

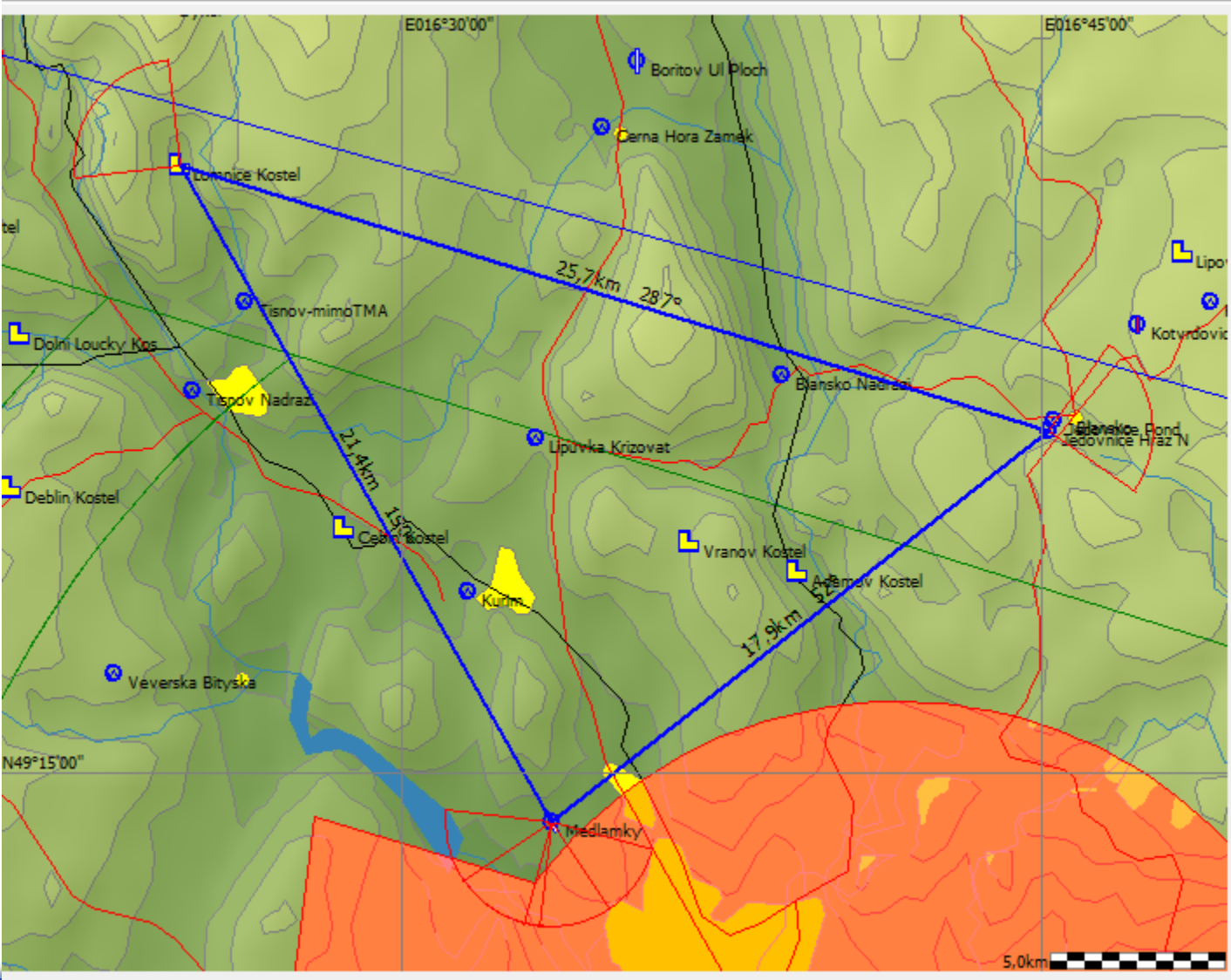
Prvé prelety ľahko a rýchlo

Roman Stoklasa

- Kedy na prvý prelet?
- Navigačné pomôcky – dobrý sluha, zlý pán

- Hneď keď si je človek dostatočne „istý“ v termike
- Prvé prelety = „okolo budy“

