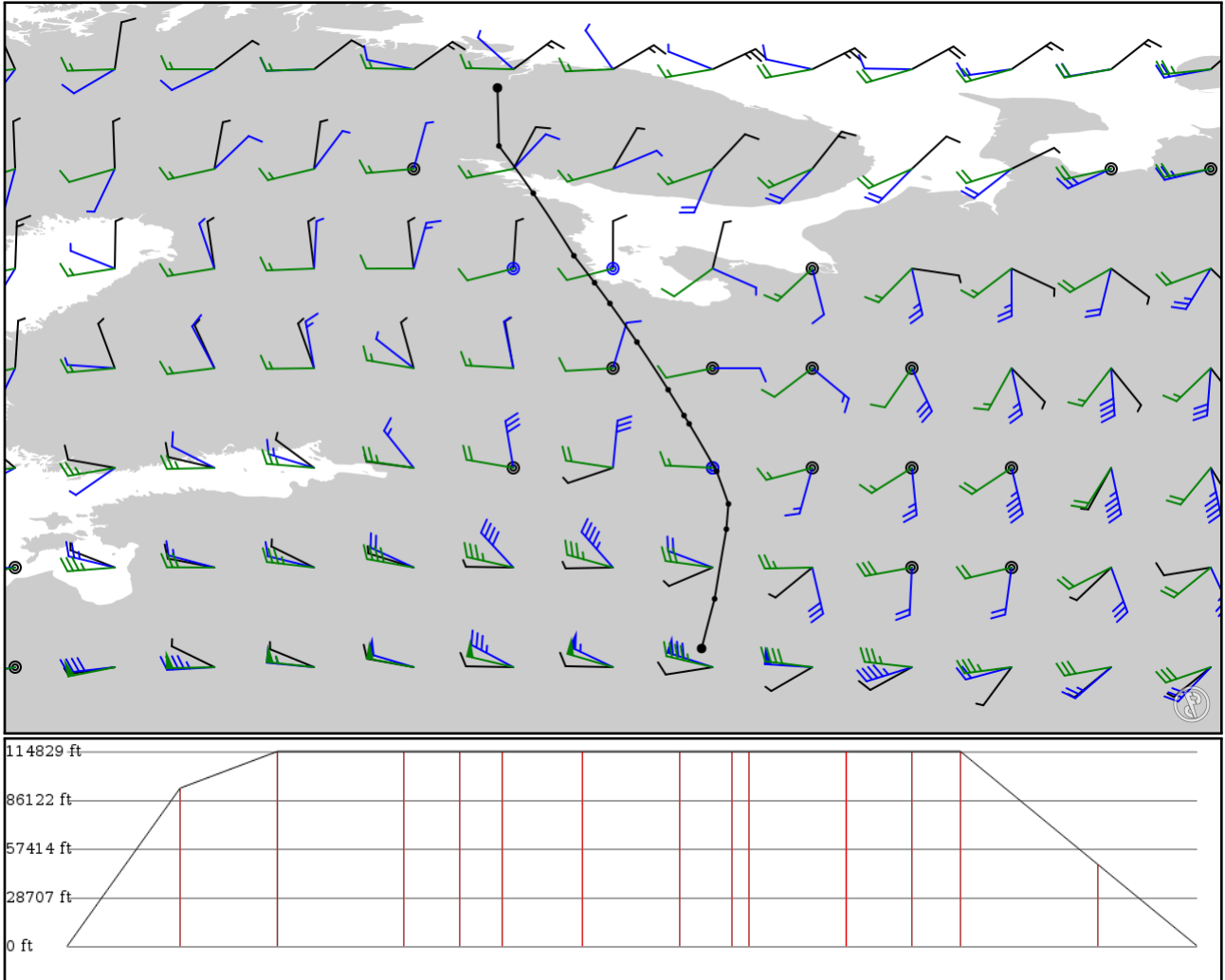


2024/05/02 1303Z

ULMM PILAN **G476** ULWC **B958** BD UUEE

790.18 nm / 1463.42 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
ULMM	-	68.78167	0 ft	-	Murmansk
APT	-	32.75082	0 m		
PILAN	-	67.45500	28,400 ft	79	-
FIX	-	32.78361	8,656 m		
MOVIT	G476	66.37333	35,000 ft	67	-
FIX	AWY-LO	33.56861	10,668 m		
KEM	G476	64.94667	35,000 ft	88	-
VOR	AWY-LO	34.49667	10,668 m		
DIDUL	G476	64.33000	35,000 ft	38	-
FIX	AWY-LO	34.96889	10,668 m		
TOGRU	G476	63.85667	35,000 ft	29	-
FIX	AWY-LO	35.31889	10,668 m		
OLATA	G476	62.97333	35,000 ft	55	-
FIX	AWY-LO	35.93750	10,668 m		
DIKAN	G476	61.88500	35,000 ft	68	-
FIX	AWY-LO	36.65083	10,668 m		
NOVRO	G476	61.29667	35,000 ft	36	-
FIX	AWY-LO	37.01250	10,668 m		
TEGRA	G476	61.10667	35,000 ft	11	-
FIX	AWY-LO	37.13000	10,668 m		
SU	G476	60.02000	35,000 ft	67	BELOZERSK NDB
NDB	AWY-LO	37.75944	10,668 m		
ULWC	G476	59.27667	35,000 ft	45	-
APT	AWY-LO	38.02833	10,668 m		
UNAKA	B958	58.70000	35,000 ft	34	-
FIX	AWY-LO	37.98111	10,668 m		
BD	B958	57.10778	14,700 ft	96	BOGDANOVO NDB
NDB	AWY-LO	37.71194	4,481 m		
UUEE	-	55.97264	0 ft	68	Moscou Sheremetyevo
APT	-	37.41459	0 m		

ULMM

Region: RUSSIA
Timezone: EUROPE/MOSCOW
Runways: 1

