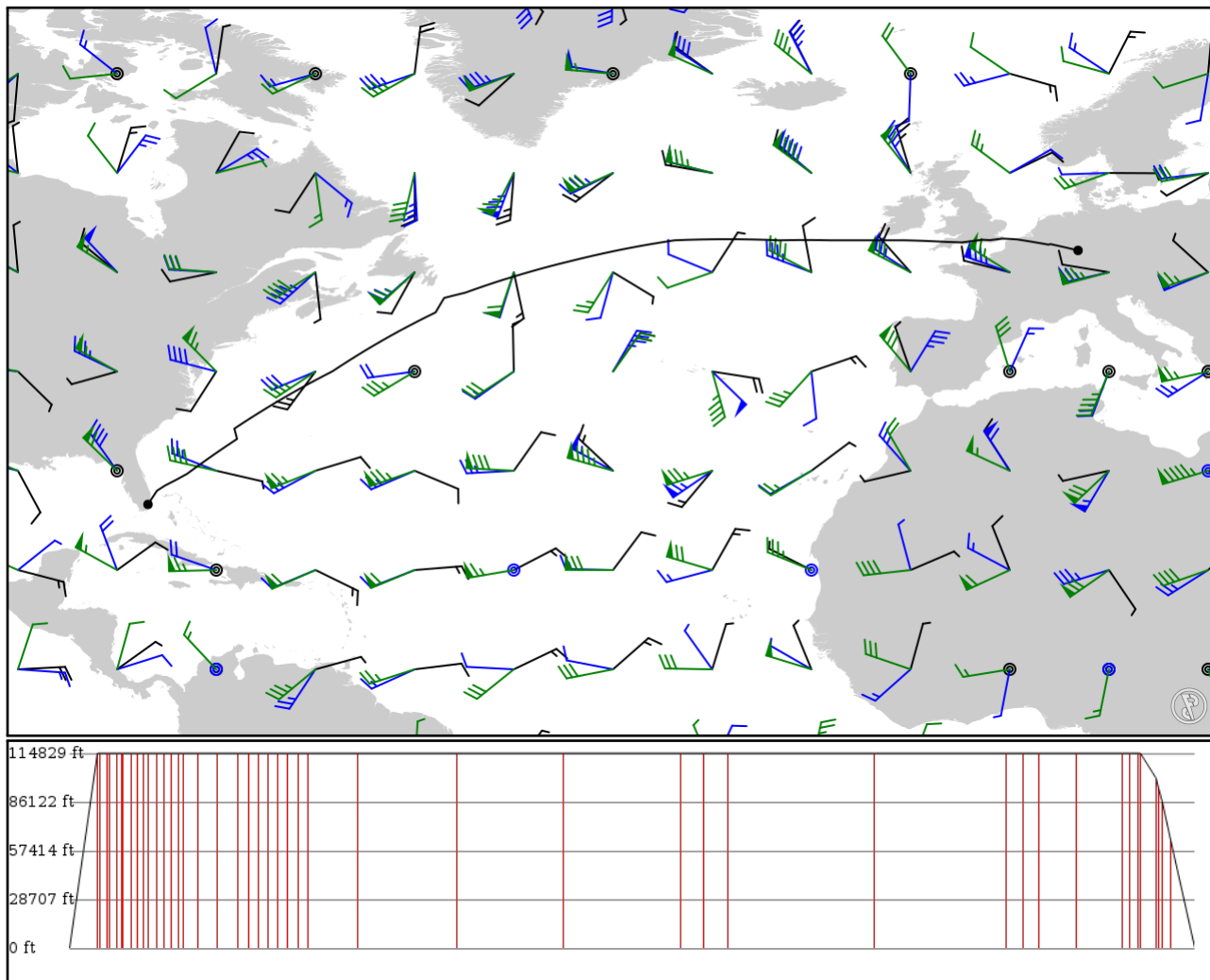


2024/05/04 0845Z

EDDF DINKI **UM170** LNO **L607** KOK KOK **L607** KONAN **L9** DVR **M140** MID **UL620** SAM SAM **N19** BEKDA **N514** LESLU  
5100N0900W 5100N01000W 5100N01100W 5100N01200W 5100N01300W 5100N01400W DINIM A SUPRY BOBTU **M203**  
LSIER **L453** ALOBI **M204** SUMRS **A699** AMNDA KMIA

