

# EDDM

Muenchen International Airport Franz-Josef Strauss

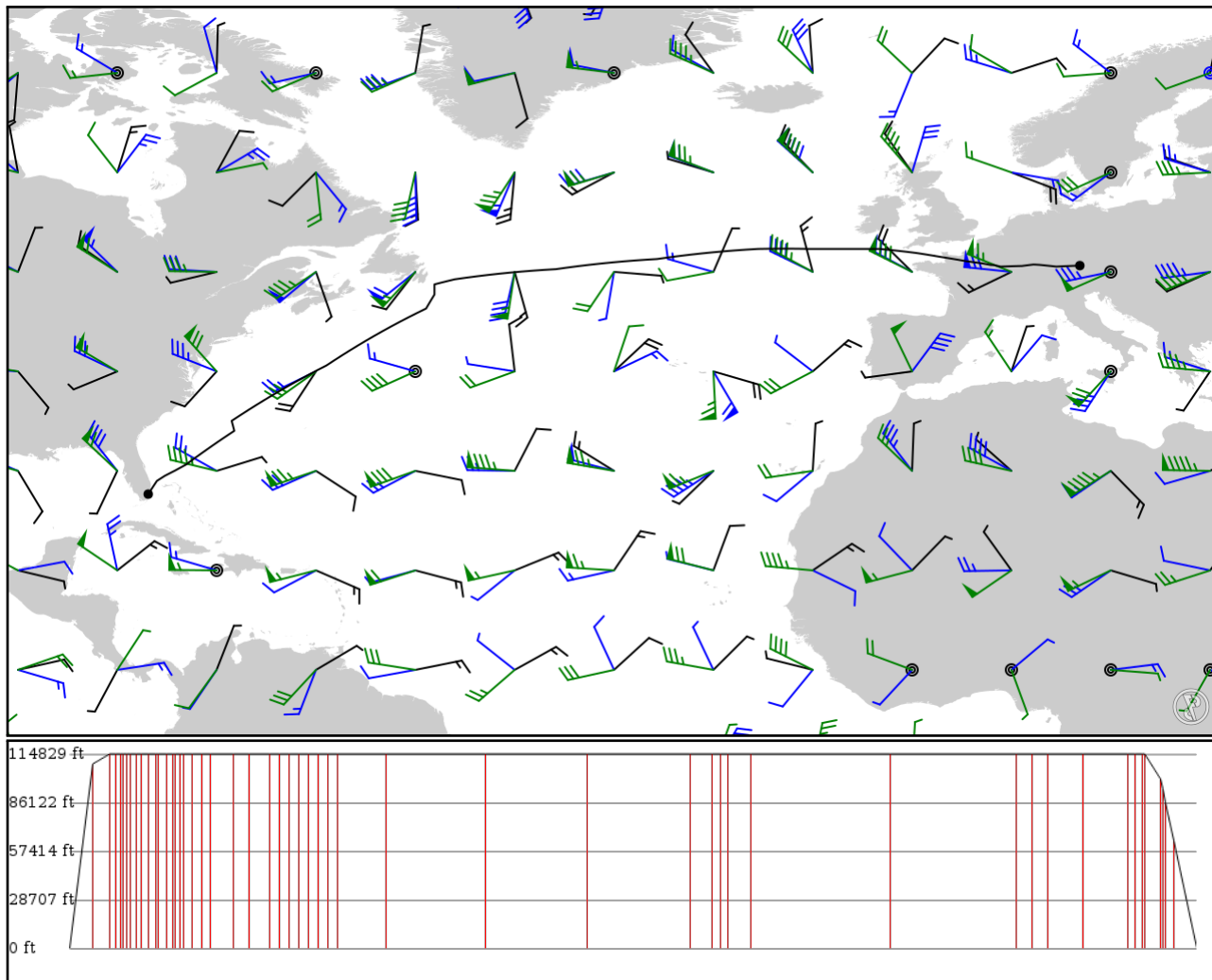
# KMIA

Miami Intl

2024/06/10 0122Z

EDDM UTABA **UM164** BRY **UM729** RESMI **UN491** LGL **UN502** JSY **UN160** LIZAD **UL739** GAPLI 5000N0900W  
5000N01000W 5000N01100W 5000N01200W 5000N01300W 5000N01400W SOMAX **E** PORTI RELIC SUPRY BOBTU **M203**  
LSIER **L453** ALOBI **M204** SUMRS **A699** AMNDA KMIA

4473.32 nm / 8284.58 km



## Notes

Using NAT tracks from 5/1/2024

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: no
- Use low airways: no
- Use high airways: yes

