

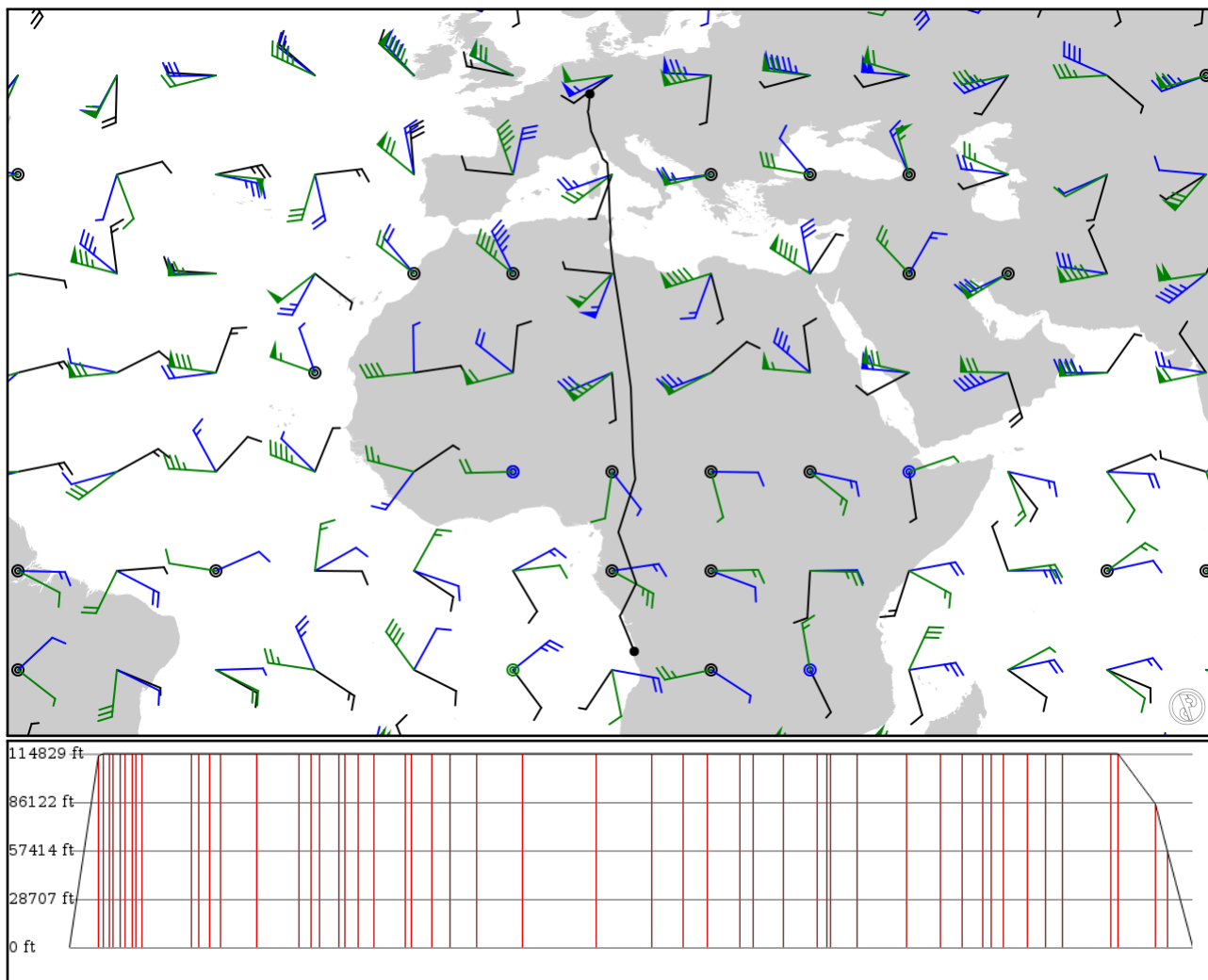
EDDF
Frankfurt

FNLU
Luanda-Quatro de Fevereiro

2024/06/07 2246Z

EDDF LUGUS **N850** NATOR **UN850** DEGAD **N850** ODINA **Q343** BAKRO **L50** ELB **Z254** DEDOM **N157** ABDAB **UN157** MON
UA411 JBA **UG727** FARES **UM731** DEKIL **UG727** TJR **UH455** NLY **UR986** FRV **UR988** IT **UW118** LIKAD **UR526** EPLAT
FNLU

