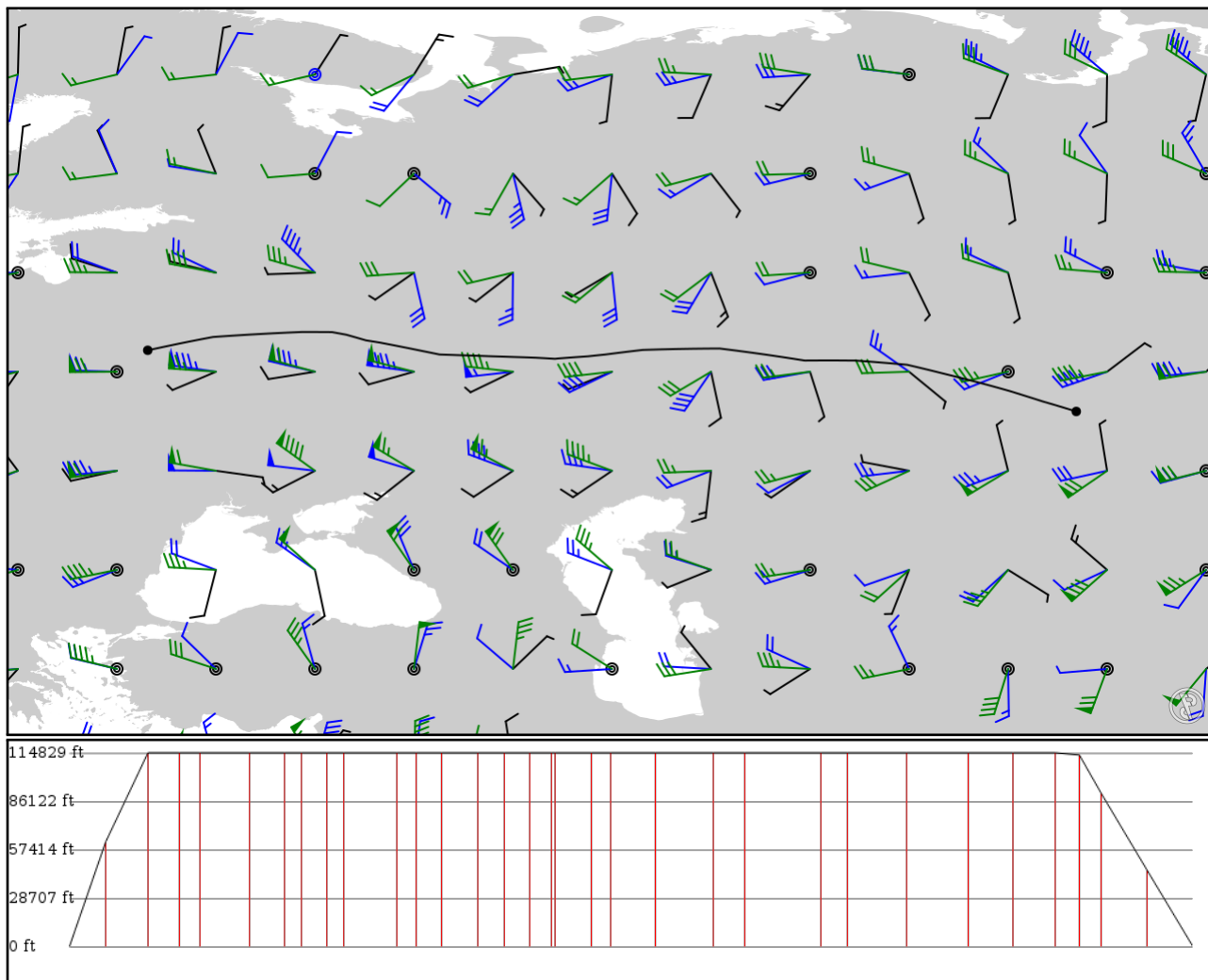


2024/05/22 0529Z

UMMS SODKO **M863** ASKIL **B102** UK **R11** FV **G3** QL **B365** SL **G549** LP **G234** MGR **G351** TITUR **G111** DIDAL UACC

