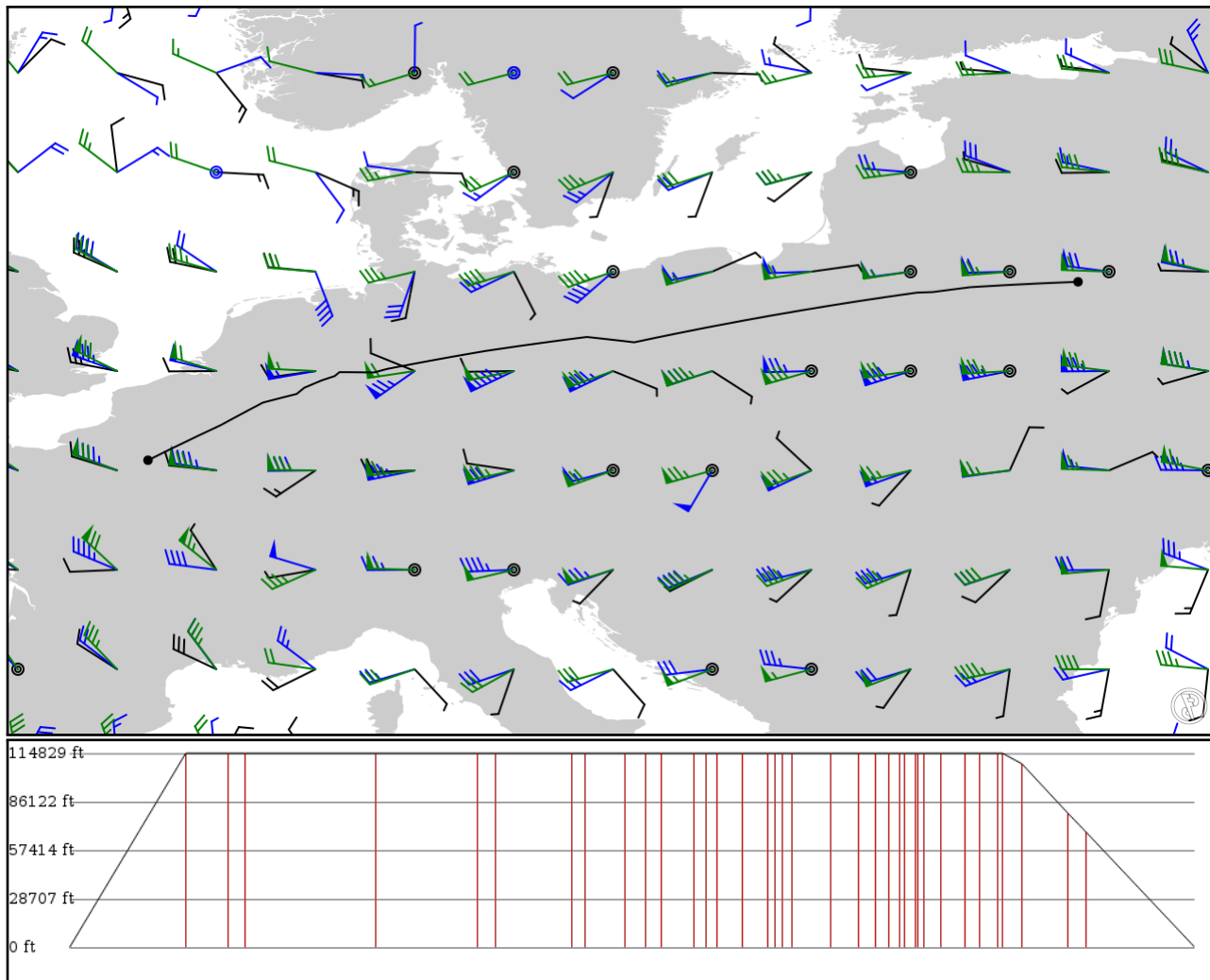


2024/05/29 0142Z

UMMS PEPAR T117 GRD L979 KELOD L980 SUBIX UZ20 MAG Z92 WRB P12 ESADU Z858 BARAG M170 NVO UM170
PODAT M170 LNO UZ707 FAMEN LFPG