3640.73 nm / 6742.64 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
EDDF	-	50.03260	0 ft	-	Frankfurt
APT	-	8.54067	0 m		
LUGUS	-	48.42180	34,600 ft	96	-
FIX	-	8.40078	10,546 m		
NATOR	N850	48.17000	35,000 ft	15	-
FIX	AWY-LO	8.32126	10,668 m		
TITIX	UN850	47.85830	35,000 ft	18	-
FIX	AWY-HI	8.39667	10,668 m		
TRA	UN850	47.68950	35,000 ft	10	TRASADINGEN
VOR	AWY-HI	8.43697	10,668 m		
RIPUS	UN850	47.26030	35,000 ft	25	-
FIX	AWY-HI	8.50000	10,668 m		
GERSA	UN850	47.03940	35,000 ft	13	-
FIX	AWY-HI	8.53211	10,668 m		
SOSON	UN850	46.60670	35,000 ft	26	-
FIX	AWY-HI	8.59417	10,668 m		
DEGAD	UN850	46.43610	35,000 ft	10	-
FIX	AWY-HI	8.61833	10,668 m		
ODINA	N850	46.10440	35,000 ft	20	-
FIX	AWY-HI	8.66492	10,668 m		
BETEN	Q343	43.55310	35,000 ft	160	-
FIX	AWY-HI	9.76833	10,668 m		
BAKRO	Q343	43.18810	35,000 ft	22	-
FIX	AWY-HI	9.88750	10,668 m		
ELB	L50	42.73070	35,000 ft	35	ELBA
VOR	AWY-HI	10.39570	10,668 m		
DEDOM	Z254	42.11670	35,000 ft	36	-
FIX	AWY-LO	10.43330	10,668 m		
QUENN	N157	40.16500	35,000 ft	117	-
FIX	AWY-HI	10.54360	10,668 m		
ABDAB	N157	37.88920	35,000 ft	136	-
FIX	AWY-HI	10.62860	10,668 m		
ICANI	UN157	37.23610	35,000 ft	39	-
FIX	AWY-HI	10.64060	10,668 m		
ADRIL	UN157	36.77610	35,000 ft	27	-
FIX	AWY-HI	10.65280	10,668 m		
MON	UN157	35.75490	35,000 ft	61	MONASTIR
VOR	AWY-HI	10.74820	10,668 m		
ELJEM	UA411	35.42140	35,000 ft	20	-
FIX	AWY-HI	10.72920	10,668 m		
SFX	UA411	34.71610	35,000 ft	42	SFAX
VOR	AWY-HI	10.68890	10,668 m		
JBA	UA411	33.87720	35,000 ft	50	DJERBA
VOR	AWY-HI	10.77160	10,668 m		
FARES	UG727	32.16360	35,000 ft	103	-
FIX	AWY-HI	10.94780	10,668 m		
NALUT	UM731	31.85030	35,000 ft	18	-
FIX	AWY-HI	10.98170	10,668 m		
NAFUS	UM731	30.74330	35,000 ft	67	-
FIX	AWY-HI	11.16500	10,668 m		
DERJE	UM731	29.79500	35,000 ft	57	-
FIX	AWY-HI	11.31670	10,668 m		
ORBEL	UM731	28.37670	35,000 ft	85	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	11.53830	10,668 m		