## Route

Ident		Via	Lat	Alt	Dist	Name
Type			Lon		(nm)	
EDDM	-	48.35380	0 ft	-		Muenchen International Airport Franz-Josef Strauss
APT	-	11.78610	0 m			
UTABA	-	48.25500	33,200 ft	93	-	
FIX	-	9.46167	10,119 m			
LUPEN	UM164	48.43510	35,000 ft	69	-	
FIX	AWY-HI	7.73362	10,668 m			
OBORN	UM164	48.46190	35,000 ft	21	-	
FIX	AWY-HI	7.20167	10,668 m			
POGOL	UM164	48.39900	35,000 ft	20	-	
FIX	AWY-HI	6.69336	10,668 m			
OBAKI	UM164	48.36580	35,000 ft	10	-	
FIX	AWY-HI	6.43056	10,668 m			
EPL	UM164	48.31780	35,000 ft	15		EPINAL MIRECOURT
VOR	AWY-HI	6.05942	10,668 m			
LANVI	UM164	48.31170	35,000 ft	10	-	
FIX	AWY-HI	5.79722	10,668 m			
LUVAL	UM164	48.29390	35,000 ft	25	-	
FIX	AWY-HI	5.15361	10,668 m			
MELKO	UM164	48.27810	35,000 ft	19	-	
FIX	AWY-HI	4.67361	10,668 m			
ROTSI	UM164	48.27670	35,000 ft	1	-	
FIX	AWY-HI	4.63417	10,668 m			
TRO	UM164	48.25120	35,000 ft	26		TROYES BARBEREY
VOR	AWY-HI	3.96314	10,668 m			
BRY	UM164	48.40700	35,000 ft	28		BRAY SUR SEINE
VOR	AWY-HI	3.29478	10,668 m			
AMODO	UM729	48.41940	35,000 ft	12	-	
FIX	AWY-HI	2.98028	10,668 m			
RESMI	UM729	48.56860	35,000 ft	32	-	
FIX	AWY-HI	2.19194	10,668 m			
TABOV	UN491	48.64420	35,000 ft	22	-	
FIX	AWY-HI	1.64889	10,668 m			
PIGOP	UN491	48.68580	35,000 ft	12	-	
FIX	AWY-HI	1.33889	10,668 m			
DITAL	UN491	48.74470	35,000 ft	18	-	
FIX	AWY-HI	0.88917	10,668 m			
LGL	UN491	48.79060	35,000 ft	14		L'AIGLE
VOR	AWY-HI	0.53028	10,668 m			
ARGED	UN502	48.92970	35,000 ft	31	-	
FIX	AWY-HI	-0.25000	10,668 m			
SENLO	UN502	49.08330	35,000 ft	37	-	
FIX	AWY-HI	-1.17833	10,668 m			
JSY	UN502	49.22110	35,000 ft	35		JERSEY
VOR	AWY-HI	-2.04615	10,668 m			
LIZAD	UN160	49.59030	35,000 ft	91	-	
FIX	AWY-HI	-4.33028	10,668 m			
MABUG	UL739	49.78470	35,000 ft	63	-	
FIX	AWY-HI	-5.93667	10,668 m			
GAPLI	UL739	50.00000	35,000 ft	80	-	
FIX	AWY-HI	-8.00000	10,668 m			
5000N0900W	-	50.00000	35,000 ft	38	-	
LATLON	-	-9.00000	10,668 m			
5000N01000W	-	50.00000	35,000 ft	38	-	

