

# EDDM

Muenchen Franz-Josef Strauss

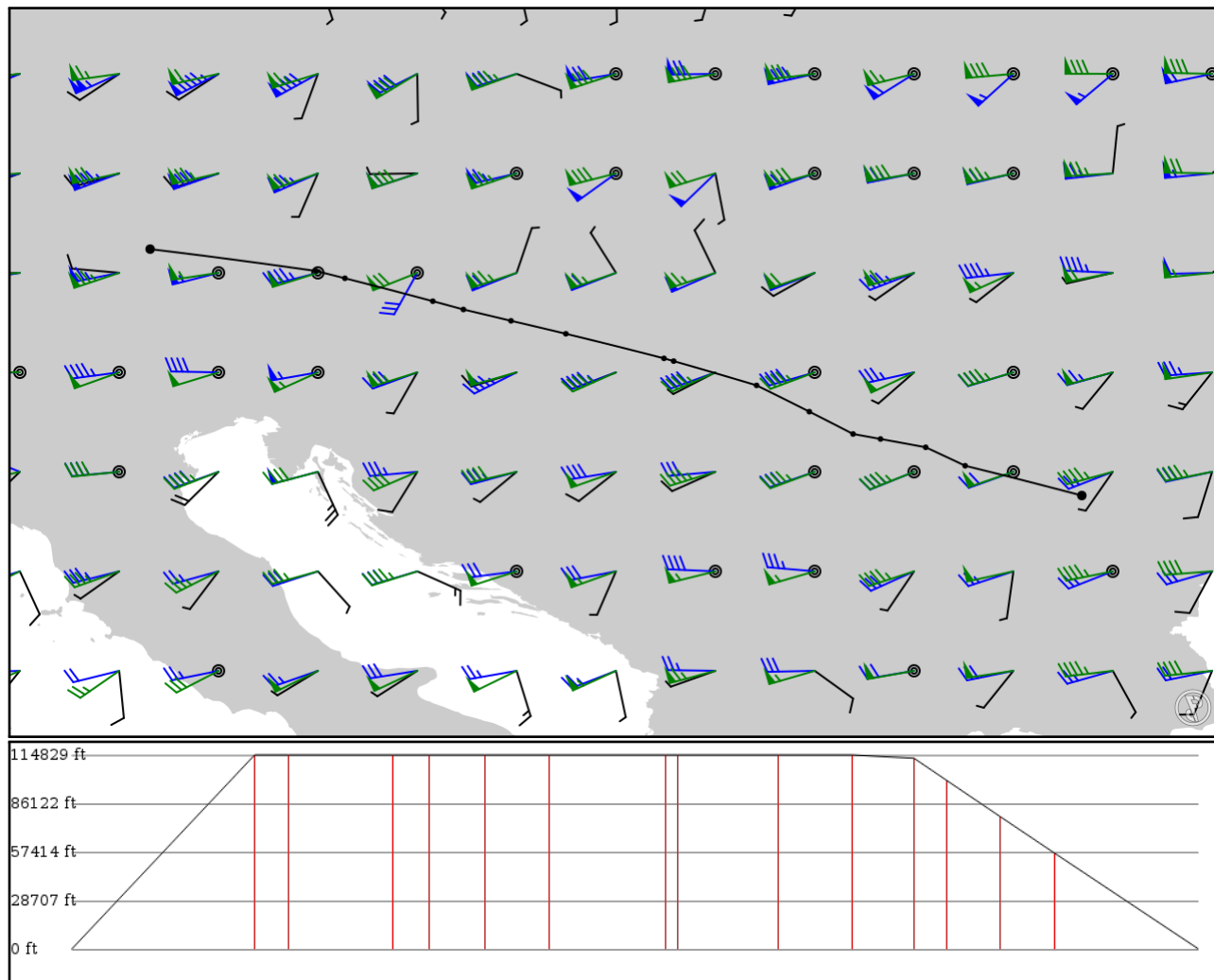
# LROP

Bucarest Otopeni Intl

2024/05/12 1945Z

EDDM ALMER **L605** TEGRI **UL605** NEKUL **T85** NERDI **L602** SUROL LROP

637.04 nm / 1179.79 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
EDDM	-	48.35379	0 ft	-	Muenchen Franz-Josef Strauss
APT	-	11.78612	0 m		
ALMER	-	48.01850	35,000 ft	103	-
FIX	-	14.33218	10,668 m		
GAMLI	L605	47.90667	35,000 ft	19	-
FIX	AWY-LO	14.77889	10,668 m		
DIVAL	L605	47.55491	35,000 ft	58	-
FIX	AWY-LO	16.12964	10,668 m		
STEIN	L605	47.42750	35,000 ft	20	-
FIX	AWY-LO	16.59972	10,668 m		
SIRDU	L605	47.25383	35,000 ft	31	-
FIX	AWY-LO	17.33093	10,668 m		
GITAS	L605	47.05479	35,000 ft	36	-
FIX	AWY-LO	18.17415	10,668 m		
BUG	L605	46.67765	35,000 ft	65	BUGAC VOR-DME
VOR	AWY-LO	19.68173	10,668 m		
BOKSI	L605	46.63531	35,000 ft	6	-
FIX	AWY-LO	19.83076	10,668 m		
TEGRI	L605	46.26279	35,000 ft	57	-
FIX	AWY-LO	21.10454	10,668 m		
PERUT	UL605	45.85966	35,000 ft	41	-
FIX	AWY-HI	21.91520	10,668 m		
NEKUL	UL605	45.51679	34,400 ft	34	-
FIX	AWY-HI	22.58677	10,485 m		
UBITA	T85	45.43993	30,400 ft	18	-
FIX	AWY-LO	23.00881	9,266 m		
NERDI	T85	45.31269	23,900 ft	30	-
FIX	AWY-LO	23.70313	7,285 m		
SUROL	L602	45.02944	17,300 ft	30	-
FIX	AWY-LO	24.30943	5,273 m		
LROP	-	44.57216	0 ft	81	Bucarest Otopeni Intl
APT	-	26.10218	0 m		

