

# EDDM

Muenchen Franz-Josef Strauss

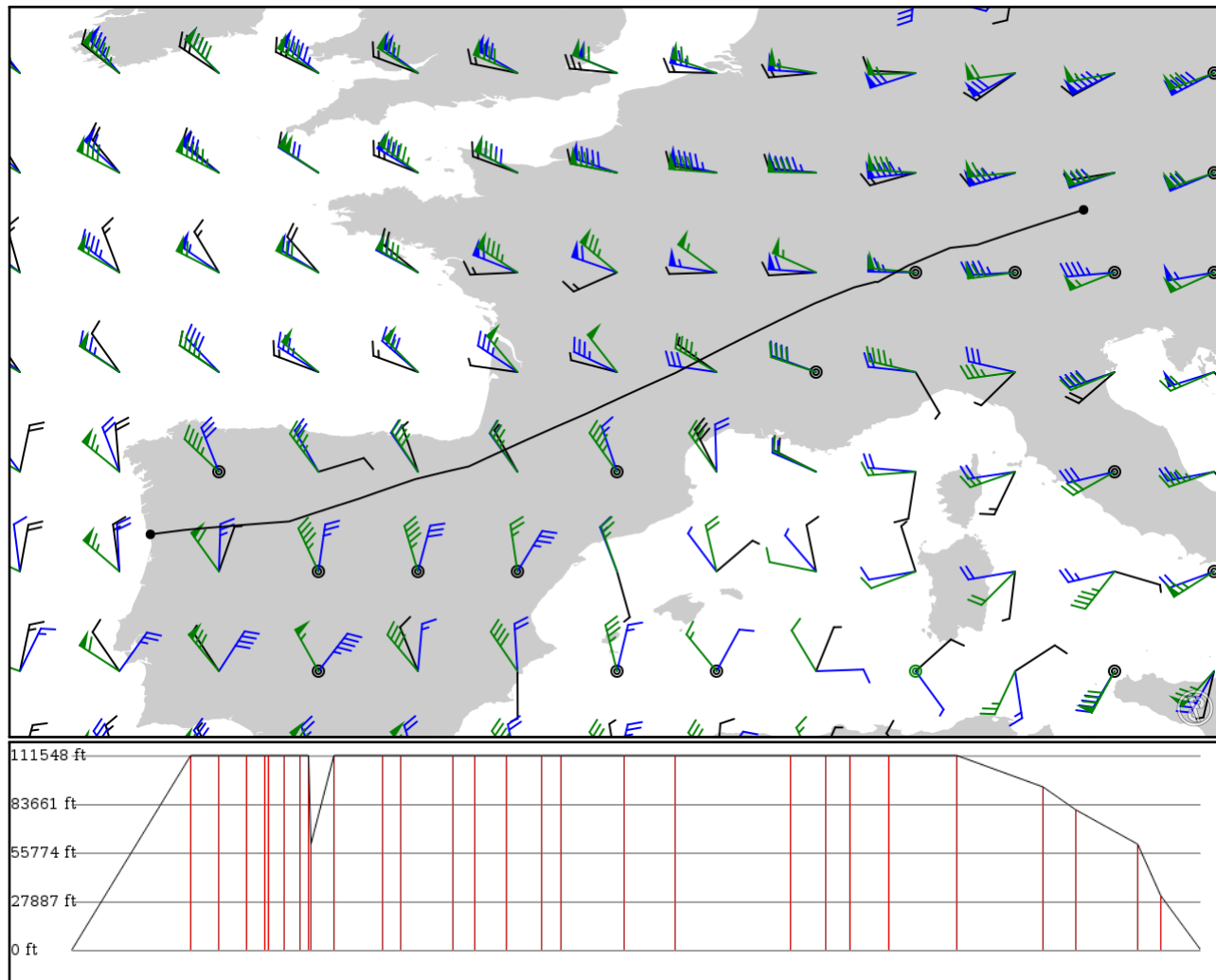
# LPPR

Porto

2024/05/09 1233Z

EDDM **BODAN T102** KUDS **UN871** TELNO **W112** FRI **Z60** VADAR **UZ669** MILPA **UN869** OLRAK **UQ169** AGN **UL866** PPN  
**UN976** ZMR **UL155** CANAR **A43** IBERO LPPR

