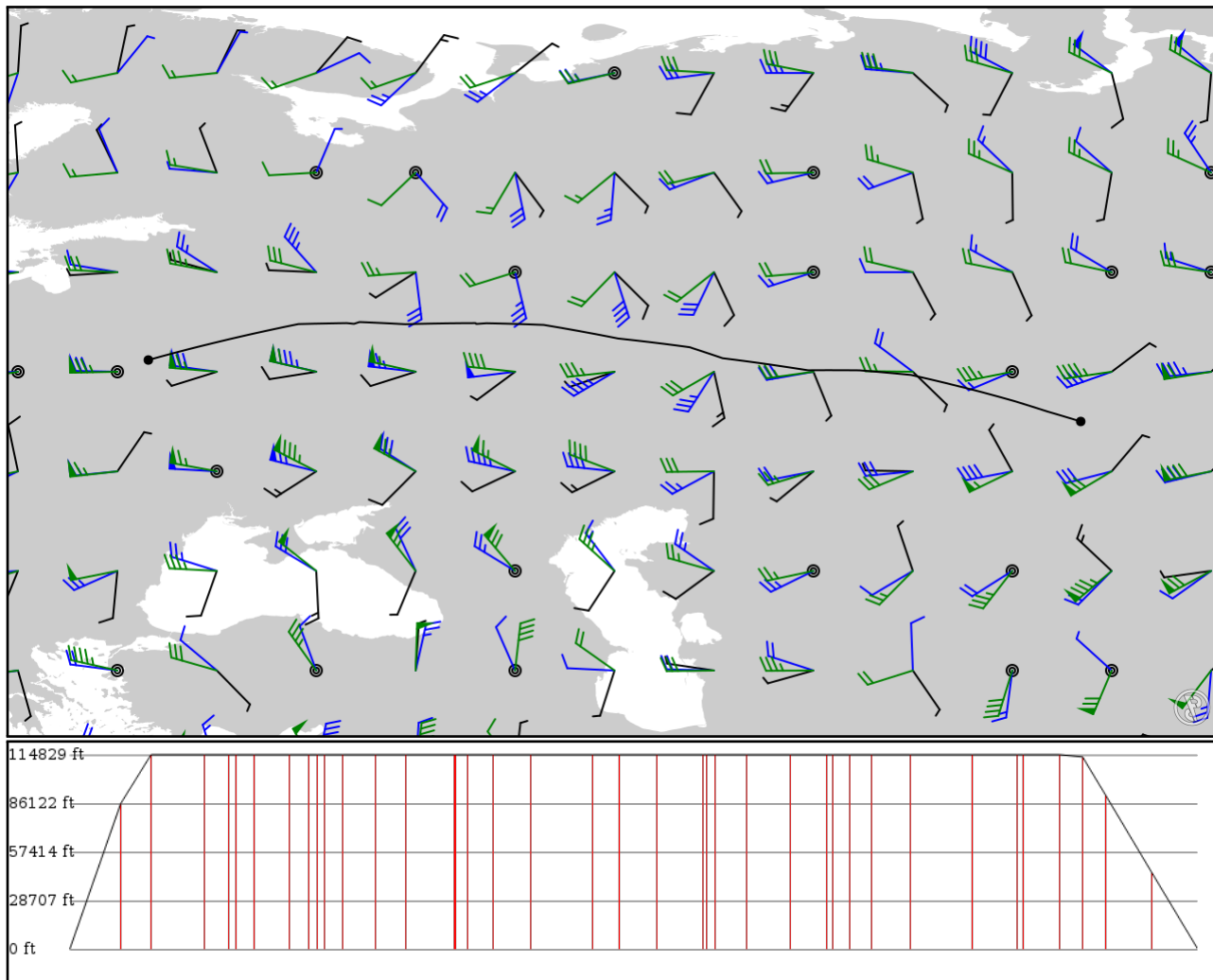


2024/05/16 0608Z

UMMS PASUD **T52** MOSON **A104** FK **FK3T** SF **A930** RUSAK GINOT **W7** MB **R480** UW **R493** RD **G234** MGR **B935** TITUR
G111 DIDAL UACC