„Místní stovečka“ – Jedovnice-Lomnice

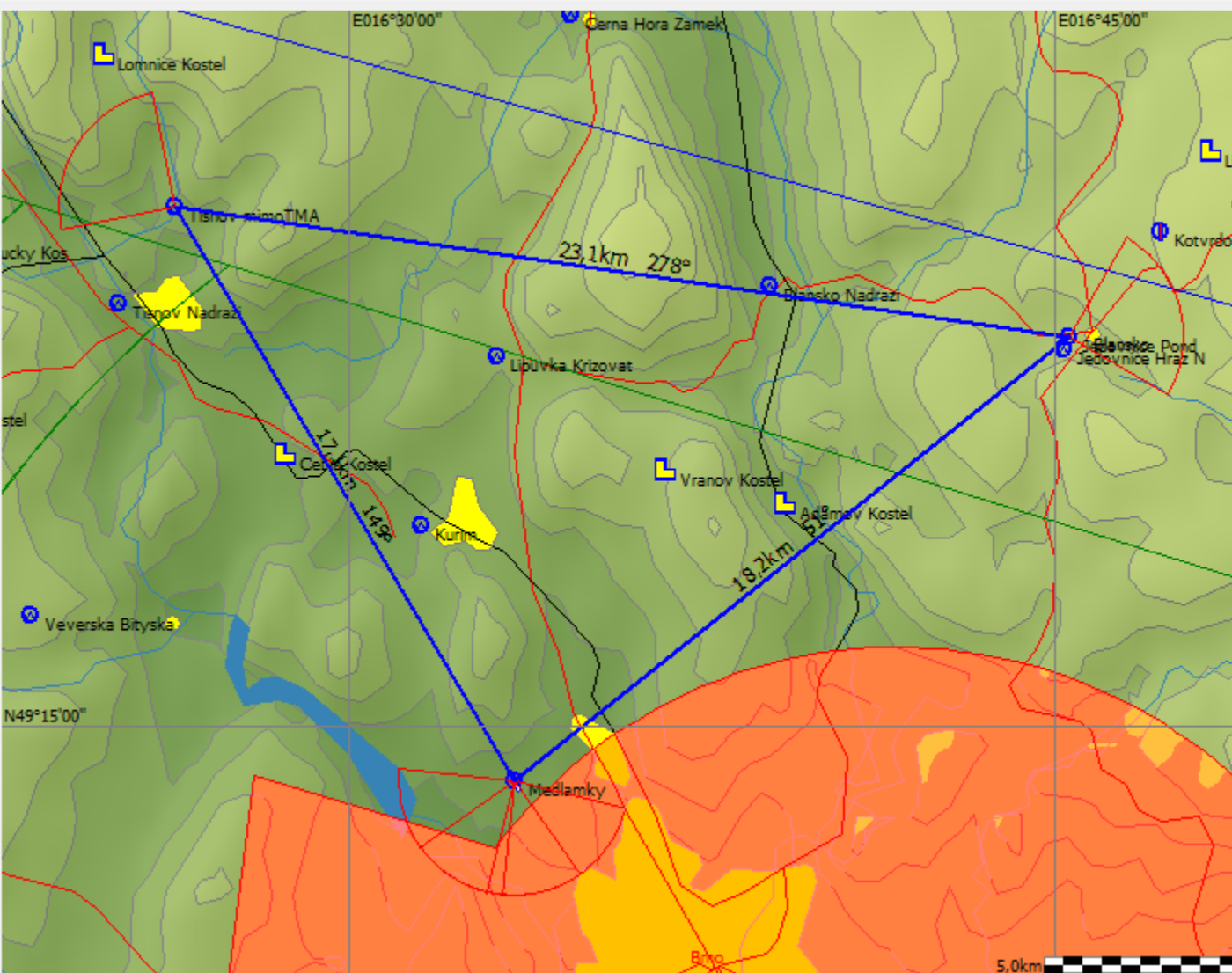


Informace o trati

S: Medlamky	
1: Jedovnice Hraz N	17,9km 52°
2: Lomnice Kostel	25,7km 287°
3: Medlamky	21,4km 150°
4: Jedovnice Hraz N	17,9km 52°
5: Lomnice Kostel	25,7km 287°
F: Medlamky	21,4km 150°