989.83 nm / 1833.16 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		
BODAN	-	47.58750	34,000 ft	104	-
FIX	-	9.45139	10,363 m		
KUDES	T102	47.52083	34,000 ft	24	-
FIX	AWY-HI	8.85722	10,363 m		
DITON	UN871	47.30222	34,000 ft	25	-
FIX	AWY-HI	8.33333	10,363 m		
SUREP	UN871	47.16528	34,000 ft	15	-
FIX	AWY-HI	8.01083	10,363 m		
BERSU	UN871	47.13556	34,000 ft	3	-
FIX	AWY-HI	7.94139	10,363 m		
KONOL	UN871	46.99528	34,000 ft	13	-
FIX	AWY-HI	7.68083	10,363 m		
KORED	UN871	46.85056	34,000 ft	13	-
FIX	AWY-HI	7.41417	10,363 m		
TELNO	UN871	46.77194	34,000 ft	7	-
FIX	AWY-HI	7.27083	10,363 m		
FRI	W112	46.77758	18,500 ft	1	FRIBOURG VOR-DME
VOR	AWY-LO	7.22350	5,639 m		
VADAR	Z60	46.65722	34,000 ft	20	-
FIX	AWY-HI	6.75361	10,363 m		
MILPA	UZ669	46.30250	34,000 ft	41	-
FIX	AWY-HI	5.87972	10,363 m		
NINTU	UN869	46.14722	34,000 ft	16	-
FIX	AWY-HI	5.55306	10,363 m		
MEBAK	UN869	45.70806	34,000 ft	46	-
FIX	AWY-HI	4.64889	10,363 m		
REPSI	UN869	45.52250	34,000 ft	19	-
FIX	AWY-HI	4.27528	10,363 m		
LERGA	UN869	45.25722	34,000 ft	27	-
FIX	AWY-HI	3.75028	10,363 m		
MOKDI	UN869	44.95694	34,000 ft	30	-
FIX	AWY-HI	3.16694	10,363 m		
OLRAK	UN869	44.78444	34,000 ft	17	-
FIX	AWY-HI	2.83722	10,363 m		
NARAK	UQ169	44.29528	34,000 ft	55	-
FIX	AWY-HI	1.74889	10,363 m		
AGN	UQ169	43.88803	34,000 ft	45	AGEN-Gaudonville VOR-DME
VOR	AWY-HI	0.87286	10,363 m		
PIPOR	UL866	43.00905	34,000 ft	101	-
FIX	AWY-HI	-1.10810	10,363 m		
PPN	UL866	42.73375	34,000 ft	30	PAMPLONA VOR-DME
VOR	AWY-HI	-1.70200	10,363 m		
MIRPO	UN976	42.63112	34,000 ft	20	-
FIX	AWY-HI	-2.15539	10,363 m		
DGO	UN976	42.45331	34,000 ft	33	DOMINGO VOR-DME
VOR	AWY-HI	-2.88071	10,363 m		
NEA	UN976	42.02761	34,000 ft	60	TABANERA VOR-DME
VOR	AWY-HI	-4.10913	10,363 m		
ZMR	UN976	41.53018	28,500 ft	74	ZAMORA VOR-DME
VOR	AWY-HI	-5.63970	8,687 m		
ADORO	UL155	41.48301	24,500 ft	28	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-6.28000	7,468 m		
CANAR	UL155	41.38571	18,500 ft	53	-
FIX	AWY-HI	-7.46976	5,639 m		
IBERO	A43	41.34556	9,500 ft	20	-
FIX	AWY-LO	-7.91972	2,896 m		
LPPR	-	41.24793	0 ft	34	Porto
APT	-	-8.68122	0 m		

## EDDM

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

Elevation: 1,484 ft / 452 m  
Location: 48.353800 11.786100  
Magnetic Var: 3.940 E

## METAR

EDDM 091220Z AUTO 10005KT 350V150 CAVOK 16/09 Q1025 NOSIG

## TAF

TAF EDDM 091100Z 0912/1018 04007KT 9999 SCT030 OVC045 BECMG 0919/0920 VRB02KT TEMPO 1002/1007 2000 BCFG PROB30 TEM

## 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

## LPPR

Region: PORTUGAL  
Timezone: EUROPE/LISBON  
Runways: 1

Elevation: 227 ft / 69 m  
Location: 41.247900 -8.681220  
Magnetic Var: 1.514 W

## METAR

LPPR 091200Z 14006KT 100V170 CAVOK 26/13 Q1015

## TAF

TAF LPPR 091100Z 0912/1012 12008KT CAVOK BECMG 0912/0915 30008KT BECMG 0919/0921 VRB02KT BECMG 1000/1002 11008KT

## Frequencies

REC - 124.30 MHz - PORTO ATIS  
APP - 121.10 MHz - PORTO APPROACH

TWR - 118.00 MHz - PORTO TOWER

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
17	148 ft	11,428 ft	168.84	ASPHALT	978 ft	0 ft
	45 m	3,483 m	170.36		298 m	0 m
35	148 ft	11,428 ft	348.85	ASPHALT	492 ft	0 ft
	45 m	3,483 m	350.36		150 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
17	DME	PR	109.90 MHz	18 nm	-	-	228 ft
				33 km	-		228 m
17	LOC-ILS	PR	109.90 MHz	18 nm	168.87	-	228 ft
				33 km	170.38		228 m
17	GS	PR	109.90 MHz	10 nm	169.77	2.72	228 ft
				19 km	171.28		228 m