1601.86 nm / 2966.65 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	-	53.88255	0 ft	-	Minsk Velikiydvor
APT	-	28.03079	0 m		
SODKO	-	54.18333	18,900 ft	52	-
FIX	-	29.44333	5,761 m		
ASKIL	M863	54.50333	35,000 ft	60	-
FIX	AWY-LO	31.08472	10,668 m		
RALOT	B102	54.58833	35,000 ft	44	-
FIX	AWY-LO	32.35000	10,668 m		
OGALI	B102	54.63639	35,000 ft	28	-
FIX	AWY-LO	33.15472	10,668 m		
UK	B102	54.73750	35,000 ft	71	YUKHNOV NDB
NDB	AWY-LO	35.22111	10,668 m		
IP	R11	54.73333	35,000 ft	49	ZAKHAROVKA NDB
NDB	AWY-LO	36.65000	10,668 m		
IN	R11	54.60889	35,000 ft	24	SUKHOTINO NDB
NDB	AWY-LO	37.32361	10,668 m		
FV	R11	54.34556	35,000 ft	35	VENEV NDB
NDB	AWY-LO	38.23861	10,668 m		
FE	G3	54.24028	35,000 ft	24	OKTYABRSKIY NDB
NDB	AWY-LO	38.90222	10,668 m		
OBESO	G3	53.83333	35,000 ft	76	-
FIX	AWY-LO	40.95417	10,668 m		
QL	G3	53.68333	35,000 ft	27	ALGASOVO NDB
NDB	AWY-LO	41.68333	10,668 m		
IBOTA	B365	53.65000	35,000 ft	35	-
FIX	AWY-LO	42.66667	10,668 m		
FI	B365	53.60000	35,000 ft	51	GOLITSYNO NDB
NDB	AWY-LO	44.11667	10,668 m		
BK	B365	53.56667	35,000 ft	38	LUNINO NDB
NDB	AWY-LO	45.20000	10,668 m		
NIKTA	B365	53.53333	35,000 ft	35	-
FIX	AWY-LO	46.19833	10,668 m		
ABLOR	B365	53.48333	35,000 ft	31	-
FIX	AWY-LO	47.08333	10,668 m		
ARKAS	B365	53.49833	35,000 ft	4	-
FIX	AWY-LO	47.21833	10,668 m		
BABAT	B365	53.60000	35,000 ft	50	-
FIX	AWY-LO	48.63333	10,668 m		
KS02	B365	53.68333	35,000 ft	28	-
APT	AWY-LO	49.43333	10,668 m		
SL	B365	53.90000	35,000 ft	63	SUKHODOL NDB
NDB	AWY-LO	51.18333	10,668 m		
AKESI	G549	53.95500	35,000 ft	82	-
FIX	AWY-LO	53.51167	10,668 m		
LP	G549	53.96667	35,000 ft	44	SHAFRANOVO NDB
NDB	AWY-LO	54.78333	10,668 m		
SINAD	G234	53.55861	35,000 ft	108	-
FIX	AWY-LO	57.75528	10,668 m		
MGR	G234	53.40417	35,000 ft	36	MAGNITOGORSK VOR-DME
VOR	AWY-LO	58.75750	10,668 m		
TITUR	G351	53.40167	35,000 ft	85	-
FIX	AWY-LO	61.15667	10,668 m		
UAUU	G111	53.20667	35,000 ft	86	KOSTANAY

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
APT	AWY-LO	63.55083	10,668 m		
DOKUT	G111	52.80389	35,000 ft	64	-
FIX	AWY-LO	65.20833	10,668 m		
LATKO	G111	52.41889	35,000 ft	60	-
FIX	AWY-LO	66.74083	10,668 m		
ATNON	G111	52.19694	34,600 ft	33	-
FIX	AWY-LO	67.56389	10,546 m		
ATBAN	G111	51.97333	27,700 ft	32	-
FIX	AWY-LO	68.36444	8,443 m		
DIDAL	G111	51.48556	13,800 ft	64	-
FIX	AWY-LO	69.91472	4,206 m		
UACC	-	51.02218	0 ft	64	Astana INTL
APT	-	71.46706	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: 8.846 E

METAR

UMMS 220500Z 08003MPS 040V110 CAVOK 15/13 Q1018 NOSIG

TAF

TAF UMMS 212301Z 2200/2224 VRB02MPS 8000 BKN030 TEMPO 2200/2206 VRB10MPS 0300 TSRA FG SQ FEW003 BKN015CB TEMPO 2206/2212 VRB02MPS 8000 BKN030

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

UACC

Region: KAZAKHSTAN AND KYRGYZSTAN
Timezone: ASIA/ALMATY
Runways: 1

Elevation: 1,166 ft / 355 m
Location: 51.022600 71.466200
Magnetic Var: 10.168 E

METAR

UACC 220500Z 22008MPS 9999 SCT030 17/08 Q1017 NOSIG RMK QFE732/0976

TAF

TAF UACC 212300Z 2200/2224 23006MPS 9999 SCT030 BKN050 TX20/2210Z TN08/2201Z TEMPO 2200/2203 3100 BR BKN005 BECMG

Frequencies

REC - 127.70 MHz - ATIS	REC - 128.30 MHz - ATIS
GND - 119.60 MHz - NUR-SULTAN GROUND	TWR - 118.70 MHz - NUR-SULTAN TOWER
APP - 124.60 MHz - NUR-SULTAN APPROACH	APP - 120.70 MHz - NUR-SULTAN RADAR

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
04	148 ft	11,482 ft	44.45	ASPHALT	0 ft	0 ft
	45 m	3,500 m	34.28		0 m	0 m
22	148 ft	11,482 ft	224.48	ASPHALT	0 ft	0 ft
	45 m	3,500 m	214.31		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
04	LOC-ILS	IMO	109.50 MHz	18 nm	44.47	-	1,166 ft
				33 km	34.30		1,166 m
22	LOC-ILS	IAK	111.70 MHz	18 nm	224.47	-	1,166 ft
				33 km	214.30		1,166 m
04	GS	IMO	109.50 MHz	10 nm	44.47	3.00	1,166 ft
				19 km	34.30		1,166 m
22	GS	IAK	111.70 MHz	10 nm	224.47	3.00	1,166 ft
				19 km	214.30		1,166 m