

# EDDM

Muenchen International Airport Franz-Josef Strauss

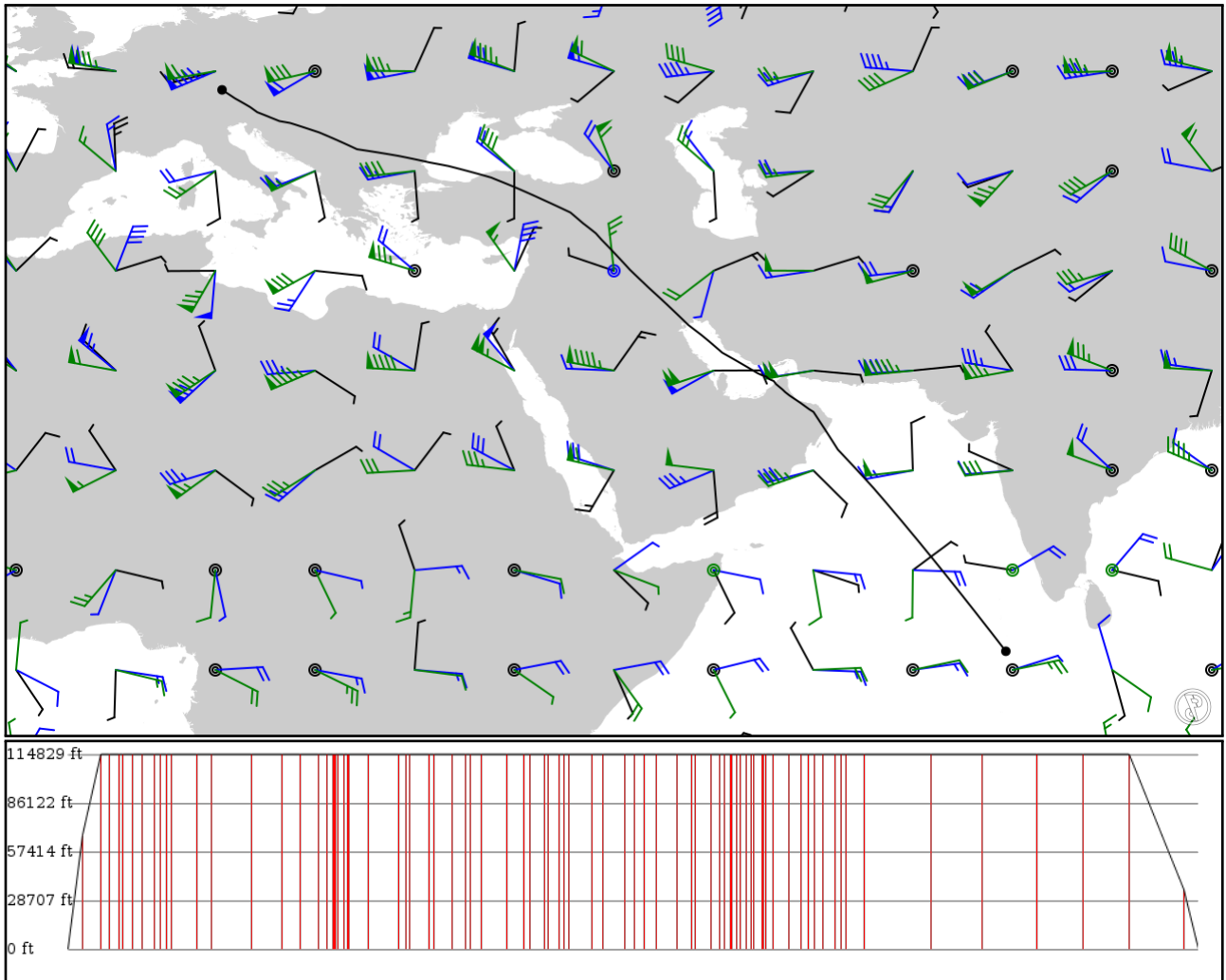
# VRMM

Velana International

2024/05/16 0618Z

EDDM LATLO 4700N01400E KFT VALLU PODET **L603** ZAG **P735** VBA **M19** ETIDA **Q27** ARTAT **UP975** NOLDO **P975**  
SIDAD **R784** IMDAT **B416** ORSAR **R784** TATLA **L223** TARDI **N629** GIDAN **P570** KITAL **L894** LELEM VRMM

