

FMSF

FIANARANTSOA

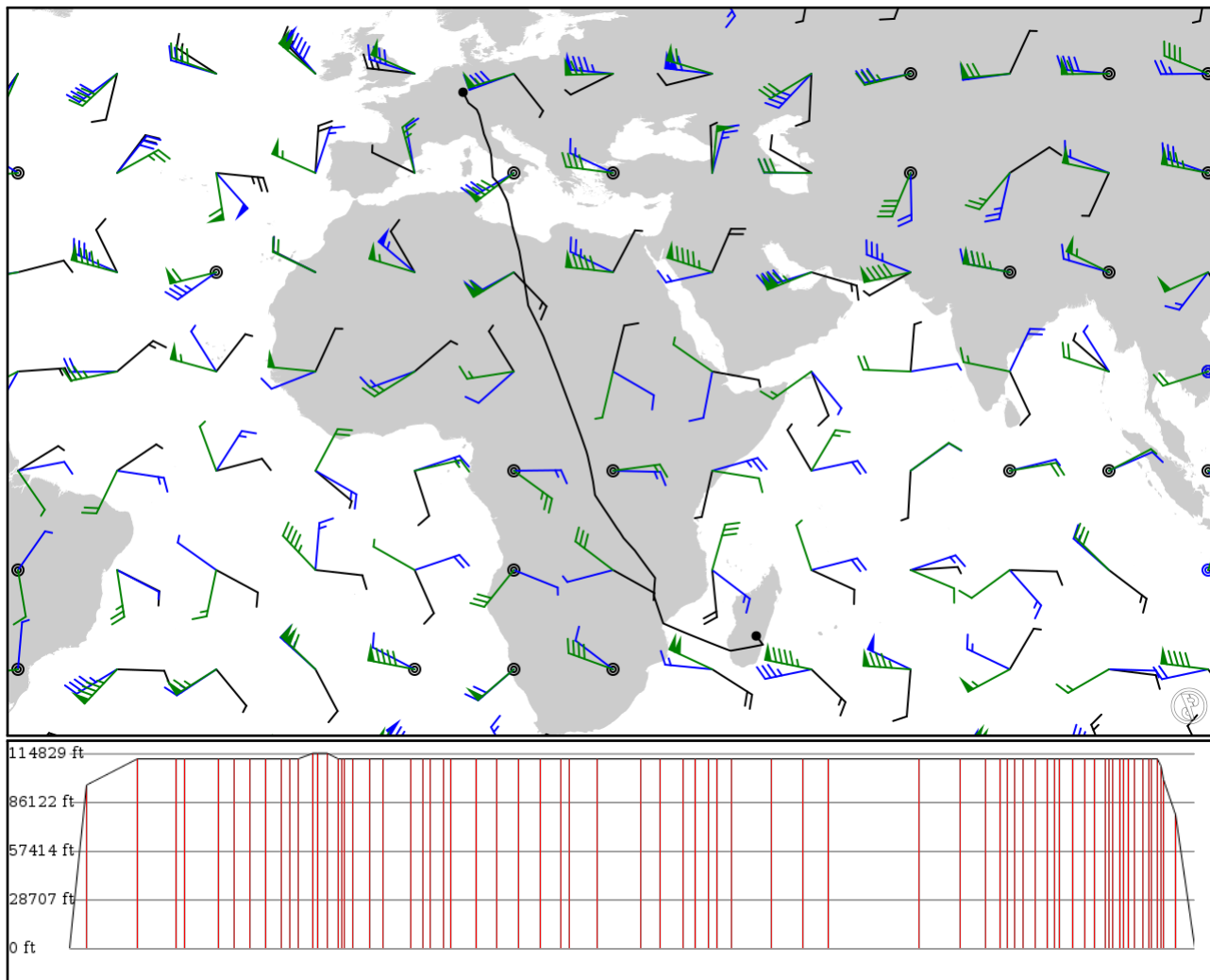
EDDF

Frankfurt am Main

2024/05/12 1241Z

FMSF LAKRA **UG653G** VSQ **UG652F** EGMAD **UG652** VBR **UW13** VTZ **UG656** DVL **UB400** DVL04 **UR984** KENOT **UR984F**
KIN **UG655** MERON **UG655G** KINTU **UG655** GARIN **UP126** SUDIK **UM732** GZO **UM742** PAL **UL12** GIANO **UM727** ROTUN
UN737 BOL **UZ805** VALEN **UM738** ALGOI **UL607** TGO EDDF