Délka tratě: 130,1km
Polygon, počet bodů: 5

„Místní stovečka“ – Jedovnice-Tišnov

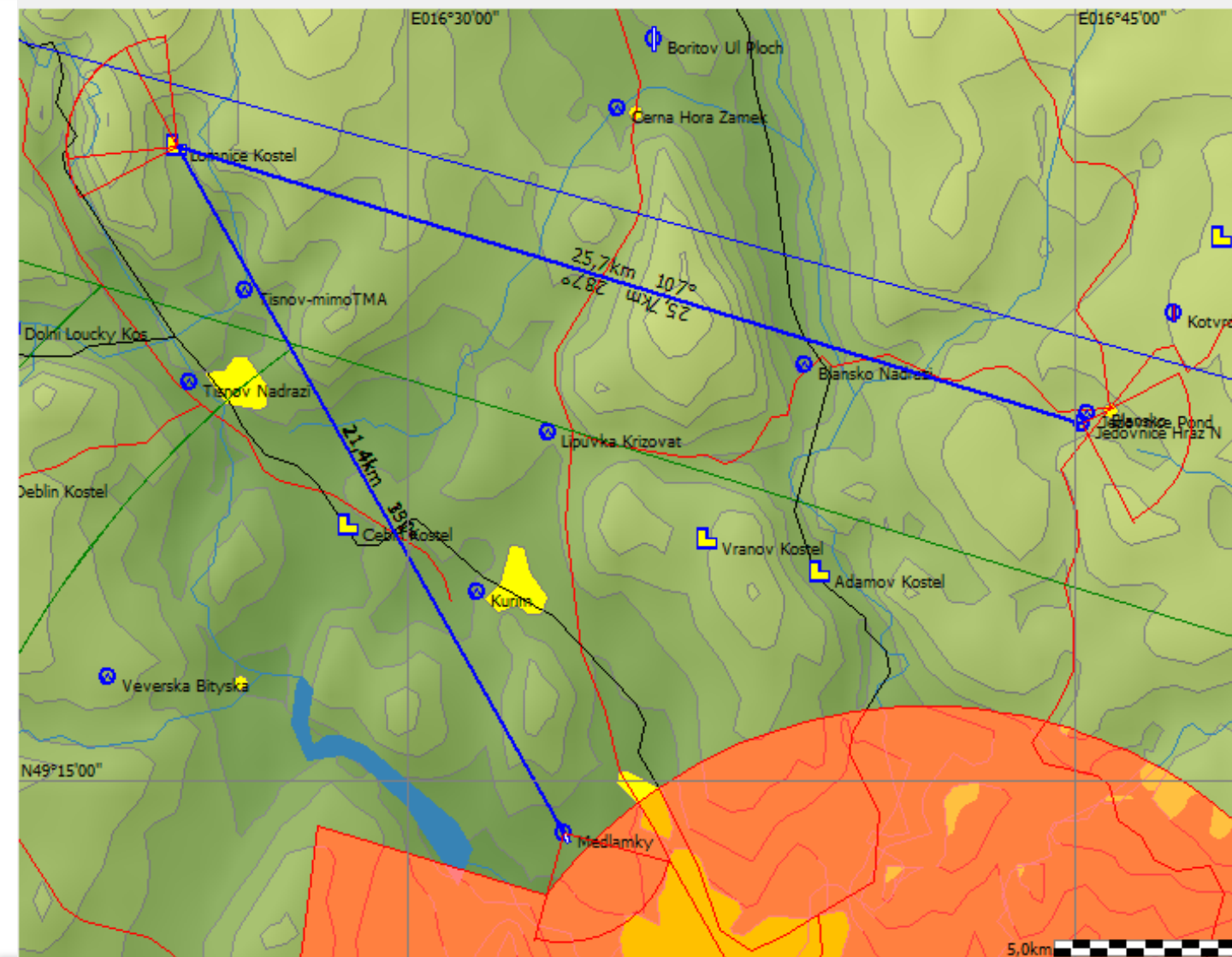


Informace o trati

S: Medlamky	
1: Jedovnice Pond	18,2km 51°
2: Tišnov-mimoTMA	23,1km 278°
3: Medlamky	17,1km 149°
4: Jedovnice Pond	18,2km 51°
5: Tišnov-mimoTMA	23,1km 278°
F: Medlamky	17,1km 149°