TAZIT	UM731	25.94000	35,000 ft	147	-
FIX	AWY-HI	11.90500	10,668 m		
DEKIL	UM731	22.00000	35,000 ft	238	-
FIX	AWY-HI	12.46830	10,668 m		
DIR	UG727	18.98150	35,000 ft	182	DIRKOU
VOR	AWY-HI	12.88050	10,668 m		
DEREN	UG727	17.33140	35,000 ft	99	-
FIX	AWY-HI	12.93470	10,668 m		
EDARA	UG727	15.99420	35,000 ft	80	-
FIX	AWY-HI	12.97780	10,668 m		
APTEX	UG727	14.25670	35,000 ft	104	-
FIX	AWY-HI	13.03280	10,668 m		
BOSSO	UG727	13.54990	35,000 ft	42	-
FIX	AWY-HI	13.04940	10,668 m		
MIU	UG727	11.88820	35,000 ft	99	MAIDUGURI
VOR	AWY-HI	13.11670	10,668 m		
EBIMU	UG727	10.04520	35,000 ft	111	-
FIX	AWY-HI	13.27940	10,668 m		
PITRU	UG727	9.57444	35,000 ft	28	-
FIX	AWY-HI	13.32250	10,668 m		
TJR	UG727	9.33436	35,000 ft	14	GAROUA
VOR	AWY-HI	13.34460	10,668 m		
ASSAM	UH455	8.00000	35,000 ft	84	-
FIX	AWY-HI	12.91500	10,668 m		
KEMOX	UH455	5.43139	35,000 ft	161	-
FIX	AWY-HI	12.09580	10,668 m		
NLY	UH455	3.72581	35,000 ft	107	YAOUNDE-NSIMALEN
VOR	AWY-HI	11.55650	10,668 m		
TAPEK	UR986	2.60278	35,000 ft	71	-
FIX	AWY-HI	11.95140	10,668 m		
ERPUL	UR986	1.55778	35,000 ft	66	-
FIX	AWY-HI	12.31810	10,668 m		
AGTIR	UR986	1.10949	35,000 ft	28	-
FIX	AWY-HI	12.47530	10,668 m		
VAKED	UR986	0.52421	35,000 ft	37	-
FIX	AWY-HI	12.68050	10,668 m		
EMTIP	UR986	0.48833	35,000 ft	2	-
FIX	AWY-HI	12.69310	10,668 m		
LIPER	UR986	-0.70472	35,000 ft	75	-
FIX	AWY-HI	13.11130	10,668 m		
FRV	UR986	-1.65308	35,000 ft	60	FRANCEVILLE
VOR	AWY-HI	13.44390	10,668 m		
VOSAL	UR988	-2.46472	35,000 ft	54	-
FIX	AWY-HI	13.04720	10,668 m		
IT	UR988	-4.82308	35,000 ft	157	POINTE NOIRE
VOR	AWY-HI	11.88740	10,668 m		
LIKAD	UW118	-5.12333	35,000 ft	21	-
FIX	AWY-HI	11.70280	10,668 m		
EXITO	UR526	-6.98944	25,900 ft	121	-
FIX	AWY-HI	12.47420	7,894 m		
EPLAT	UR526	-7.60833	17,300 ft	40	-
FIX	AWY-HI	12.73140	5,273 m		
FNLU	-	-8.85834	0 ft	80	Luanda-Quatro de Fevereiro
APT	-	13.23110	0 m		