5377.72 nm / 9959.54 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

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FMSF	-	-21.44156	0 ft	-	FIANARANTSOA
APT	-	47.11174	0 m		
LAKRA	-	-22.58972	29,300 ft	84	-
FIX	-	48.00000	8,931 m		
VSQ	UG653G	-23.38936	34,000 ft	241	TOLIARA NDB
NDB	AWY-HI	43.72231	10,363 m		
EDAMA	UG652F	-22.18694	34,000 ft	185	-
FIX	AWY-HI	40.62722	10,363 m		
EGMAD	UG652F	-21.93333	34,000 ft	38	-
FIX	AWY-HI	40.00000	10,363 m		
IMRON	UG652	-20.82760	34,000 ft	165	-
FIX	AWY-HI	37.29181	10,363 m		
TEXOM	UG652	-20.31264	34,000 ft	74	-
FIX	AWY-HI	36.08011	10,363 m		
VBR	UG652	-19.78767	34,000 ft	75	BEIRA VOR-DME
VOR	AWY-HI	34.87175	10,363 m		
KOBAT	UW13	-18.59488	34,000 ft	75	-
FIX	AWY-HI	34.46530	10,363 m		
IMVIT	UW13	-17.39953	34,000 ft	75	-
FIX	AWY-HI	34.06172	10,363 m		
PATAM	UW13	-16.81624	34,000 ft	36	-
FIX	AWY-HI	33.86838	10,363 m		
VTZ	UW13	-16.12629	34,000 ft	43	TETE CHINGODZI VOR
VOR	AWY-HI	33.64004	10,363 m		
MUTAR	UG656	-15.00139	35,000 ft	67	-
FIX	AWY-HI	33.71671	10,668 m		
DVL25	UG656	-14.64660	35,000 ft	21	-
FIX	AWY-HI	33.73604	10,668 m		
DVL	UG656	-13.81259	35,000 ft	50	LILONGWE VOR-DME
VOR	AWY-HI	33.80782	10,668 m		
DVL04	UB400	-13.14043	34,000 ft	50	-
FIX	AWY-HI	33.30003	10,363 m		
DVL06	UR984	-12.87378	34,000 ft	20	-
FIX	AWY-HI	33.09169	10,363 m		
TIBAK	UR984	-12.73491	34,000 ft	10	-
FIX	AWY-HI	32.99030	10,363 m		
EKBEG	UR984	-12.22640	34,000 ft	37	-
FIX	AWY-HI	32.61497	10,363 m		
ETOLI	UR984	-12.19105	34,000 ft	2	-
FIX	AWY-HI	32.58872	10,363 m		
APGEL	UR984	-11.09488	34,000 ft	81	-
FIX	AWY-HI	31.78328	10,363 m		
KS	UR984	-10.21500	34,000 ft	64	KASAMA NDB
NDB	AWY-HI	31.14667	10,363 m		
KENOT	UR984	-8.58193	34,000 ft	131	-
FIX	AWY-HI	29.66160	10,363 m		
MELAM	UR984F	-7.80199	34,000 ft	55	-
FIX	AWY-HI	29.16659	10,363 m		
LIKAL	UR984F	-7.31370	34,000 ft	36	-
FIX	AWY-HI	28.81491	10,363 m		
MOMAX	UR984F	-6.44544	34,000 ft	62	-
FIX	AWY-HI	28.23823	10,363 m		
DILMA	UR984F	-5.93215	34,000 ft	36	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	27.89989	10,363 m		
PONAL	UR984F	-4.29230	34,000 ft	118	-
FIX	AWY-HI	26.80486	10,363 m		
KIN	UR984F	-2.91908	34,000 ft	98	KINDU VOR
VOR	AWY-HI	25.89983	10,363 m		
OPGAT	UG655	-1.15756	34,000 ft	106	-
FIX	AWY-HI	25.64649	10,363 m		
KGI	UG655	0.49258	34,000 ft	101	BANGOKA VOR-DME
VOR	AWY-HI	25.31343	10,363 m		
VIVRO	UG655	2.12883	34,000 ft	100	-
FIX	AWY-HI	24.95814	10,363 m		
BUT	UG655	2.80711	34,000 ft	42	BUTA NDB
NDB	AWY-HI	24.77314	10,363 m		
MERON	UG655	4.91667	34,000 ft	133	-
FIX	AWY-HI	24.04500	10,363 m		
ONUDA	UG655G	8.16139	34,000 ft	207	-
FIX	AWY-HI	22.85250	10,363 m		
IRAGA	UG655G	9.54361	34,000 ft	88	-
FIX	AWY-HI	22.33861	10,363 m		
BULGO	UG655G	11.33250	34,000 ft	114	-
FIX	AWY-HI	21.66667	10,363 m		
XULAK	UG655G	12.17500	34,000 ft	53	-
FIX	AWY-HI	21.34750	10,363 m		
ARBEG	UG655G	13.23194	34,000 ft	67	-
FIX	AWY-HI	20.96111	10,363 m		
KOBLA	UG655G	13.80083	34,000 ft	36	-
FIX	AWY-HI	20.72472	10,363 m		
KINTU	UG655G	14.94722	34,000 ft	73	-