Délka tratě: 116,9km
Polygon, počet bodů: 5

„Místní stovečka“ – Jedovnice-Lomnice

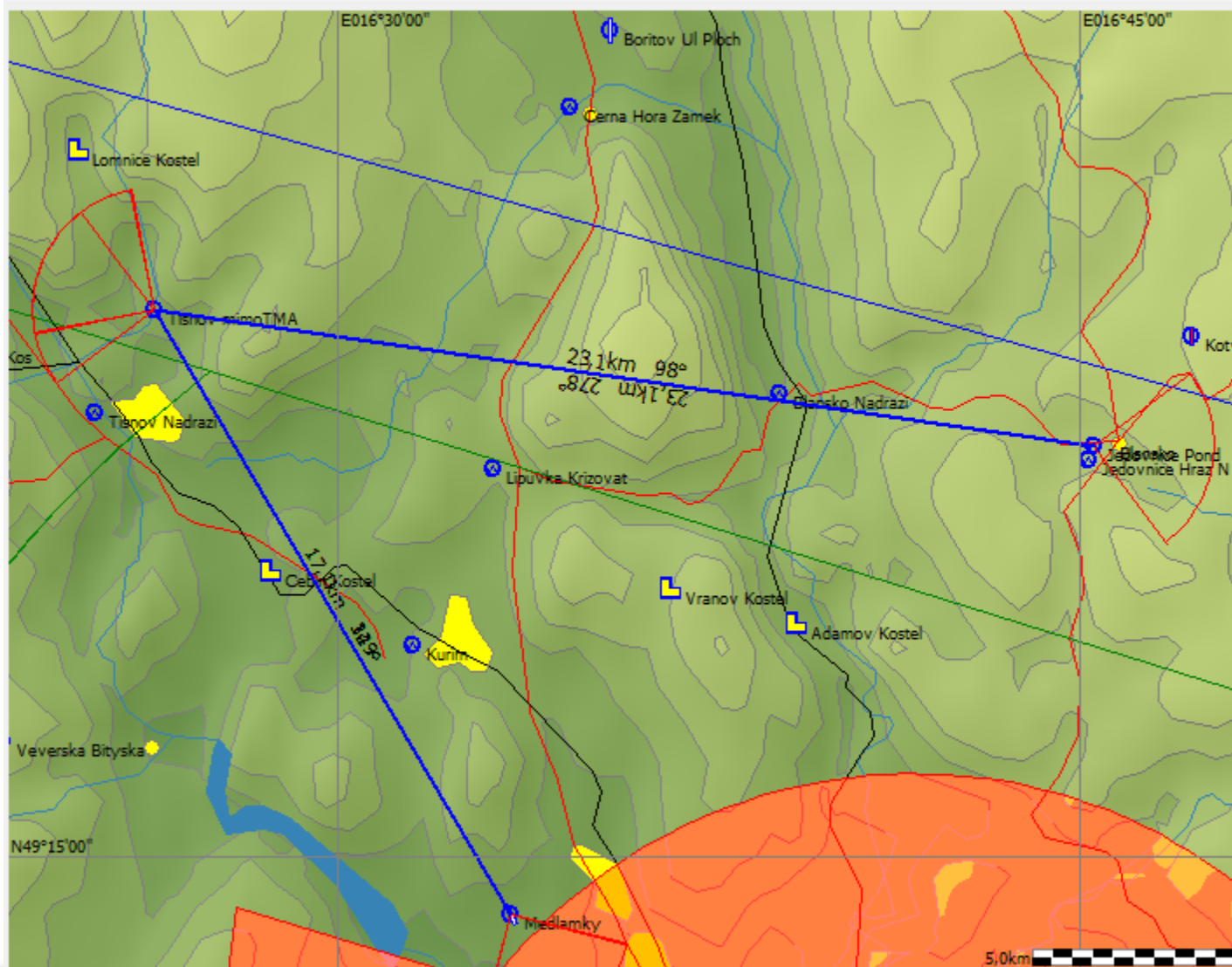


Informace o trati

S: Medlamky	
1: Lomnice Kostel	21,4km 331°
2: Jedovnice Hraz N	25,7km 107°
3: Lomnice Kostel	25,7km 287°
4: Jedovnice Hraz N	25,7km 107°
5: Lomnice Kostel	25,7km 287°
F: Medlamky	21,4km 150°

