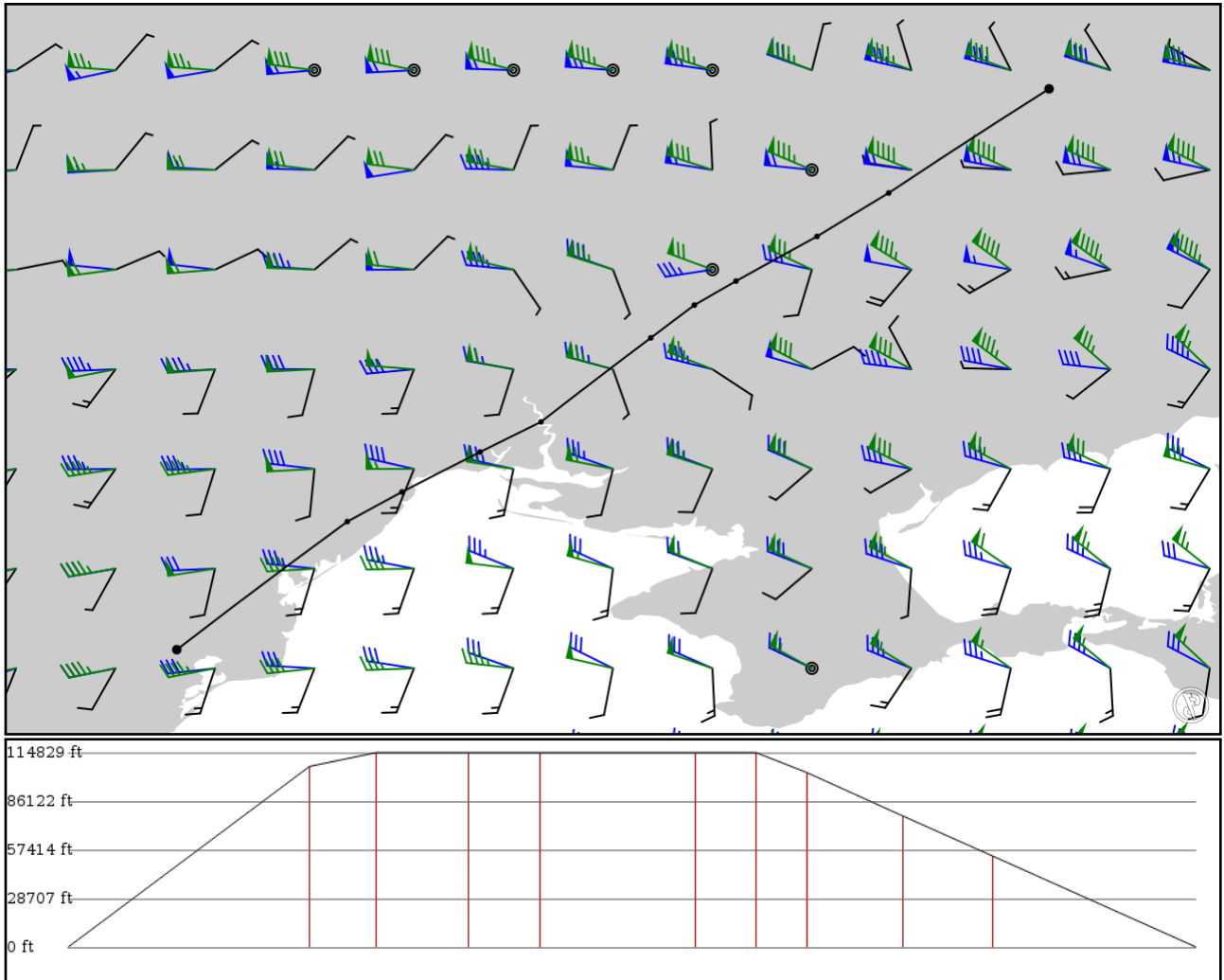


2024/05/18 0520Z

LRTC RATNO **M987** TOVPU UKHH

425.10 nm / 787.28 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
LRTC	-	45.06260	0 ft	-	Tulcea
APT	-	28.71450	0 m		
RATNO	-	46.17330	32,500 ft	91	-
FIX	-	30.19640	9,906 m		
ODS	M987	46.43030	35,000 ft	25	ODESA
VOR	AWY-HI	30.67080	10,668 m		
MOKAD	M987	46.77670	35,000 ft	34	-
FIX	AWY-HI	31.35000	10,668 m		
PEXON	M987	47.03720	35,000 ft	26	-
FIX	AWY-HI	31.87810	10,668 m		
KESAM	M987	47.76670	35,000 ft	58	-
FIX	AWY-HI	32.83330	10,668 m		
KVR	M987	48.05090	35,000 ft	22	KRYVYI RIH DME
DME	AWY-HI	33.21170	10,668 m		
ABVAM	M987	48.25890	31,400 ft	19	-
FIX	AWY-HI	33.57330	9,571 m		
ORSUS	M987	48.64610	23,600 ft	36	-
FIX	AWY-HI	34.27720	7,193 m		
TOVPU	M987	49.02310	16,400 ft	33	-
FIX	AWY-HI	34.90060	4,999 m		
UKHH	-	49.92580	0 ft	76	OSNOVA INTL
APT	-	36.29390	0 m		

## LRTC

Region: ROMANIA  
Timezone: EUROPE/BUCHAREST  
Runways: 1

Elevation: 200 ft / 61 m  
Location: 45.062600 28.714500  
Magnetic Var: 6.773 E

## METAR

LRTC 180500Z 12004KT 9999 FEW010 14/12 Q1019

## TAF

UNKNOWN

## Frequencies

TWR - 120.30 MHz - TULCEA TOWER

APP - 120.30 MHz - TUCEA APPROACH

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
16	148 ft	6,764 ft	167.56	ASPHALT	0 ft	0 ft
	45 m	2,062 m	160.79		0 m	0 m
34	148 ft	6,764 ft	347.56	ASPHALT	217 ft	0 ft