FIX	AWY-HI	20.28333	10,363 m		
FLU	UG655	17.92108	34,000 ft	190	FAYA LARGEAU NDB
NDB	AWY-HI	19.11300	10,363 m		
ILDOR	UG655	20.16028	34,000 ft	148	-
FIX	AWY-HI	18.02194	10,363 m		
GARIN	UG655	22.00000	34,000 ft	121	-
FIX	AWY-HI	17.11000	10,363 m		
HON	UP126	29.13333	34,000 ft	432	HON NDB
NDB	AWY-HI	15.95000	10,363 m		
MIS	UP126	32.31667	34,000 ft	196	MISURATA VOR-DME
VOR	AWY-HI	15.06667	10,363 m		
LUMED	UP126	34.33333	34,000 ft	122	-
FIX	AWY-HI	14.66083	10,363 m		
SUDIK	UP126	35.44861	34,000 ft	67	-
FIX	AWY-HI	14.43694	10,363 m		
GZO	UM732	36.03733	34,000 ft	37	GOZO VOR-DME
VOR	AWY-HI	14.20525	10,363 m		
EKOLA	UM742	36.50000	34,000 ft	29	-
FIX	AWY-HI	13.97222	10,363 m		
MARON	UM742	37.12361	34,000 ft	40	-
FIX	AWY-HI	13.65306	10,363 m		
PAL	UM742	38.03389	34,000 ft	59	PALERMO VOR-DME
VOR	AWY-HI	13.17750	10,363 m		
GIANO	UL12	38.86917	34,000 ft	60	-
FIX	AWY-HI	12.44750	10,363 m		
UVETO	UM727	39.44861	34,000 ft	34	-
FIX	AWY-HI	12.40750	10,363 m		
CORAD	UM727	39.75694	34,000 ft	18	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	12.38528	10,363 m		
ROTUN	UM727	40.88333	34,000 ft	67	-
FIX	AWY-HI	12.30556	10,363 m		
OST	UN737	41.80388	34,000 ft	55	OSTIA VOR-DME
VOR	AWY-HI	12.23750	10,363 m		
BOL	UN737	42.61833	34,000 ft	49	BOLSENA VORTAC
VOR	AWY-HI	12.04861	10,363 m		
IXUSI	UZ805	43.43861	34,000 ft	51	-
FIX	AWY-HI	11.73083	10,363 m		
BUKIN	UZ805	43.67694	34,000 ft	14	-
FIX	AWY-HI	11.63667	10,363 m		
VALEN	UZ805	43.93722	34,000 ft	16	-
FIX	AWY-HI	11.53306	10,363 m		
BOA	UM738	44.53694	34,000 ft	37	BOLOGNA VOR-DME
VOR	AWY-HI	11.29055	10,363 m		
KREVA	UM738	44.77444	34,000 ft	14	-
FIX	AWY-HI	11.23500	10,363 m		
OSTEG	UM738	45.17861	34,000 ft	24	-
FIX	AWY-HI	11.13889	10,363 m		
ADOSA	UM738	45.64444	34,000 ft	28	-
FIX	AWY-HI	11.02639	10,363 m		
RENTA	UM738	46.30556	34,000 ft	40	-
FIX	AWY-HI	10.86361	10,363 m		
GIMOS	UM738	46.83711	34,000 ft	32	-
FIX	AWY-HI	10.72836	10,363 m		
PITAR	UM738	47.02917	34,000 ft	11	-
FIX	AWY-HI	10.68056	10,363 m		
ALGOI	UM738	47.44743	34,000 ft	26	-
FIX	AWY-HI	10.48867	10,363 m		
KPT	UL607	47.74583	32,700 ft	18	KEMPTEN VOR-DME
VOR	AWY-HI	10.34972	9,967 m		
AMEMI	UL607	47.89472	30,300 ft	11	-
FIX	AWY-HI	10.16722	9,235 m		
TGO	UL607	48.61841	24,000 ft	56	TANGO VORTAC
VOR	AWY-HI	9.25921	7,315 m		
EDDF	-	50.03260	0 ft	89	Frankfurt am Main
APT	-	8.54064	0 m		

EDDF

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

Elevation: 362 ft / 110 m
Location: 50.032600 8.540670
Magnetic Var: 3.174 E

METAR

EDDF 121220Z AUTO 08012KT 040V110 CAVOK 25/09 Q1016 NOSIG

TAF

TAF EDDF 121100Z 1212/1318 11008KT CAVOK BECMG 1219/1221 05005KT BECMG 1307/1309 16006KT TEMPO 1311/1318 SHRA SCT

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	66.41		0 m	65 m
25L	148 ft	13,134 ft	249.63	ASPHALT	0 ft	1,775 ft
	45 m	4,003 m	246.45		0 m	541 m
18	148 ft	13,083 ft	179.64	ASPHALT	0 ft	0 ft
	45 m	3,988 m	176.46		0 m	0 m
36	148 ft	13,083 ft	359.64	ASPHALT	0 ft	121 ft
	45 m	3,988 m	356.46		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