1007.93 nm / 1866.69 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
UMMS	-	53.88760	0 ft	-	Minsk National
APT	-	28.04120	0 m		
PEPAR	-	53.74140	35,000 ft	104	-
FIX	-	25.09970	10,668 m		
GRD	T117	53.60760	35,000 ft	37	HRODNA
VOR	AWY-HI	24.05590	10,668 m		
ENOB	L979	53.59280	35,000 ft	15	-
FIX	AWY-HI	23.62970	10,668 m		
BAVNU	L979	53.10780	35,000 ft	117	-
FIX	AWY-HI	20.46330	10,668 m		
ATKUN	L979	52.67720	35,000 ft	90	-
FIX	AWY-HI	18.07000	10,668 m		
UVNUL	L979	52.59220	35,000 ft	16	-
FIX	AWY-HI	17.63140	10,668 m		
KELOD	L979	52.23390	35,000 ft	67	-
FIX	AWY-HI	15.88330	10,668 m		
BAREP	L980	52.27110	35,000 ft	11	-
FIX	AWY-HI	15.56440	10,668 m		
SUBIX	L980	52.37970	35,000 ft	36	-
FIX	AWY-HI	14.58560	10,668 m		
IDOBA	UZ20	52.31670	35,000 ft	18	-
FIX	AWY-HI	14.08810	10,668 m		
SONUD	UZ20	52.26970	35,000 ft	13	-
FIX	AWY-HI	13.73250	10,668 m		
LULUL	UZ20	52.16400	35,000 ft	29	-
FIX	AWY-HI	12.95600	10,668 m		
ESIKA	UZ20	52.12390	35,000 ft	10	-
FIX	AWY-HI	12.67140	10,668 m		
BUROK	UZ20	52.08430	35,000 ft	10	-
FIX	AWY-HI	12.39740	10,668 m		
MAG	UZ20	51.99500	35,000 ft	22	MAGDEBURG
VOR	AWY-HI	11.79430	10,668 m		
IRKOX	Z92	51.89750	35,000 ft	21	-
FIX	AWY-LO	11.22720	10,668 m		
ABGUS	Z92	51.86710	35,000 ft	6	-
FIX	AWY-LO	11.05340	10,668 m		
LARET	Z92	51.83440	35,000 ft	7	-
FIX	AWY-LO	10.86930	10,668 m		
BOKSO	Z92	51.79670	35,000 ft	8	-
FIX	AWY-LO	10.65890	10,668 m		
LUXUX	Z92	51.63150	35,000 ft	34	-
FIX	AWY-LO	9.76462	10,668 m		
WRB	Z92	51.50570	35,000 ft	25	WARBURG
VOR	AWY-LO	9.11091	10,668 m		
ESADU	P12	51.41000	35,000 ft	14	-
FIX	AWY-LO	8.75611	10,668 m		
NUDGO	Z858	51.41360	35,000 ft	11	-
FIX	AWY-LO	8.44094	10,668 m		
ARNOP	Z858	51.41620	35,000 ft	9	-
FIX	AWY-LO	8.17887	10,668 m		
MABAB	Z858	51.41710	35,000 ft	4	-
FIX	AWY-LO	8.06777	10,668 m		
BARAG	Z858	51.41860	35,000 ft	9	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-LO	7.80861	10,668 m		
TUVTI	M170	51.38720	35,000 ft	2	-
FIX	AWY-LO	7.77028	10,668 m		
PADBA	M170	51.31170	35,000 ft	5	-
FIX	AWY-LO	7.67861	10,668 m		
BAMSU	M170	51.18880	35,000 ft	15	-
FIX	AWY-LO	7.30901	10,668 m		
NOSTU	M170	50.99000	35,000 ft	21	-
FIX	AWY-LO	6.84083	10,668 m		
NVO	M170	50.82270	35,000 ft	12	NOERVENICH
VOR	AWY-LO	6.63654	10,668 m		
KENUM	UM170	50.72250	35,000 ft	16	-
FIX	AWY-HI	6.23944	10,668 m		
PODAT	UM170	50.69580	35,000 ft	4	-
FIX	AWY-HI	6.13639	10,668 m		
LNO	M170	50.58580	33,100 ft	17	OLNO
VOR	AWY-LO	5.71028	10,089 m		
RASCA	UZ707	50.14570	24,200 ft	41	-
FIX	AWY-HI	4.88122	7,376 m		
FAMEN	UZ707	49.97500	20,800 ft	15	-
FIX	AWY-HI	4.56667	6,340 m		
LFPG	-	49.00970	0 ft	97	Paris Charles De Gaulle
APT	-	2.56257	0 m		