4269.22 nm / 7906.59 km



## Notes

Using NAT tracks from 24/6/2021

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
EDDF	-	50.03260	0 ft	-	Frankfurt
APT	-	8.54067	0 m		
DINKI	-	50.63920	35,000 ft	107	-
FIX	-	5.90611	10,668 m		
LNO	UM170	50.58580	35,000 ft	8	OLNO
VOR	AWY-HI	5.71028	10,668 m		
NIK40	L607	50.71960	35,000 ft	29	-
FIX	AWY-LO	4.96746	10,668 m		
GILOM	L607	50.75200	35,000 ft	7	-
FIX	AWY-LO	4.77411	10,668 m		
DENOX	L607	50.87940	35,000 ft	29	-
FIX	AWY-LO	4.02778	10,668 m		
GOLEX	L607	50.94530	35,000 ft	16	-
FIX	AWY-LO	3.61583	10,668 m		
MAK	L607	50.96440	35,000 ft	4	MACKEL
NDB	AWY-LO	3.49639	10,668 m		
KOK	L607	51.09920	35,000 ft	32	KOKSY VORTAC
DME	AWY-LO	2.65472	10,668 m		
KOK	-	51.09470	35,000 ft	0	KOKSY
VOR	-	2.65167	10,668 m		
KONAN	L607	51.13080	35,000 ft	24	-
FIX	AWY-LO	2.00000	10,668 m		
DVR	L9	51.16260	35,000 ft	24	DOVER
VOR	AWY-LO	1.35909	10,668 m		
WIZAD	M140	51.11670	35,000 ft	15	-
FIX	AWY-LO	0.95306	10,668 m		
MAY	M140	51.01720	35,000 ft	32	MAYFIELD
VOR	AWY-LO	0.11612	10,668 m		
MID	M140	51.05400	35,000 ft	28	MIDHURST
VOR	AWY-LO	-0.62500	10,668 m		
SAM	UL620	50.95530	35,000 ft	27	SOUTHAMPTON VOR-DME
DME	AWY-HI	-1.34500	10,668 m		
SAM	-	50.95520	35,000 ft	0	SOUTHAMPTON
VOR	-	-1.34506	10,668 m		
NULGU	N19	50.87140	35,000 ft	25	-
FIX	AWY-HI	-1.99417	10,668 m		
BEKDA	N19	50.79690	35,000 ft	21	-
FIX	AWY-HI	-2.54583	10,668 m		
DIDEL	N514	50.84310	35,000 ft	55	-
FIX	AWY-HI	-3.99722	10,668 m		
PAVLO	N514	50.93470	35,000 ft	72	-
FIX	AWY-HI	-5.89556	10,668 m		
LESLU	N514	51.00000	35,000 ft	79	-
FIX	AWY-HI	-8.00000	10,668 m		
5100N0900W	-	51.00000	35,000 ft	37	-
LATLON	-	-9.00000	10,668 m		
5100N01000W	-	51.00000	35,000 ft	37	-
LATLON	-	-10.00000	10,668 m		
5100N01100W	-	51.00000	35,000 ft	37	-
LATLON	-	-11.00000	10,668 m		
5100N01200W	-	51.00000	35,000 ft	37	-
LATLON	-	-12.00000	10,668 m		
5100N01300W	-	51.00000	35,000 ft	37	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-13.00000	10,668 m		
5100N01400W	-	51.00000	35,000 ft	37	-
LATLON	-	-14.00000	10,668 m		
DINIM	-	51.00000	35,000 ft	37	-
FIX	-	-15.00000	10,668 m		
51/20	A	51.00000	35,000 ft	188	-
LATLON	NAT	-20.00000	10,668 m		
51/30	A	51.00000	35,000 ft	377	-
LATLON	NAT	-30.00000	10,668 m		
49/40	A	49.00000	35,000 ft	403	-
LATLON	NAT	-40.00000	10,668 m		
46/50	A	46.00000	35,000 ft	443	-
LATLON	NAT	-50.00000	10,668 m		
SUPRY	A	45.50000	35,000 ft	89	-
FIX	NAT	-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		