Ident Type	Via		Lat Lon	Alt		Dist (nm)	Name
LATLON	-	-10.00000	10,668 m				
5000N01100W	-	50.00000	35,000 ft	38	-		
LATLON	-	-11.00000	10,668 m				
5000N01200W	-	50.00000	35,000 ft	38	-		
LATLON	-	-12.00000	10,668 m				
5000N01300W	-	50.00000	35,000 ft	38	-		
LATLON	-	-13.00000	10,668 m				
5000N01400W	-	50.00000	35,000 ft	38	-		
LATLON	-	-14.00000	10,668 m				
SOMAX	-	50.00000	35,000 ft	38	-		
FIX	-	-15.00000	10,668 m				
50/20	E	50.00000	35,000 ft	192	-		
LATLON	NAT	-20.00000	10,668 m				
49/30	E	49.00000	35,000 ft	394	-		
LATLON	NAT	-30.00000	10,668 m				
48/40	E	48.00000	35,000 ft	402	-		
LATLON	NAT	-40.00000	10,668 m				
47/50	E	47.00000	35,000 ft	409	-		
LATLON	NAT	-50.00000	10,668 m				
PORTI	E	46.50000	35,000 ft	87	-		
FIX	NAT	-52.00000	10,668 m				
RELIC	-	46.00000	35,000 ft	30	-		
FIX	-	-52.00000	10,668 m				
SUPRY	-	45.50000	35,000 ft	30	-		
FIX	-	-52.00000	10,668 m				
BOBTU	-	44.11720	35,000 ft	90	-		
FIX	-	-52.82220	10,668 m				
SELIM	M203	38.50000	35,000 ft	557	-		
FIX	AWY-HI	-62.66890	10,668 m				
PERDO	M203	33.68720	35,000 ft	498	-		
FIX	AWY-HI	-71.03700	10,668 m				
LSIER	M203	33.02800	35,000 ft	64	-		
FIX	AWY-HI	-72.04180	10,668 m				
ALOB1	L453	32.04540	35,000 ft	60	-		
FIX	AWY-HI	-71.78000	10,668 m				
FLUPS	M204	30.57670	35,000 ft	142	-		
FIX	AWY-HI	-73.95680	10,668 m				
SUMRS	M204	28.71170	35,000 ft	176	-		
FIX	AWY-HI	-76.55850	10,668 m				
LOUIZ	A699	28.47280	35,000 ft	27	-		
FIX	AWY-HI	-77.00000	10,668 m				
HOOKY	A699	28.21430	35,000 ft	29	-		
FIX	AWY-HI	-77.47290	10,668 m				
NUCAR	A699	28.12600	35,000 ft	9	-		
FIX	AWY-HI	-77.63300	10,668 m				
STIFF	A699	27.60520	30,500 ft	62	-		
FIX	AWY-HI	-78.64610	9,296 m				
RAMJT	A699	27.52040	28,700 ft	8	-		
FIX	AWY-HI	-78.78000	8,748 m				
PERMT	A699	27.41420	26,300 ft	10	-		
FIX	AWY-HI	-78.94730	8,016 m				
AMNDA	A699	27.10000	19,400 ft	32	-		
FIX	AWY-HI	-79.43640	5,913 m				
KMIA	-	25.79620	0 ft	90	Miami Intl		
APT	-	-80.28970	0 m				

## EDDM

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

Elevation: 1,484 ft / 452 m  
Location: 48.353800 11.786100  
Magnetic Var: 3.951 E

## METAR

EDDM 100050Z AUTO VRB02KT 9999 FEW014 SCT021 BKN026 15/14 Q1007 TEMPO FM0200 RA

## TAF

TAF EDDM 092300Z 1000/1106 VRB03KT 9999 FEW012 BKN020 PROB40 TEMPO 1000/1005 RA BKN012 BECMG 1004/1006 28007KT PR

## 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	79.44		0 m	0 m
26R	197 ft	13,135 ft	263.43	CONCRETE	0 ft	0 ft
	60 m	4,004 m	259.48		0 m	0 m
08R	197 ft	13,135 ft	83.37	CONCRETE	0 ft	0 ft
	60 m	4,004 m	79.42		0 m	0 m
26L	197 ft	13,135 ft	263.41	CONCRETE	0 ft	0 ft
	60 m	4,004 m	259.46		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	79.46		1,484 m
08R	LOC-ILS	IMSE	109.30 MHz	18 nm	83.39	-	1,484 ft
				33 km	79.44		1,484 m
26L	LOC-ILS	IMSW	108.30 MHz	18 nm	263.39	-	1,484 ft
				33 km	259.44		1,484 m
26R	LOC-ILS	IMNW	108.70 MHz	18 nm	263.41	-	1,484 ft
				33 km	259.46		1,484 m
08L	GS	IMNE	109.50 MHz	10 nm	83.41	3.00	1,484 ft
				19 km	79.46		1,484 m
08R	GS	IMSE	109.30 MHz	10 nm	83.39	3.00	1,484 ft
				19 km	79.44		1,484 m
26L	GS	IMSW	108.30 MHz	10 nm	263.39	3.00	1,484 ft
				19 km	259.44		1,484 m
26R	GS	IMNW	108.70 MHz	10 nm	263.41	3.00	1,484 ft
				19 km	259.46		1,484 m