Elevation: 266 ft / 81 m
Location: 68.781800 32.751300
Magnetic Var: 17.235 E

METAR

ULMM 021230Z 04002MPS 9999 BKN030 01/M05 Q1028 R31/150050 NOSIG RMK QFE764

TAF

TAF ULMM 021050Z 0212/0312 03003G08MPS 9999 BKN020

Frequencies

APP - 127.40 MHz - MURMANSK APP ATIS

TWR - 120.30 MHz - MURMANSK TOWER

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
13	148 ft	8,195 ft	146.21	ASPHALT	0 ft	0 ft
	45 m	2,498 m	128.97		0 m	0 m
31	148 ft	8,195 ft	326.24	ASPHALT	0 ft	0 ft
	45 m	2,498 m	309.00		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
13	LOC-ILS	IPF	110.30 MHz	18 nm	146.23	-	266 ft
				33 km	129.00		266 m
31	LOC-ILS	IRD	108.50 MHz	18 nm	326.23	-	266 ft
				33 km	309.00		266 m
13	GS	IPF	110.30 MHz	10 nm	146.23	3.00	266 ft
				19 km	129.00		266 m
31	GS	IRD	108.50 MHz	10 nm	326.23	3.00	266 ft
				19 km	309.00		266 m

UUEE

Region: RUSSIA
Timezone: EUROPE/MOSCOW
Runways: 3

Elevation: 630 ft / 192 m
Location: 55.972500 37.413100
Magnetic Var: 11.974 E

METAR

UUEE 021230Z 34003G09MPS 270V060 9999 BKN047 10/M01 Q1017 R06R/CLRD62 R06C/CLRD62 NOSIG

TAF

TAF UUEE 021050Z 0212/0312 36005G10MPS 9999 SCT035 TX13/0213Z TN01/0303Z TEMPO 0212/0215 02009G15MPS TEMPO 0306/0312 02009G15MPS