## EDDM

Region: GERMANY - CIVIL  
Timezone: EUROPE/BERLIN  
Runways: 2

Elevation: 1,484 ft / 452 m  
Location: 48.353800 11.786100  
Magnetic Var: 3.941 E

## METAR

EDDM 121920Z AUTO 08006KT CAVOK 17/08 Q1016 NOSIG

## TAF

TAF EDDM 121700Z 1218/1324 08005KT CAVOK BECMG 1300/1302 VRB02KT PROB30 TEMPO 1302/1305 1200 BCFG BECMG 1310/1312

## Frequencies

REC - 123.12 MHz - MUENCHEN ATIS	COM - 122.80 MHz - MUENCHEN UNICOM
CLD - 121.72 MHz - MUENCHEN DELIVERY	GND - 121.97 MHz - MUENCHEN GROUND NORTH
GND - 121.82 MHz - MUENCHEN GROUND SOUTH	GND - 121.77 MHz - MUENCHEN APRON 1
GND - 121.70 MHz - MUENCHEN APRON 2	GND - 121.92 MHz - MUENCHEN APRON 3
TWR - 120.50 MHz - MUENCHEN TOWER SOUTH	TWR - 118.70 MHz - MUENCHEN TOWER NORTH
APP - 123.90 MHz - MUENCHEN RADAR NORTH	APP - 127.95 MHz - MUENCHEN RADAR SOUTH
APP - 128.25 MHz - MUENCHEN ARRIVAL NORTH	APP - 120.77 MHz - MUENCHEN ARRIVAL SOUTH
APP - 118.82 MHz - MUENCHEN DIRECTOR NORTH	APP - 132.30 MHz - MUENCHEN DIRECTOR SOUTH

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
08L	197 ft	13,135 ft	83.39	CONCRETE	0 ft	0 ft
	60 m	4,004 m	79.45		0 m	0 m
26R	197 ft	13,135 ft	263.43	CONCRETE	0 ft	0 ft
	60 m	4,004 m	259.49		0 m	0 m
08R	197 ft	13,135 ft	83.37	CONCRETE	0 ft	0 ft
	60 m	4,004 m	79.43		0 m	0 m
26L	197 ft	13,135 ft	263.41	CONCRETE	0 ft	0 ft
	60 m	4,004 m	259.47		0 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
08L	LOC-ILS	IMNE	109.50 MHz	18 nm	83.41	-	1,484 ft
				33 km	79.47		1,484 m
08R	LOC-ILS	IMSE	109.30 MHz	18 nm	83.39	-	1,484 ft
				33 km	79.45		1,484 m
26L	LOC-ILS	IMSW	108.30 MHz	18 nm	263.39	-	1,484 ft
				33 km	259.45		1,484 m
26R	LOC-ILS	IMNW	108.70 MHz	18 nm	263.41	-	1,484 ft
				33 km	259.47		1,484 m
08L	GS	IMNE	109.50 MHz	10 nm	83.41	3.00	1,484 ft
				19 km	79.47		1,484 m
08R	GS	IMSE	109.30 MHz	10 nm	83.39	3.00	1,484 ft
				19 km	79.45		1,484 m
26L	GS	IMSW	108.30 MHz	10 nm	263.39	3.00	1,484 ft
				19 km	259.45		1,484 m
26R	GS	IMNW	108.70 MHz	10 nm	263.41	3.00	1,484 ft
				19 km	259.47		1,484 m

## LROP

Region: ROMANIA  
Timezone: EUROPE/BUCHAREST  
Runways: 2

Elevation: 313 ft / 95 m  
Location: 44.572300 26.102300  
Magnetic Var: 6.291 E

## METAR

LROP 121930Z 04008KT 9999 -RA NSC 11/08 Q1019 NOSIG

## TAF

TAF LROP 121700Z 1218/1318 02012KT 9999 SCT050CB TEMPO 1218/1220 5000 -SHRA BECMG 1220/1222 VRB04KT 5000 BR BKN010

## 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	77.61		0 m	0 m
26L	148 ft	11,494 ft	263.93	ASPHALT	0 ft	0 ft
	45 m	3,503 m	257.64		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	257.65		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	77.45		314 m
08R	LOC-ILS	IOP	110.30 MHz	18 nm	83.74	-	303 ft
				33 km	77.45		303 m
26L	LOC-ILS	IOE	109.10 MHz	18 nm	264.11	-	314 ft
				33 km	257.82		314 m
26R	LOC-ILS	IRR	110.70 MHz	18 nm	264.12	-	314 ft
				33 km	257.83		314 m
08L	GS	ILL	110.90 MHz	10 nm	84.84	3.00	314 ft
				19 km	78.55		314 m
08R	GS	IOP	110.30 MHz	10 nm	84.81	2.70	314 ft
				19 km	78.52		314 m
26L	GS	IOE	109.10 MHz	10 nm	264.81	2.70	303 ft
				19 km	258.52		303 m
26R	GS	IRR	110.70 MHz	10 nm	264.84	3.00	314 ft
				19 km	258.55		314 m