4162.99 nm / 7709.85 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 APT	-	48.35380 11.78610	0 ft 0 m	-	Muenchen International Airport Franz-Josef Strauss
LATLO FIX	-	47.68390 12.80670	20,500 ft 6,248 m	57	-
4700N01400E LATLON	-	47.00000 14.00000	35,000 ft 10,668 m	63	-
KFT VOR	-	46.59760 14.56230	35,000 ft 10,668 m	33	KLAGENFURT
VALLU FIX	-	46.29160 15.33630	35,000 ft 10,668 m	36	-
PODET FIX	-	46.17140 15.62680	35,000 ft 10,668 m	14	-
ZAG VOR	L603 AWY-LO	45.89560 16.30670	35,000 ft 10,668 m	32	ZAGREB
VBA VOR	P735 AWY-LO	45.74780 17.14670	35,000 ft 10,668 m	36	BARNA
NASSY FIX	M19 AWY-LO	45.44670 18.09970	35,000 ft 10,668 m	43	-
ADULA FIX	M19 AWY-LO	45.27060 18.64190	35,000 ft 10,668 m	25	-
TUVAR FIX	M19 AWY-LO	45.12670 19.07750	35,000 ft 10,668 m	20	-
SMI VOR	M19 AWY-LO	45.00950 19.43080	35,000 ft 10,668 m	16	MITROVICA
OKLOP FIX	M19 AWY-LO	44.18320 21.33160	35,000 ft 10,668 m	95	-
ETIDA FIX	M19 AWY-LO	43.68580 22.41780	35,000 ft 10,668 m	55	-
GRN VOR	Q27 AWY-HI	43.15320 25.71180	35,000 ft 10,668 m	147	GORNA
XILTI FIX	Q27 AWY-HI	42.64310 28.13720	35,000 ft 10,668 m	111	-
ARTAT FIX	Q27 AWY-HI	42.36390 29.62420	35,000 ft 10,668 m	67	-
ERMUP FIX	UP975 AWY-HI	42.00060 31.02280	35,000 ft 10,668 m	65	-
ROKVA FIX	UP975 AWY-HI	41.82920 31.65720	35,000 ft 10,668 m	30	-
UNVUS FIX	UP975 AWY-HI	41.69500 32.14140	35,000 ft 10,668 m	23	-
ASMOB FIX	UP975 AWY-HI	41.66940 32.23280	35,000 ft 10,668 m	4	-
RELTU FIX	UP975 AWY-HI	41.64420 32.32330	35,000 ft 10,668 m	4	-
APTOX FIX	UP975 AWY-HI	41.59310 32.50420	35,000 ft 10,668 m	8	-
TEPKI FIX	UP975 AWY-HI	41.45330 32.99280	35,000 ft 10,668 m	23	-
PIPUR FIX	UP975 AWY-HI	41.35110 33.23890	35,000 ft 10,668 m	12	-
ORMAN FIX	UP975 AWY-HI	41.29190 33.38590	35,000 ft 10,668 m	7	-
ERGUN	UP975	40.74640	35,000 ft	69	-

