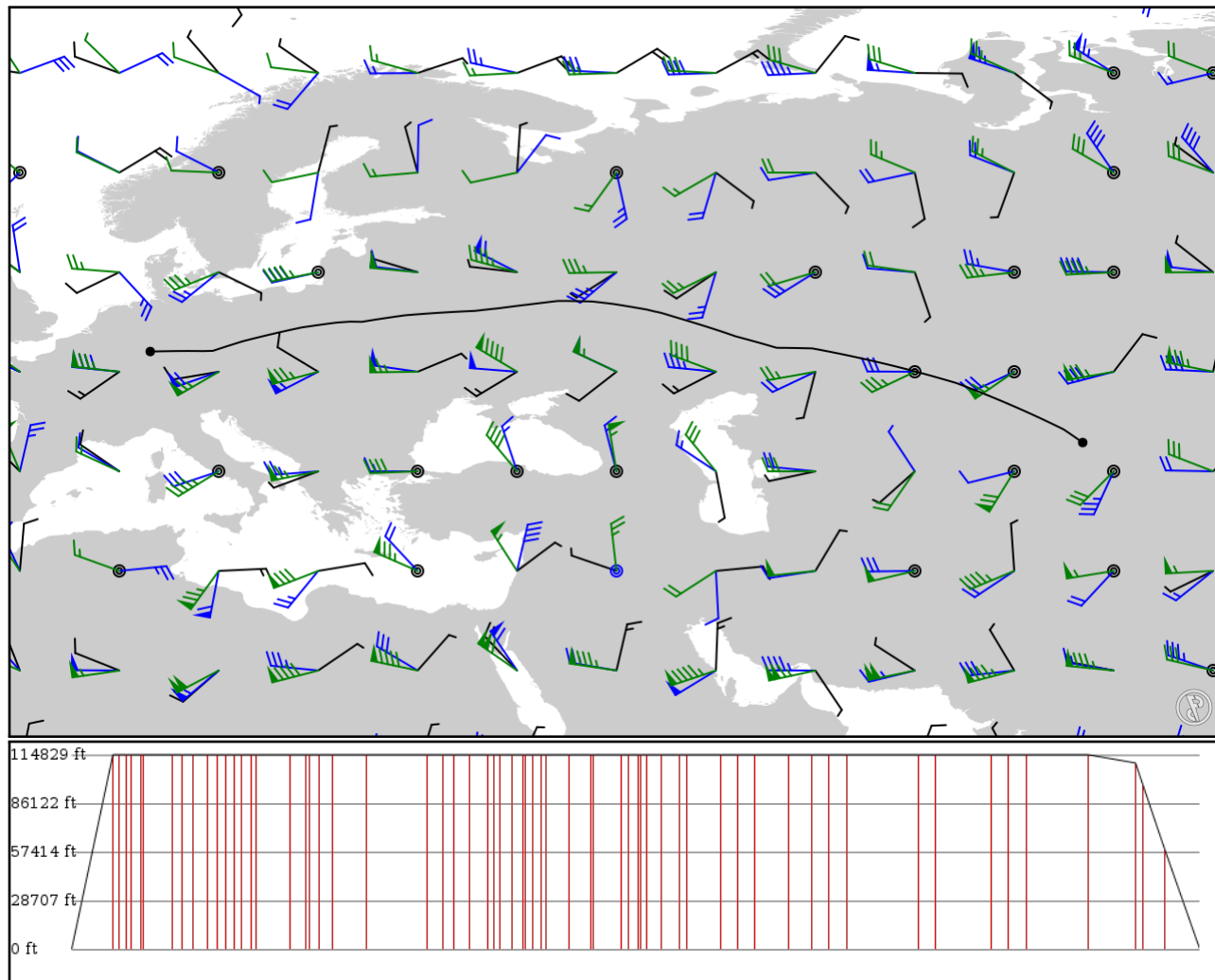


2024/05/02 1858Z

EDDF LONLI **UL984** OKG **L984** DOPOV **T46** DOKEI **N871** POLON **Z169** GERVI **P851** RAVOK **Z860** TOBLO **B365** GOLRI
G3 URL **A368** AKB **R366** DZG **W86** ADMUN UAAA