Frequencies

REC - 122.07 MHz - SHEREMETYEVO ATIS ARRIVAL	REC - 125.12 MHz - SHEREMETYEVO ATIS DEPARTURE
REC - 120.37 MHz - SHEREMETYEVO ATIS ARRIVAL	REC - 126.37 MHz - SHEREMETYEVO ATIS DEPARTURE
TWR - 131.50 MHz - SHEREMETYEVO TOWER	TWR - 120.70 MHz - SHEREMETYEVO TOWER
TWR - 118.70 MHz - SHEREMETYEVO TOWER	TWR - 119.30 MHz - SHEREMETYEVO TOWER
GND - 119.00 MHz - SHEREMETYEVO GROUND	GND - 121.80 MHz - SHEREMETYEVO GROUND
GND - 122.90 MHz - SHEREMETYEVO GROUND	GND - 121.90 MHz - SHEREMETYEVO APRON 1
GND - 123.60 MHz - SHEREMETYEVO APRON 2	GND - 130.35 MHz - SHEREMETYEVO APRON 3
GND - 134.55 MHz - SHEREMETYEVO APRON 4	CLD - 128.60 MHz -
CLD - 120.87 MHz -	SHEREMETYEVO CLEARANCE DELIVERY
SHEREMETYEVO CLEARANCE DELIVERY	APP - 122.70 MHz - SHEREMETYEVO RADAR
APP - 135.17 MHz - SHEREMETYEVO RADAR	APP - 118.10 MHz - SHEREMETYEVO RADAR
APP - 126.60 MHz - SHEREMETYEVO RADAR	APP - 120.67 MHz - SHEREMETYEVO RADAR
APP - 127.20 MHz - MOSCOW APPROACH	APP - 128.00 MHz - MOSCOW APPROACH
APP - 134.00 MHz - MOSCOW APPROACH	APP - 131.20 MHz - MOSCOW APPROACH
APP - 118.95 MHz - MOSCOW APPROACH	APP - 118.55 MHz - MOSCOW APPROACH
APP - 130.37 MHz - MOSCOW APPROACH	APP - 124.20 MHz - MOSCOW APPROACH

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
06L	197 ft	10,467 ft	74.98	CONCRETE	0 ft	0 ft
	60 m	3,190 m	63.01		0 m	0 m
24R	197 ft	10,467 ft	255.02	CONCRETE	0 ft	0 ft
	60 m	3,190 m	243.05		0 m	0 m
06C	197 ft	11,611 ft	75.03	CONCRETE	0 ft	0 ft
	60 m	3,539 m	63.05		0 m	0 m
24C	197 ft	11,611 ft	255.07	CONCRETE	0 ft	0 ft
	60 m	3,539 m	243.10		0 m	0 m
06R	197 ft	12,101 ft	75.03	CONCRETE	0 ft	0 ft
	60 m	3,689 m	63.05		0 m	0 m
24L	197 ft	12,101 ft	255.07	CONCRETE	0 ft	0 ft
	60 m	3,689 m	243.10		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
06L	LOC-ILS	IMA	108.75 MHz	18 nm	75.00	-	630 ft
				33 km	63.03		630 m
06C	LOC-ILS	IMR	108.10 MHz	18 nm	75.05	-	630 ft
				33 km	63.08		630 m
06R	LOC-ILS	INL	109.10 MHz	18 nm	75.05	-	630 ft

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
				33 km	63.08		630 m
24L	LOC-ILS	IBW	110.50 MHz	18 nm	255.05	-	630 ft
				33 km	243.08		630 m
24C	LOC-ILS	IAD	111.30 MHz	18 nm	255.05	-	630 ft
				33 km	243.08		630 m
24R	LOC-ILS	IBR	109.35 MHz	18 nm	255.00	-	630 ft
				33 km	243.03		630 m
06L	GS	IMA	108.75 MHz	10 nm	75.00	3.00	630 ft
				19 km	63.03		630 m
06C	GS	IMR	108.10 MHz	10 nm	75.05	2.98	630 ft
				19 km	63.08		630 m
06R	GS	INL	109.10 MHz	10 nm	75.05	2.98	630 ft
				19 km	63.08		630 m
24L	GS	IBW	110.50 MHz	10 nm	255.05	2.98	630 ft
				19 km	243.08		630 m
24C	GS	IAD	111.30 MHz	10 nm	255.05	2.98	630 ft
				19 km	243.08		630 m
24R	GS	IBR	109.35 MHz	10 nm	255.00	3.00	630 ft
				19 km	243.03		630 m