EDDF

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

Elevation: 362 ft / 110 m
Location: 50.032600 8.540670
Magnetic Var: 3.183 E

METAR

EDDF 072220Z AUTO VRB02KT CAVOK 13/10 Q1016 NOSIG

TAF

TAF EDDF 071700Z 0718/0824 26006KT CAVOK BECMG 0718/0721 35003KT BECMG 0806/0809 22005KT BECMG 0812/0815 26010KT

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	66.38		0 m	0 m
25R	148 ft	9,194 ft	249.59	CONCRETE	0 ft	0 ft
	45 m	2,802 m	246.41		0 m	0 m
07C	197 ft	13,134 ft	69.57	ASPHALT	0 ft	203 ft
	60 m	4,003 m	66.39		0 m	62 m
25C	197 ft	13,134 ft	249.61	ASPHALT	0 ft	935 ft
	60 m	4,003 m	246.43		0 m	285 m
07R	148 ft	13,134 ft	69.59	ASPHALT	0 ft	213 ft
	45 m	4,003 m	66.40		0 m	65 m
25L	148 ft	13,134 ft	249.63	ASPHALT	0 ft	1,775 ft
	45 m	4,003 m	246.44		0 m	541 m
18	148 ft	13,083 ft	179.64	ASPHALT	0 ft	0 ft
	45 m	3,988 m	176.45		0 m	0 m
36	148 ft	13,083 ft	359.64	ASPHALT	0 ft	121 ft
	45 m	3,988 m	356.45		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	66.41		362 m
07L	LOC-ILS	IFNE	111.75 MHz	18 nm	69.58	-	362 ft
				33 km	66.40		362 m
07R	LOC-ILS	IFSE	110.95 MHz	18 nm	69.61	-	362 ft
				33 km	66.43		362 m
25C	LOC-ILS	IFCW	111.55 MHz	18 nm	249.59	-	362 ft
				33 km	246.41		362 m
25L	LOC-ILS	IFSW	111.15 MHz	18 nm	249.61	-	362 ft
				33 km	246.43		362 m
25R	LOC-ILS	IFNW	111.35 MHz	18 nm	249.58	-	362 ft
				33 km	246.40		362 m
07C	GS	IFCE	110.55 MHz	10 nm	69.59	3.00	362 ft
				19 km	66.41		362 m
07L	GS	IFNE	111.75 MHz	10 nm	69.58	3.00	362 ft
				19 km	66.40		362 m
07R	GS	IFSE	110.95 MHz	10 nm	69.61	3.00	362 ft
				19 km	66.43		362 m
25C	GS	IFCW	111.55 MHz	10 nm	249.59	3.00	362 ft
				19 km	246.41		362 m
25L	GS	IFSW	111.15 MHz	10 nm	249.61	3.00	362 ft
				19 km	246.43		362 m
25R	GS	IFNW	111.35 MHz	10 nm	249.58	3.00	362 ft
				19 km	246.40		362 m

FNLU

Region: ANGOLA
Timezone: AFRICA/LUANDA
Runways: 2

Elevation: 238 ft / 73 m
Location: -8.858340 13.231100
Magnetic Var: 2.366 W

METAR

FNLU 072200Z VRB03KT 9999 SCT022 23/19 Q1015 NOSIG

TAF

TAF TAF FNLU 071700Z 0718/0824 22007KT 8000 FEW020 BECMG 0803/0806 BKN018

Frequencies

TWR - 118.10 MHz - LUANDA TOWER
APP - 119.10 MHz - LUANDA APPROACH

GND - 121.90 MHz - LUANDA GROUND

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
07	148 ft	8,210 ft	67.54	ASPHALT	0 ft	0 ft
	45 m	2,502 m	69.91		0 m	0 m
25	148 ft	8,210 ft	247.54	ASPHALT	0 ft	0 ft
	45 m	2,502 m	249.90		0 m	0 m
05	148 ft	12,151 ft	46.59	ASPHALT	0 ft	0 ft
	45 m	3,704 m	48.96		0 m	0 m
23	148 ft	12,151 ft	226.59	ASPHALT	492 ft	0 ft
	45 m	3,704 m	228.95		150 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
23	DME	ILD	110.30 MHz	18 nm	-	-	243 ft
				33 km	-		243 m
23	LOC-ILS	ILD	110.30 MHz	10 nm	226.59	-	238 ft
				19 km	228.96		238 m
23	GS	ILD	110.30 MHz	10 nm	226.59	3.00	238 ft
				19 km	228.96		238 m