	45 m	2,062 m	340.79		66 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
34	LOC-ILS	ITC	110.70 MHz	18 nm	347.56	-	200 ft
				33 km	340.79		200 m
34	GS	ITC	110.70 MHz	10 nm	347.56	3.20	200 ft
				19 km	340.79		200 m

## UKHH

Region: UKRAINE  
Timezone: EUROPE/KIEV  
Runways: 2

Elevation: 507 ft / 155 m  
Location: 49.925800 36.293900  
Magnetic Var: 9.242 E

## METAR

UNKNOWN

## TAF

UNKNOWN

## Frequencies

REC - 127.60 MHz - KHARKIV ATIS  
TWR - 118.10 MHz - KHARKIV TWR  
APP - 123.70 MHz - KHARKIV RADAR

GND - 119.00 MHz - KHARKIV GND  
APP - 118.10 MHz - KHARKIV RADAR

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
07	164 ft	8,176 ft	82.71	CONCRETE	0 ft	164 ft
	50 m	2,492 m	73.47		0 m	50 m
25	164 ft	8,176 ft	262.73	CONCRETE	0 ft	164 ft
	50 m	2,492 m	253.49		0 m	50 m
08	165 ft	3,941 ft	90.41	CONCRETE	0 ft	0 ft
	50 m	1,201 m	81.17		0 m	0 m
26	165 ft	3,941 ft	270.42	CONCRETE	0 ft	131 ft
	50 m	1,201 m	261.18		0 m	40 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
07	DME	IHR	111.10 MHz	18 nm	-	-	0 ft
				33 km	-		0 m
25	DME	IHA	111.70 MHz	18 nm	-	-	0 ft
				33 km	-		0 m
08	LOC-ILS	IHR	111.10 MHz	18 nm	88.87	-	507 ft
				33 km	79.63		507 m
26	LOC-ILS	IHA	111.70 MHz	18 nm	270.23	-	507 ft
				33 km	260.99		507 m
08	GS	IHR	111.10 MHz	10 nm	90.83	2.80	507 ft
				19 km	81.59		507 m
26	GS	IHA	111.70 MHz	10 nm	270.83	2.80	507 ft
				19 km	261.59		507 m