm	83.74	-	303 ft
				33 km	77.44		303 m
26L	LOC-ILS	IOE	109.10 MHz	18 nm	264.11	-	314 ft
				33 km	257.81		314 m
26R	LOC-ILS	IRR	110.70 MHz	18 nm	264.12	-	314 ft
				33 km	257.82		314 m
08L	GS	ILL	110.90 MHz	10 nm	84.84	3.00	314 ft
				19 km	78.54		314 m
08R	GS	IOP	110.30 MHz	10 nm	84.81	2.70	314 ft
				19 km	78.51		314 m
26L	GS	IOE	109.10 MHz	10 nm	264.81	2.70	303 ft
				19 km	258.51		303 m
26R	GS	IRR	110.70 MHz	10 nm	264.84	3.00	314 ft
				19 km	258.54		314 m