Ident Type	Via		Lat Lon	Alt		Dist (nm)	Name
FIX	AWY-HI	34.73890	10,668 m				
SIV	UP975	39.78970	35,000 ft	114	SIVAS		
VOR	AWY-HI	36.89340	10,668 m				
NUNTU	UP975	39.57970	35,000 ft	24	-		
FIX	AWY-HI	37.35970	10,668 m				
VEVEN	UP975	39.45280	35,000 ft	14	-		
FIX	AWY-HI	37.63830	10,668 m				
ARPUT	UP975	38.84220	35,000 ft	70	-		
FIX	AWY-HI	38.94190	10,668 m				
EZS	UP975	38.70830	35,000 ft	15	ELAZIG		
VOR	AWY-HI	39.22410	10,668 m				
DYB	UP975	37.87340	35,000 ft	68	DIYARBAKIR		
VOR	AWY-HI	40.20820	10,668 m				
LEKRO	UP975	37.27740	35,000 ft	51	-		
FIX	AWY-HI	40.97150	10,668 m				
LESRI	UP975	37.07220	35,000 ft	17	-		
FIX	AWY-HI	41.23030	10,668 m				
SIDNA	UP975	36.56610	35,000 ft	37	-		
FIX	AWY-HI	41.68310	10,668 m				
TUBEN	UP975	35.29000	35,000 ft	97	-		
FIX	AWY-HI	42.90940	10,668 m				
MUTAG	UP975	34.50080	35,000 ft	59	-		
FIX	AWY-HI	43.64280	10,668 m				
SOGUM	UP975	34.20330	35,000 ft	22	-		
FIX	AWY-HI	43.91500	10,668 m				
PUTSI	UP975	33.53330	35,000 ft	53	-		
FIX	AWY-HI	44.61670	10,668 m				
SINKA	UP975	33.36030	35,000 ft	13	-		
FIX	AWY-HI	44.79810	10,668 m				
NOLDO	UP975	32.82560	35,000 ft	42	-		
FIX	AWY-HI	45.35810	10,668 m				
KATUT	P975	32.62690	35,000 ft	16	-		
FIX	AWY-HI	45.57750	10,668 m				
DENKI	P975	32.37440	35,000 ft	20	-		
FIX	AWY-HI	45.85610	10,668 m				
ILMAP	P975	31.35920	35,000 ft	82	-		
FIX	AWY-HI	46.95060	10,668 m				
PEBAD	P975	30.83970	35,000 ft	42	-		
FIX	AWY-HI	47.49940	10,668 m				
SIDAD	P975	29.87530	35,000 ft	77	-		
FIX	AWY-HI	48.49560	10,668 m				
DESLU	R784	29.46670	35,000 ft	37	-		
FIX	AWY-HI	49.03060	10,668 m				
NANPI	R784	29.08250	35,000 ft	34	-		
FIX	AWY-HI	49.53250	10,668 m				
ALNIN	R784	28.55170	35,000 ft	46	-		
FIX	AWY-HI	50.17670	10,668 m				
IMDAT	R784	27.68330	35,000 ft	74	-		
FIX	AWY-HI	51.18330	10,668 m				
DURSI	B416	27.20530	35,000 ft	53	-		
FIX	AWY-HI	52.02890	10,668 m				
PEGET	B416	27.07610	35,000 ft	14	-		
FIX	AWY-HI	52.25420	10,668 m				
EGMIT	B416	26.56110	35,000 ft	56	-		
FIX	AWY-HI	53.14030	10,668 m				
LEVNA	B416	26.25970	35,000 ft	32	-		