UMMS

Region: BELARUS AND RUSSIA (KALININGRAD OBLAST) Elevation: 681 ft / 208 m
Timezone: EUROPE/MINSK Location: 53.887600 28.041200
Runways: 2 Magnetic Var: 8.848 E

METAR

UMMS 290130Z 33001MPS 7000 2000N BCFG BR NSC 11/10 Q1017 NOSIG

TAF

TAF AMD UMMS 290111Z 2901/2924 VRB02MPS 9999 BKN020 TEMPO 2901/2906 0300 -SHRA FG FEW002 BKN015CB BECMG 2906/2908

Frequencies

REC - 128.85 MHz - MINSK 2 ATIS	REC - 135.85 MHz - MINSK 2 ATIS
GND - 121.57 MHz - MINSK GROUND	GND - 129.95 MHz - MINSK GROUND
TWR - 118.30 MHz - MINSK TOWER	TWR - 130.40 MHz - MINSK TOWER
APP - 125.90 MHz - MINSK APPROACH	APP - 125.25 MHz - MINSK RADAR

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
13L	197 ft	12,119 ft	138.84	CONCRETE	0 ft	0 ft
	60 m	3,694 m	129.99		0 m	0 m
31R	197 ft	12,119 ft	318.87	CONCRETE	0 ft	0 ft
	60 m	3,694 m	310.02		0 m	0 m
13R	197 ft	11,934 ft	138.79	CONCRETE	0 ft	0 ft
	60 m	3,637 m	129.95		0 m	0 m
31L	197 ft	11,934 ft	318.82	CONCRETE	0 ft	0 ft
	60 m	3,637 m	309.98		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
13L	LOC-ILS	IMDL	110.70 MHz	18 nm	138.86	-	681 ft
				33 km	130.01		681 m
13R	LOC-ILS	IVX	108.90 MHz	18 nm	138.82	-	681 ft
				33 km	129.97		681 m
31L	LOC-ILS	IGH	109.70 MHz	18 nm	318.82	-	681 ft
				33 km	309.97		681 m
31R	LOC-ILS	IMN	110.10 MHz	18 nm	318.86	-	681 ft
				33 km	310.01		681 m
13L	GS	IMDL	110.70 MHz	10 nm	138.86	3.00	681 ft
				19 km	130.01		681 m
13R	GS	IVX	108.90 MHz	10 nm	138.82	3.00	681 ft
				19 km	129.97		681 m
31L	GS	IGH	109.70 MHz	10 nm	318.82	3.00	681 ft
				19 km	309.97		681 m
31R	GS	IMN	110.10 MHz	10 nm	318.86	3.00	681 ft
				19 km	310.01		681 m

LFPG

Region: FRANCE
Timezone: EUROPE/PARIS
Runways: 4

Elevation: 392 ft / 119 m
Location: 49.009700 2.562570
Magnetic Var: 1.502 E

METAR

LFPG 290130Z 23014KT 9999 BKN016 BKN030 15/12 Q1015 NOSIG

TAF

TAF LFPG 282300Z 2900/3006 22010KT 9999 SCT020 BKN030 TX16/2915Z TN13/2904Z BECMG 2902/2904 BKN012 TEMPO 2904/2915

Frequencies

REC - 128.32 MHz - ATIS	REC - 127.12 MHz - ATIS
TWR - 120.90 MHz - DE GAULLE TOWER	TWR - 125.32 MHz - DE GAULLE TOWER
TWR - 119.62 MHz - DE GAULLE TOWER	TWR - 119.25 MHz - DE GAULLE TOWER
TWR - 118.65 MHz - DE GAULLE TOWER	TWR - 123.60 MHz - DE GAULLE TOWER
TWR - 120.65 MHz - DE GAULLE TOWER	GND - 121.90 MHz - DE GAULLE GROUND
GND - 125.30 MHz - DE GAULLE GROUND	GND - 121.70 MHz - DE GAULLE GROUND
CLD - 121.80 MHz - CLEARANCE DELIVERY	APP - 118.15 MHz - DE GAULLE APPROACH
APP - 119.85 MHz - DE GAULLE APPROACH	APP - 121.15 MHz - DE GAULLE APPROACH
APP - 125.82 MHz - DE GAULLE APPROACH	APP - 126.42 MHz - DE GAULLE APPROACH
DEP - 124.35 MHz - DE GAULLE DEPARTURE	DEP - 126.57 MHz - DE GAULLE DEPARTURE
DEP - 131.20 MHz - DE GAULLE DEPARTURE	DEP - 133.37 MHz - DE GAULLE DEPARTURE