2785.80 nm / 5159.30 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		
LONLI	-	50.07470	35,000 ft	103	-
FIX	-	11.22640	10,668 m		
KULOK	UL984	50.07280	35,000 ft	15	-
FIX	AWY-HI	11.63050	10,668 m		
ABERU	UL984	50.06920	35,000 ft	17	-
FIX	AWY-HI	12.09370	10,668 m		
OKG	UL984	50.06510	35,000 ft	12	CHEB
VOR	AWY-HI	12.40570	10,668 m		
DONAD	L984	50.08080	35,000 ft	22	-
FIX	AWY-HI	13.00000	10,668 m		
DOPOV	L984	50.08080	35,000 ft	4	-
FIX	AWY-HI	13.12510	10,668 m		
DOKEL	T46	50.62760	35,000 ft	72	-
FIX	AWY-HI	14.82240	10,668 m		
LAGAR	N871	50.79530	35,000 ft	23	-
FIX	AWY-HI	15.36710	10,668 m		
RUDUB	N871	50.97310	35,000 ft	28	-
FIX	AWY-HI	16.06720	10,668 m		
MISKA	N871	51.18580	35,000 ft	35	-
FIX	AWY-HI	16.93440	10,668 m		
VAGSA	N871	51.33310	35,000 ft	24	-
FIX	AWY-HI	17.55580	10,668 m		
LUNUK	N871	51.44890	35,000 ft	20	-
FIX	AWY-HI	18.05750	10,668 m		
OKENO	N871	51.56970	35,000 ft	21	-
FIX	AWY-HI	18.59390	10,668 m		
ABAKU	N871	51.67690	35,000 ft	19	-
FIX	AWY-HI	19.08140	10,668 m		
POLON	N871	51.80000	35,000 ft	22	-
FIX	AWY-HI	19.65610	10,668 m		
XALUR	Z169	51.85080	35,000 ft	12	-
FIX	AWY-HI	19.99530	10,668 m		
GERVI	Z169	52.15530	35,000 ft	83	-
FIX	AWY-HI	22.20080	10,668 m		
ABERO	P851	52.22780	35,000 ft	37	-
FIX	AWY-HI	23.20890	10,668 m		
VALOL	P851	52.22470	35,000 ft	9	-
FIX	AWY-HI	23.46640	10,668 m		
RAVOK	P851	52.21310	35,000 ft	23	-
FIX	AWY-HI	24.09310	10,668 m		
MAPAT	Z860	52.35970	35,000 ft	33	-
FIX	AWY-HI	24.98470	10,668 m		
OGARA	Z860	52.68970	35,000 ft	84	-
FIX	AWY-HI	27.23810	10,668 m		
TOBLO	Z860	52.96830	35,000 ft	150	-
FIX	AWY-HI	31.35970	10,668 m		
GIBRA	B365	53.01640	35,000 ft	37	-
FIX	AWY-HI	32.39810	10,668 m		
LETRU	B365	53.10470	35,000 ft	28	-
FIX	AWY-HI	33.16640	10,668 m		
BANIP	B365	53.21310	35,000 ft	36	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	34.17640	10,668 m		
BERUN	B365	53.37470	35,000 ft	45	-
FIX	AWY-HI	35.42140	10,668 m		
RIMAK	B365	53.42810	35,000 ft	15	-
FIX	AWY-HI	35.85640	10,668 m		
UNORI	B365	53.47470	35,000 ft	14	-
FIX	AWY-HI	36.24810	10,668 m		
GD	B365	53.57330	35,000 ft	29	MALOYE SKURATOV
NDB	AWY-HI	37.05500	10,668 m		
GOMUR	B365	53.66330	35,000 ft	26	-
FIX	AWY-HI	37.79640	10,668 m		
UPIRA	B365	53.69060	35,000 ft	7	-
FIX	AWY-HI	38.01030	10,668 m		
US	B365	53.74470	35,000 ft	17	MURAVLYANKA
NDB	AWY-HI	38.49610	10,668 m		
AGLUR	B365	53.74500	35,000 ft	20	-
FIX	AWY-HI	39.06310	10,668 m		
NEMRI	B365	53.74000	35,000 ft	13	-
FIX	AWY-HI	39.43310	10,668 m		
GOLRI	B365	53.70440	35,000 ft	56	-
FIX	AWY-HI	41.02280	10,668 m		
OLOLA	G3	53.53170	35,000 ft	53	-
FIX	AWY-HI	42.50330	10,668 m		
UDEMI	G3	53.51670	35,000 ft	4	-
FIX	AWY-HI	42.61470	10,668 m		
LUKER	G3	53.20830	35,000 ft	69	-
FIX	AWY-HI	44.47330	10,668 m		
PNZ	G3	53.11380	35,000 ft	20	PENZA
VOR	AWY-HI	45.01770	10,668 m		
RUTEM	G3	52.97000	35,000 ft	22	-
FIX	AWY-HI	45.59670	10,668 m		
BUNAK	G3	52.94500	35,000 ft	5	-
FIX	AWY-HI	45.75000	10,668 m		
ARLEP	G3	52.86170	35,000 ft	13	-
FIX	AWY-HI	46.10500	10,668 m		
PEGAS	G3	52.58500	35,000 ft	37	-
FIX	AWY-HI	47.02170	10,668 m		
BATUR	G3	52.25170	35,000 ft	45	-
FIX	AWY-HI	48.13670	10,668 m		
ABARO	G3	52.12330	35,000 ft	17	-
FIX	AWY-HI	48.56170	10,668 m		
ARISA	G3	51.49000	35,000 ft	82	-
FIX	AWY-HI	50.54830	10,668 m		
URL	G3	51.14870	35,000 ft	42	URALSK
VOR	AWY-HI	51.54380	10,668 m		
VEVIK	A368	50.86690	35,000 ft	43	-
FIX	AWY-HI	52.59140	10,668 m		
SIVKO	A368	50.30750	35,000 ft	82	-
FIX	AWY-HI	54.56360	10,668 m		
LARPI	A368	50.28920	35,000 ft	57	-
FIX	AWY-HI	56.06250	10,668 m		
AKB	A368	50.26340	35,000 ft	42	AKTOBE
VOR	AWY-HI	57.18190	10,668 m		
ADRAT	R366	50.05940	35,000 ft	43	-
FIX	AWY-HI	58.25780	10,668 m		
BEDRU	R366	49.11170	35,000 ft	178	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	62.61060	10,668 m		
GOSPA	R366	48.88220	35,000 ft	39	-
FIX	AWY-HI	63.54250	10,668 m		
DINBO	R366	48.00810	35,000 ft	139	-
FIX	AWY-HI	66.77970	10,668 m		
DZG	R366	47.72140	35,000 ft	43	ZHEZKAZGAN
VOR	AWY-HI	67.76150	10,668 m		
BELSO	W86	47.36810	35,000 ft	43	-
FIX	AWY-HI	68.68670	10,668 m		
DODUL	W86	46.06000	35,000 ft	153	-
FIX	AWY-HI	71.88530	10,668 m		
TENRO	W86	44.99810	33,500 ft	117	-
FIX	AWY-HI	74.23560	10,211 m		
ANELI	W86	44.83220	29,600 ft	17	-
FIX	AWY-HI	74.58610	9,022 m		
ADMUN	W86	44.32060	18,000 ft	54	-
FIX	AWY-HI	75.64000	5,486 m		
UAAA	-	43.35550	0 ft	84	Almaty Intl
APT	-	77.04390	0 m		