## EDDF

Region: GERMANY - CIVIL  
Timezone: EUROPE/BERLIN  
Runways: 4

Elevation: 362 ft / 110 m  
Location: 50.032600 8.540670  
Magnetic Var: 3.171 E

## METAR

EDDF 040820Z AUTO 06004KT 020V100 CAVOK 13/09 Q1016 NOSIG

## TAF

TAF TAF EDDF 040500Z 0406/0512 07005KT CAVOK BECMG 0409/0412 15007KT PROB30 TEMPO 0418/0506 SHRA BKN030CB BECMG 0

## Frequencies

REC - 118.02 MHz - ATIS ARRIVAL  
GND - 121.80 MHz - GROUND  
GND - 121.70 MHz - APRON RAMP/TAXI  
GND - 121.85 MHz - APRON RAMP/TAXI  
TWR - 118.77 MHz - TOWER  
TWR - 124.85 MHz - TOWER  
TWR - 136.50 MHz - TOWER  
APP - 127.27 MHz - FRANKFURT DIRECT  
APP - 125.35 MHz - LANGEN RADAR  
APP - 120.80 MHz - LANGEN RADAR  
APP - 136.12 MHz - LANGEN RADAR

REC - 118.72 MHz - ATIS DEPARTURE  
GND - 121.65 MHz - APRON RAMP/TAXI  
GND - 121.95 MHz - APRON RAMP/TAXI  
GND - 121.75 MHz - APRON RAMP/TAXI  
TWR - 119.90 MHz - TOWER  
TWR - 127.32 MHz - TOWER  
CLD - 121.90 MHz - CLEARANCE DELIVERY  
APP - 118.50 MHz - FRANKFURT DIRECT  
APP - 126.55 MHz - LANGEN RADAR  
APP - 120.15 MHz - LANGEN RADAR  
APP - 119.02 MHz - LANGEN RADAR

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
07L	148 ft	9,194 ft	69.56	CONCRETE	0 ft	0 ft
	45 m	2,802 m	66.39		0 m	0 m
25R	148 ft	9,194 ft	249.59	CONCRETE	0 ft	0 ft
	45 m	2,802 m	246.42		0 m	0 m
07C	197 ft	13,134 ft	69.57	ASPHALT	0 ft	203 ft
	60 m	4,003 m	66.40		0 m	62 m
25C	197 ft	13,134 ft	249.61	ASPHALT	0 ft	935 ft
	60 m	4,003 m	246.44		0 m	285 m
07R	148 ft	13,134 ft	69.59	ASPHALT	0 ft	213 ft
	45 m	4,003 m	66.42		0 m	65 m
25L	148 ft	13,134 ft	249.63	ASPHALT	0 ft	1,775 ft
	45 m	4,003 m	246.46		0 m	541 m
18	148 ft	13,083 ft	179.64	ASPHALT	0 ft	0 ft
	45 m	3,988 m	176.47		0 m	0 m
36	148 ft	13,083 ft	359.64	ASPHALT	0 ft	121 ft
	45 m	3,988 m	356.47		0 m	37 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
07L	DME	IFNE	111.75 MHz	18 nm	-	-	357 ft
				33 km	-		357 m
25C	DME	IFCW	111.55 MHz	18 nm	-	-	364 ft
				33 km	-		364 m
25R	DME	IFNW	111.35 MHz	18 nm	-	-	357 ft
				33 km	-		357 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
07C	LOC-ILS	IFCE	110.55 MHz	18 nm	69.59	-	362 ft
				33 km	66.42		362 m
07L	LOC-ILS	IFNE	111.75 MHz	18 nm	69.58	-	362 ft
				33 km	66.41		362 m
07R	LOC-ILS	IFSE	110.95 MHz	18 nm	69.61	-	362 ft
				33 km	66.44		362 m
25C	LOC-ILS	IFCW	111.55 MHz	18 nm	249.59	-	362 ft
				33 km	246.42		362 m
25L	LOC-ILS	IFSW	111.15 MHz	18 nm	249.61	-	362 ft
				33 km	246.44		362 m
25R	LOC-ILS	IFNW	111.35 MHz	18 nm	249.58	-	362 ft
				33 km	246.41		362 m
07C	GS	IFCE	110.55 MHz	10 nm	69.59	3.00	362 ft
				19 km	66.42		362 m
07L	GS	IFNE	111.75 MHz	10 nm	69.58	3.00	362 ft
				19 km	66.41		362 m
07R	GS	IFSE	110.95 MHz	10 nm	69.61	3.00	362 ft
				19 km	66.44		362 m
25C	GS	IFCW	111.55 MHz	10 nm	249.59	3.00	362 ft
				19 km	246.42		362 m
25L	GS	IFSW	111.15 MHz	10 nm	249.61	3.00	362 ft
				19 km	246.44		362 m
25R	GS	IFNW	111.35 MHz	10 nm	249.58	3.00	362 ft
				19 km	246.41		362 m