1596.42 nm / 2956.57 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	-	53.88240	0 ft	-	Minsk National
APT	-	28.03080	0 m		
PASUD	-	54.39330	26,200 ft	73	-
FIX	-	29.93140	7,986 m		
MOSON	T52	54.66830	35,000 ft	42	-
FIX	AWY-HI	31.04140	10,668 m		
KOMOG	A104	55.14080	35,000 ft	75	-
FIX	AWY-HI	33.06670	10,668 m		
RUBAG	A104	55.34280	35,000 ft	34	-
FIX	AWY-HI	33.99720	10,668 m		
GUBON	A104	55.40250	35,000 ft	10	-
FIX	AWY-HI	34.27860	10,668 m		
FK	A104	55.55530	35,000 ft	26	GAGARIN
NDB	AWY-HI	35.02190	10,668 m		
DINEL	FK3T	55.58670	35,000 ft	49	-
FIX	AWY-HI	36.48310	10,668 m		
LUKOS	FK3T	55.60000	35,000 ft	26	-
FIX	AWY-HI	37.27140	10,668 m		
BITSA	FK3T	55.56670	35,000 ft	11	-
FIX	AWY-HI	37.61470	10,668 m		
GEKLA	FK3T	55.65000	35,000 ft	9	-
FIX	AWY-HI	37.86810	10,668 m		
DAKLO	FK3T	55.61670	35,000 ft	25	-
FIX	AWY-HI	38.63140	10,668 m		
SF	FK3T	55.54830	35,000 ft	46	CHERUSTI
NDB	AWY-HI	39.99690	10,668 m		
INLOR	A930	55.57810	35,000 ft	42	-
FIX	AWY-HI	41.25030	10,668 m		
RUSAK	A930	55.60000	35,000 ft	68	-
FIX	AWY-HI	43.27470	10,668 m		
GINOT	-	55.56170	35,000 ft	2	-
FIX	-	43.30810	10,668 m		
MB	W7	55.59440	35,000 ft	16	CHERNUKHA
NDB	AWY-HI	43.78060	10,668 m		
UD	R480	55.56940	35,000 ft	37	BUTURLINO
NDB	AWY-HI	44.87390	10,668 m		
UW	R480	55.51670	35,000 ft	53	SHUMERLYA
NDB	AWY-HI	46.44810	10,668 m		
OGRUD	R493	55.08140	35,000 ft	87	-
FIX	AWY-HI	48.89780	10,668 m		
RD	R493	54.88330	35,000 ft	37	BAZARNYYE-MATAKI
NDB	AWY-HI	49.91500	10,668 m		
ODLES	G234	54.71140	35,000 ft	53	-
FIX	AWY-HI	51.43060	10,668 m		
SONOT	G234	54.47670	35,000 ft	65	-
FIX	AWY-HI	53.26000	10,668 m		
OKTAP	G234	54.43330	35,000 ft	4	-
FIX	AWY-HI	53.38170	10,668 m		
OLKIM	G234	54.33000	35,000 ft	12	-
FIX	AWY-HI	53.69860	10,668 m		
GOPAR	G234	53.96690	35,000 ft	43	-
FIX	AWY-HI	54.78170	10,668 m		
BEROM	G234	53.74190	35,000 ft	62	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	56.50030	10,668 m		
SINAD	G234	53.54030	35,000 ft	50	-
FIX	AWY-HI	57.87810	10,668 m		
RITKA	G234	53.50670	35,000 ft	8	-
FIX	AWY-HI	58.10170	10,668 m		
MGR	G234	53.40430	35,000 ft	24	MAGNITOGORSK
VOR	AWY-HI	58.75760	10,668 m		
BURIG	B935	53.40860	35,000 ft	32	-
FIX	AWY-HI	59.65190	10,668 m		
TITUR	B935	53.40170	35,000 ft	53	-
FIX	AWY-HI	61.15670	10,668 m		
KST	G111	53.18690	35,000 ft	87	KOSTANAY
VOR	AWY-HI	63.56260	10,668 m		
DOKUT	G111	52.80390	35,000 ft	63	-
FIX	AWY-HI	65.20830	10,668 m		
GITNA	G111	52.74970	35,000 ft	8	-
FIX	AWY-HI	65.42170	10,668 m		
LATKO	G111	52.41890	35,000 ft	52	-
FIX	AWY-HI	66.74080	10,668 m		
ATNON	G111	52.19690	34,600 ft	33	-
FIX	AWY-HI	67.56390	10,546 m		
ATBAN	G111	51.97330	27,700 ft	32	-
FIX	AWY-HI	68.36440	8,443 m		
DIDAL	G111	51.48560	13,800 ft	64	-
FIX	AWY-HI	69.91470	4,206 m		
UACC	-	51.02250	0 ft	64	Astana International Airport
APT	-	71.46620	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: 8.843 E

METAR

UMMS 160530Z 30002MPS CAVOK 12/03 Q1028 NOSIG

TAF

TAF UMMS 160500Z 1606/1706 VRB02MPS 9999 SCT030 TEMPO 1608/1616 13003G08MPS TEMPO 1703/1706 30003MPS

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	130.00		0 m	0 m
31R	197 ft	12,119 ft	318.87	CONCRETE	0 ft	0 ft
	60 m	3,694 m	310.03		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	130.02		681 m
13R	LOC-ILS	IVX	108.90 MHz	18 nm	138.82	-	681 ft
				33 km	129.98		681 m
31L	LOC-ILS	IGH	109.70 MHz	18 nm	318.82	-	681 ft
				33 km	309.98		681 m
31R	LOC-ILS	IMN	110.10 MHz	18 nm	318.86	-	681 ft
				33 km	310.02		681 m
13L	GS	IMDL	110.70 MHz	10 nm	138.86	3.00	681 ft
				19 km	130.02		681 m
13R	GS	IVX	108.90 MHz	10 nm	138.82	3.00	681 ft
				19 km	129.98		681 m
31L	GS	IGH	109.70 MHz	10 nm	318.82	3.00	681 ft
				19 km	309.98		681 m
31R	GS	IMN	110.10 MHz	10 nm	318.86	3.00	681 ft
				19 km	310.02		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: 10.167 E

METAR

UACC 160530Z 09009MPS CAVOK 14/M01 Q1023 NOSIG RMK QFE736/0981

TAF

TAF UACC 160505Z 1606/1706 07008MPS CAVOK TX16/1610Z TN02/1701Z TEMPO 1606/1614 09009G14MPS FM161400 12004MPS 990

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