EDDF

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

Elevation: 362 ft / 110 m
Location: 50.032600 8.540670
Magnetic Var: 3.170 E

METAR

EDDF 021820Z AUTO 25017KT 8000 SHRA VCTS FEW///CB 15/14 Q1000 RETS BECMG NSW

TAF

TAF TAF EDDF 021700Z 0218/0324 21011KT 9999 BKN030 TEMPO 0218/0220 SHRA BKN030CB PROB30 TEMPO 0218/0220 23015G25K

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

UAAA

Region: KAZAKHSTAN AND KYRGYZSTAN
Timezone: ASIA/ALMATY
Runways: 2

Elevation: 2,238 ft / 682 m
Location: 43.355500 77.044000
Magnetic Var: 5.450 E

METAR

UAAA 021830Z 10002MPS 9999 FEW100 SCT200 11/07 Q1010 NOSIG

TAF

TAF UAAA 021701Z 0218/0318 21003MPS 9999 FEW100 TX25/0310Z TN08/0301Z TEMPO 0218/0303 15003MPS BECMG 0303/0304 35

Frequencies

REC - 129.80 MHz - ATIS	REC - 135.10 MHz - ATIS
GND - 121.70 MHz - ALMATY GROUND	TWR - 119.40 MHz - ALMATY TOWER
APP - 120.80 MHz - ALMATY RADAR	APP - 124.80 MHz - ALMATY APPROACH

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
05L	148 ft	14,768 ft	55.71	CONCRETE	0 ft	0 ft
	45 m	4,501 m	50.26		0 m	0 m
23R	148 ft	14,768 ft	235.74	CONCRETE	0 ft	0 ft
	45 m	4,501 m	230.29		0 m	0 m
05R	148 ft	14,409 ft	55.69	ASPHALT	0 ft	246 ft
	45 m	4,392 m	50.24		0 m	75 m
23L	148 ft	14,409 ft	235.72	ASPHALT	0 ft	246 ft
	45 m	4,392 m	230.27		0 m	75 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
05L	LOC-ILS	IMA	109.10 MHz	18 nm	55.73	-	2,238 ft
				33 km	50.28		2,238 m
05R	LOC-ILS	ILM	110.30 MHz	18 nm	55.71	-	2,238 ft
				33 km	50.26		2,238 m
23L	LOC-ILS	IAL	108.10 MHz	18 nm	235.71	-	2,238 ft
				33 km	230.26		2,238 m
23R	LOC-ILS	IAA	111.30 MHz	18 nm	235.73	-	2,238 ft
				33 km	230.28		2,238 m
05L	GS	IMA	109.10 MHz	10 nm	55.73	3.00	2,238 ft
				19 km	50.28		2,238 m
05R	GS	ILM	110.30 MHz	10 nm	55.71	3.00	2,238 ft
				19 km	50.26		2,238 m
23L	GS	IAL	108.10 MHz	10 nm	235.71	3.00	2,238 ft
				19 km	230.26		2,238 m
23R	GS	IAA	111.30 MHz	10 nm	235.73	3.00	2,238 ft
				19 km	230.28		2,238 m