## KMIA

Region: UNITED STATES  
Timezone: AMERICA/NEW\_YORK  
Runways: 4

Elevation: 11 ft / 3 m  
Location: 25.796200 -80.289700  
Magnetic Var: 7.282 W

## METAR

KMIA 100105Z 22010KT 1 1/2SM +TSRA BR BKN020CB OVC025 25/24 A2994 RMK A02 OCNL LTGICCG OHD TS OHD MOV N P0039 T0250

## TAF

TAF KMIA 100110Z 1001/1106 21010KT 4SM SHRA VCTS BKN030CB BKN250 TEMPO 1001/1002 VRB10G20KT 2SM TSRA BKN020CB BKN0

## Frequencies

REC - 119.15 MHz - D-ATIS  
COM - 123.00 MHz - UNICOM  
GND - 121.80 MHz - MIAMI GROUND  
TWR - 118.30 MHz - MIAMI TOWER  
APP - 120.50 MHz - MIAMI APPROACH  
APP - 125.75 MHz - MIAMI APPROACH  
DEP - 125.50 MHz - MIAMI DEPARTURE

REC - 133.67 MHz - D-ATIS  
CLD - 135.35 MHz - CLEARANCE DELIVERY  
GND - 127.50 MHz - MIAMI GROUND  
TWR - 123.90 MHz - MIAMI TOWER  
APP - 124.85 MHz - MIAMI APPROACH  
DEP - 119.45 MHz - MIAMI DEPARTURE

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
09	151 ft	13,027 ft	87.37	CONCRETE	1,371 ft	384 ft
	46 m	3,971 m	94.65		418 m	117 m
27	151 ft	13,027 ft	267.39	CONCRETE	276 ft	374 ft
	46 m	3,971 m	274.67		84 m	114 m
08R	200 ft	10,515 ft	87.38	CONCRETE	0 ft	407 ft
	61 m	3,205 m	94.66		0 m	124 m
26L	200 ft	10,515 ft	267.39	CONCRETE	0 ft	407 ft
	61 m	3,205 m	274.67		0 m	124 m
08L	151 ft	8,607 ft	87.38	CONCRETE	0 ft	387 ft
	46 m	2,624 m	94.66		0 m	118 m
26R	151 ft	8,607 ft	267.39	CONCRETE	0 ft	387 ft
	46 m	2,624 m	274.67		0 m	118 m
12	151 ft	9,366 ft	119.61	CONCRETE	0 ft	397 ft
	46 m	2,855 m	126.89		0 m	121 m
30	151 ft	9,366 ft	299.62	CONCRETE	948 ft	0 ft
	46 m	2,855 m	306.90		289 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
08L	DME	IROY	109.30 MHz	18 nm	-	-	8 ft
				33 km	-		8 m
08R	DME	IMFA	110.30 MHz	18 nm	-	-	8 ft
				33 km	-		8 m
12	DME	IGEM	108.90 MHz	18 nm	-	-	14 ft
				33 km	-		14 m
26L	DME	IVIN	109.10 MHz	18 nm	-	-	12 ft
				33 km	-		12 m
26R	DME	ICNV	109.30 MHz	18 nm	-	-	8 ft
				33 km	-		8 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
30	DME	IDCX	111.70 MHz	18 nm	-	-	8 ft
				33 km	-		8 m
08R	LOC-ILS	IMFA	110.30 MHz	18 nm	87.37	-	4 ft
				33 km	94.65		4 m
09	LOC-ILS	IBUL	110.90 MHz	18 nm	87.37	-	4 ft
				33 km	94.65		4 m
12	LOC-ILS	IGEM	108.90 MHz	18 nm	119.60	-	4 ft
				33 km	126.88		4 m
26L	LOC-ILS	IVIN	109.10 MHz	18 nm	267.37	-	4 ft
				33 km	274.65		4 m
27	LOC-ILS	IMIA	109.50 MHz	18 nm	267.37	-	4 ft
				33 km	274.65		4 m
30	LOC-ILS	IDCX	111.70 MHz	18 nm	299.60	-	4 ft
				33 km	306.88		4 m
08L	LOC-LOC	IROY	109.30 MHz	18 nm	87.36	-	4 ft
				33 km	94.64		4 m
26R	LOC-LOC	ICNV	109.30 MHz	18 nm	267.36	-	4 ft
				33 km	274.64		4 m
08R	GS	IMFA	110.30 MHz	10 nm	87.37	3.00	4 ft
				19 km	94.65		4 m
09	GS	IBUL	110.90 MHz	10 nm	87.37	3.00	4 ft
				19 km	94.65		4 m
12	GS	IGEM	108.90 MHz	10 nm	119.60	3.00	4 ft
				19 km	126.88		4 m
26L	GS	IVIN	109.10 MHz	10 nm	267.37	3.00	4 ft
				19 km	274.65		4 m
27	GS	IMIA	109.50 MHz	10 nm	267.37	3.00	4 ft
				19 km	274.65		4 m
30	GS	IDCX	111.70 MHz	10 nm	299.60	3.00	4 ft
				19 km	306.88		4 m