Ident Type	Via		Lat Lon	Alt		Dist (nm)	Name
FIX	AWY-HI	53.64920	10,668 m				
ORSAR	B416	26.07500	35,000 ft	20	-		
FIX	AWY-HI	53.95830	10,668 m				
GIBIB	R784	25.91860	35,000 ft	20	-		
FIX	AWY-HI	54.28670	10,668 m				
EMOTA	R784	25.88170	35,000 ft	6	-		
FIX	AWY-HI	54.40390	10,668 m				
TATLA	R784	25.79810	35,000 ft	15	-		
FIX	AWY-HI	54.66890	10,668 m				
VUTEB	L223	25.61250	35,000 ft	15	-		
FIX	AWY-HI	54.86360	10,668 m				
LOVEM	L223	25.44590	35,000 ft	22	-		
FIX	AWY-HI	55.24460	10,668 m				
IVOXI	L223	25.21100	35,000 ft	17	-		
FIX	AWY-HI	55.42030	10,668 m				
LAGTA	L223	25.10060	35,000 ft	9	-		
FIX	AWY-HI	55.55420	10,668 m				
ANVIX	L223	24.78190	35,000 ft	28	-		
FIX	AWY-HI	55.93780	10,668 m				
PEDUL	L223	24.68780	35,000 ft	7	-		
FIX	AWY-HI	56.03470	10,668 m				
KIPOK	L223	24.60310	35,000 ft	6	-		
FIX	AWY-HI	56.12190	10,668 m				
TARDI	L223	24.57170	35,000 ft	2	-		
FIX	AWY-HI	56.15420	10,668 m				
NOSMI	N629	24.29920	35,000 ft	25	-		
FIX	AWY-HI	56.50060	10,668 m				
MUSUK	N629	23.72220	35,000 ft	58	-		
FIX	AWY-HI	57.36330	10,668 m				
GEPOT	N629	23.24610	35,000 ft	45	-		
FIX	AWY-HI	58.01470	10,668 m				
GIDAN	N629	23.01780	35,000 ft	24	-		
FIX	AWY-HI	58.37560	10,668 m				
TOLDA	P570	22.66890	35,000 ft	24	-		
FIX	AWY-HI	58.60670	10,668 m				
EMURU	P570	22.23250	35,000 ft	30	-		
FIX	AWY-HI	58.89390	10,668 m				
BONOM	P570	21.61000	35,000 ft	43	-		
FIX	AWY-HI	59.30000	10,668 m				
TAVKO	P570	21.25530	35,000 ft	24	-		
FIX	AWY-HI	59.52970	10,668 m				
GOLNI	P570	21.00390	35,000 ft	17	-		
FIX	AWY-HI	59.69170	10,668 m				
KITAL	P570	20.05000	35,000 ft	66	-		
FIX	AWY-HI	60.30000	10,668 m				
BOLUR	L894	17.01140	35,000 ft	243	-		
FIX	AWY-HI	63.12250	10,668 m				
DONSA	L894	14.58830	35,000 ft	188	-		
FIX	AWY-HI	65.19330	10,668 m				
GOLEM	L894	11.96080	35,000 ft	202	-		
FIX	AWY-HI	67.37030	10,668 m				
ESMIT	L894	9.73389	35,000 ft	170	-		
FIX	AWY-HI	69.17220	10,668 m				
BIBGO	L894	7.50000	35,000 ft	170	-		
FIX	AWY-HI	70.94670	10,668 m				
LELEM	L894	4.85306	10,700 ft	201	-		

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	73.01670	3,261 m		
VRMM	-	4.19167	0 ft	50	Velana International
APT	-	73.52920	0 m		

## EDDM

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

Elevation: 1,484 ft / 452 m  
Location: 48.353800 11.786100  
Magnetic Var: 3.943 E

## METAR

EDDM 160550Z AUTO 25003KT 220V290 9999 FEW016 14/10 Q1007 BECMG 08005KT

## TAF

TAF TAF EDDM 160500Z 1606/1712 24003KT CAVOK BECMG 1606/1609 09006KT TEMPO 1615/1619 18015G25KT 4000 TSRA BKN040C

## 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

## VRMM

Region: MALDIVES  
Timezone: INDIAN/MALDIVES  
Runways: 1

Elevation: 5 ft / 2 m  
Location: 4.191670 73.529200  
Magnetic Var: 2.349 W

## METAR

VRMM 160600Z 28014KT 260V350 9999 SCT017TCU BKN270 32/28 Q1010 TEMPO FEW018CB

## TAF

VRMM 160500Z 1606/1712 28012KT 9999 SCT017TCU TEMPO 1606/1612 5000 TSRA FEW016CB

## Frequencies

APP - 119.70 MHz - MALÉ APPROACH  
GND - 121.60 MHz - MALÉ GROUND

TWR - 118.10 MHz - MALÉ TOWER  
REC - 125.50 MHz - MALÉ INFORMATION

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
18	148 ft	10,558 ft	179.06	ASPHALT	331 ft	0 ft
	45 m	3,218 m	181.41		101 m	0 m
36	148 ft	10,558 ft	359.06	ASPHALT	951 ft	59 ft
	45 m	3,218 m	1.41		290 m	18 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
36	DME	IML	108.70 MHz	18 nm	-	-	22 ft
				33 km	-		22 m
36	LOC-ILS	IML	108.70 MHz	18 nm	359.09	-	3 ft
				33 km	1.44		3 m
36	GS	IML	108.70 MHz	10 nm	359.09	3.00	3 ft
				19 km	1.44		3 m