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
08L	148 ft	13,713 ft	85.31	ASPHALT	0 ft	489 ft
	45 m	4,180 m	83.81		0 m	149 m
26R	148 ft	13,713 ft	265.35	ASPHALT	1,877 ft	279 ft
	45 m	4,180 m	263.85		572 m	85 m
09L	197 ft	8,866 ft	85.32	ASPHALT	0 ft	0 ft
	60 m	2,703 m	83.82		0 m	0 m
27R	197 ft	8,866 ft	265.35	ASPHALT	0 ft	0 ft
	60 m	2,703 m	263.84		0 m	0 m
08R	197 ft	8,833 ft	85.33	ASPHALT	0 ft	489 ft
	60 m	2,692 m	83.82		0 m	149 m
26L	197 ft	8,833 ft	265.35	ASPHALT	0 ft	486 ft
	60 m	2,692 m	263.85		0 m	148 m
09R	148 ft	13,746 ft	85.30	ASPHALT	0 ft	0 ft
	45 m	4,190 m	83.80		0 m	0 m
27L	148 ft	13,746 ft	265.34	ASPHALT	1,959 ft	0 ft
	45 m	4,190 m	263.84		597 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
08R	DME	DSE	108.55 MHz	18 nm	-	-	358 ft
				33 km	-		358 m
09L	DME	PNE	109.35 MHz	18 nm	-	-	392 ft
				33 km	-		392 m
09R	DME	CGE	110.10 MHz	18 nm	-	-	392 ft
				33 km	-		392 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
26L	DME	DSU	108.35 MHz	18 nm	-	-	338 ft
				33 km	-		338 m
27L	DME	CGW	110.70 MHz	18 nm	-	-	407 ft
				33 km	-		407 m
27R	DME	PNW	110.35 MHz	18 nm	-	-	392 ft
				33 km	-		392 m
08L	LOC-ILS	GLE	108.70 MHz	18 nm	85.33	-	392 ft
				33 km	83.83		392 m
08R	LOC-ILS	DSE	108.55 MHz	18 nm	85.34	-	392 ft
				33 km	83.84		392 m
09L	LOC-ILS	PNE	109.35 MHz	18 nm	85.33	-	392 ft
				33 km	83.83		392 m
09R	LOC-ILS	CGE	110.10 MHz	18 nm	85.32	-	392 ft
				33 km	83.82		392 m
26L	LOC-ILS	DSU	108.35 MHz	18 nm	265.34	-	392 ft
				33 km	263.84		392 m
26R	LOC-ILS	GAU	111.95 MHz	18 nm	265.33	-	392 ft
				33 km	263.83		392 m
27L	LOC-ILS	CGW	110.70 MHz	18 nm	265.32	-	392 ft
				33 km	263.82		392 m
27R	LOC-ILS	PNW	110.35 MHz	18 nm	265.33	-	392 ft
				33 km	263.83		392 m
08L	GS	GLE	108.70 MHz	10 nm	85.33	3.00	392 ft
				19 km	83.83		392 m
08R	GS	DSE	108.55 MHz	10 nm	85.34	3.00	392 ft
				19 km	83.84		392 m
09L	GS	PNE	109.35 MHz	10 nm	85.33	3.00	392 ft
				19 km	83.83		392 m
09R	GS	CGE	110.10 MHz	10 nm	85.32	3.00	392 ft
				19 km	83.82		392 m
26L	GS	DSU	108.35 MHz	10 nm	265.34	3.00	392 ft
				19 km	263.84		392 m
26R	GS	GAU	111.95 MHz	10 nm	265.33	3.00	392 ft
				19 km	263.83		392 m
27L	GS	CGW	110.70 MHz	10 nm	265.32	3.00	392 ft
				19 km	263.82		392 m
27R	GS	PNW	110.35 MHz	10 nm	265.33	3.00	392 ft
				19 km	263.83		392 m