## KMIA

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

Elevation: 11 ft / 3 m  
Location: 25.796200 -80.289700  
Magnetic Var: 7.272 W

## METAR

KMIA 040753Z 10009KT 10SM CLR 25/19 A2995 RMK A02 SLP142 T02500194 \$

## TAF

KMIA 040524Z 0406/0512 09008KT P6SM SCT030 BKN050 FM041600 10012G22KT P6SM SCT030 FM050200 10009KT P6SM FEW030

## Frequencies

REC - 119.15 MHz - D-ATIS	REC - 133.67 MHz - D-ATIS
COM - 123.00 MHz - UNICOM	CLD - 135.35 MHz - CLEARANCE DELIVERY
GND - 121.80 MHz - MIAMI GROUND	GND - 127.50 MHz - MIAMI GROUND
TWR - 118.30 MHz - MIAMI TOWER	TWR - 123.90 MHz - MIAMI TOWER
APP - 120.50 MHz - MIAMI APPROACH	APP - 124.85 MHz - MIAMI APPROACH
APP - 125.75 MHz - MIAMI APPROACH	DEP - 119.45 MHz - MIAMI DEPARTURE
DEP - 125.50 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	94.64		418 m	117 m
27	151 ft	13,027 ft	267.39	CONCRETE	276 ft	374 ft
	46 m	3,971 m	274.66		84 m	114 m
08R	200 ft	10,515 ft	87.38	CONCRETE	0 ft	407 ft
	61 m	3,205 m	94.65		0 m	124 m
26L	200 ft	10,515 ft	267.39	CONCRETE	0 ft	407 ft
	61 m	3,205 m	274.66		0 m	124 m
08L	151 ft	8,607 ft	87.38	CONCRETE	0 ft	387 ft
	46 m	2,624 m	94.65		0 m	118 m
26R	151 ft	8,607 ft	267.39	CONCRETE	0 ft	387 ft
	46 m	2,624 m	274.66		0 m	118 m
12	151 ft	9,366 ft	119.61	CONCRETE	0 ft	397 ft
	46 m	2,855 m	126.88		0 m	121 m
30	151 ft	9,366 ft	299.62	CONCRETE	948 ft	0 ft
	46 m	2,855 m	306.89		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	94.64		4 m
09	LOC-ILS	IBUL	110.90 MHz	18 nm	87.37	-	4 ft
				33 km	94.64		4 m
12	LOC-ILS	IGEM	108.90 MHz	18 nm	119.60	-	4 ft
				33 km	126.87		4 m
26L	LOC-ILS	IVIN	109.10 MHz	18 nm	267.37	-	4 ft
				33 km	274.64		4 m
27	LOC-ILS	IMIA	109.50 MHz	18 nm	267.37	-	4 ft
				33 km	274.64		4 m
30	LOC-ILS	IDCX	111.70 MHz	18 nm	299.60	-	4 ft
				33 km	306.87		4 m
08L	LOC-LOC	IROY	109.30 MHz	18 nm	87.36	-	4 ft
				33 km	94.63		4 m
26R	LOC-LOC	ICNV	109.30 MHz	18 nm	267.36	-	4 ft
				33 km	274.63		4 m
08R	GS	IMFA	110.30 MHz	10 nm	87.37	3.00	4 ft
				19 km	94.64		4 m
09	GS	IBUL	110.90 MHz	10 nm	87.37	3.00	4 ft
				19 km	94.64		4 m
12	GS	IGEM	108.90 MHz	10 nm	119.60	3.00	4 ft
				19 km	126.87		4 m
26L	GS	IVIN	109.10 MHz	10 nm	267.37	3.00	4 ft
				19 km	274.64		4 m
27	GS	IMIA	109.50 MHz	10 nm	267.37	3.00	4 ft
				19 km	274.64		4 m
30	GS	IDCX	111.70 MHz	10 nm	299.60	3.00	4 ft
				19 km	306.87		4 m