Délka tratě: 145,7km
Polygon, počet bodů: 5

„Místní stovečka“ – Jedovnice-Tišnov



Informace o trati

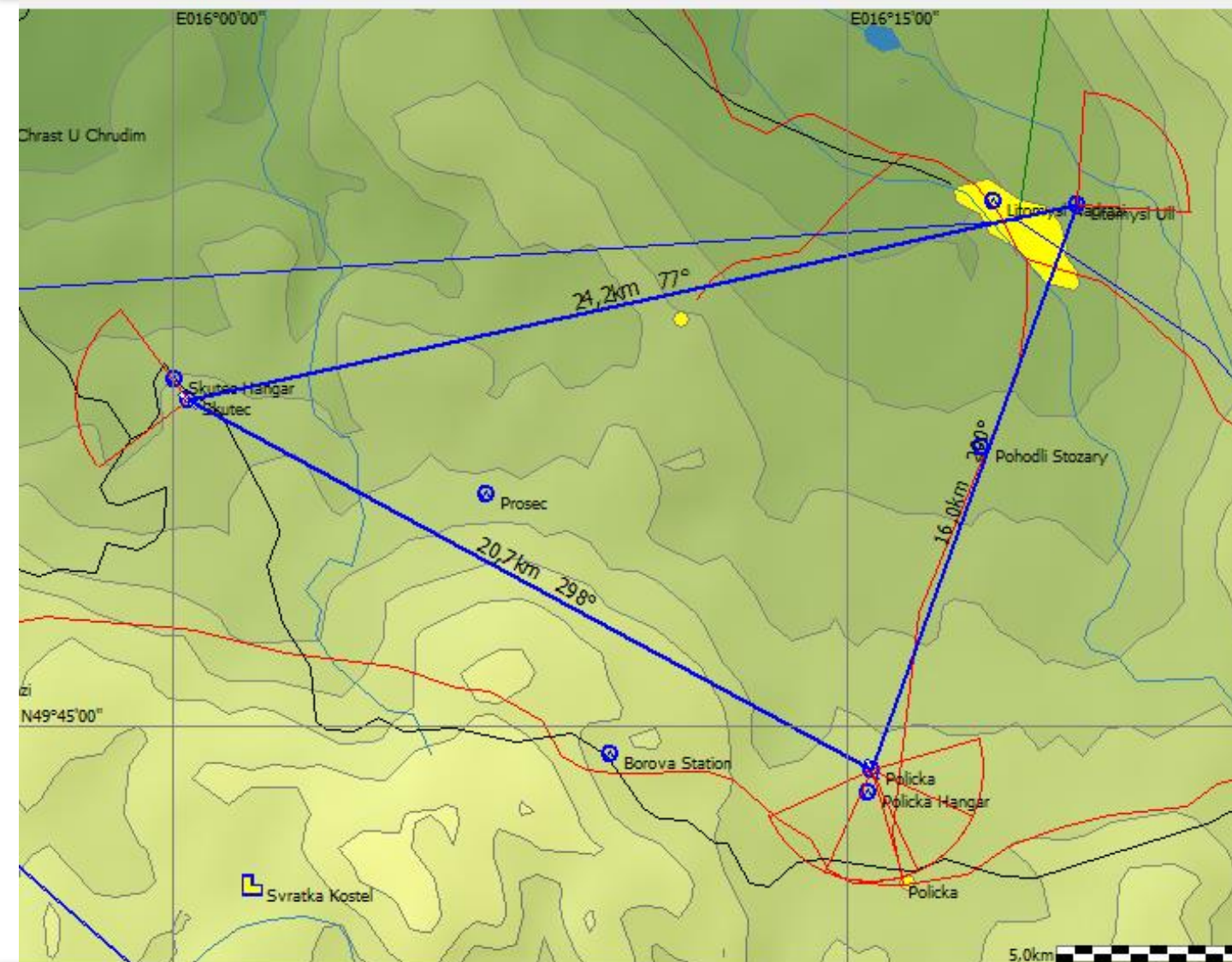
S: Medlamky	
1: Tisnov-mimoTMA	17,1km 329°
2: Jedovnice Pond	23,1km 98°
3: Tisnov-mimoTMA	23,1km 278°
4: Jedovnice Pond	23,1km 98°
5: Tisnov-mimoTMA	23,1km 278°
F: Medlamky	17,1km 149°

Délka tratě: 126,8km
Polygon, počet bodů: 5

„Místní stovečka“ – Polička-Skuteč-Litomyšl

Informace o trati

S: Policka	
1: Skuteč	20,7km 298°
2: Litomyšl Ull	24,2km 77°
3: Policka	16,0km 200°
4: Skuteč	20,7km 298°
5: Litomyšl Ull	24,2km 77°
F: Policka	16,0km 200°

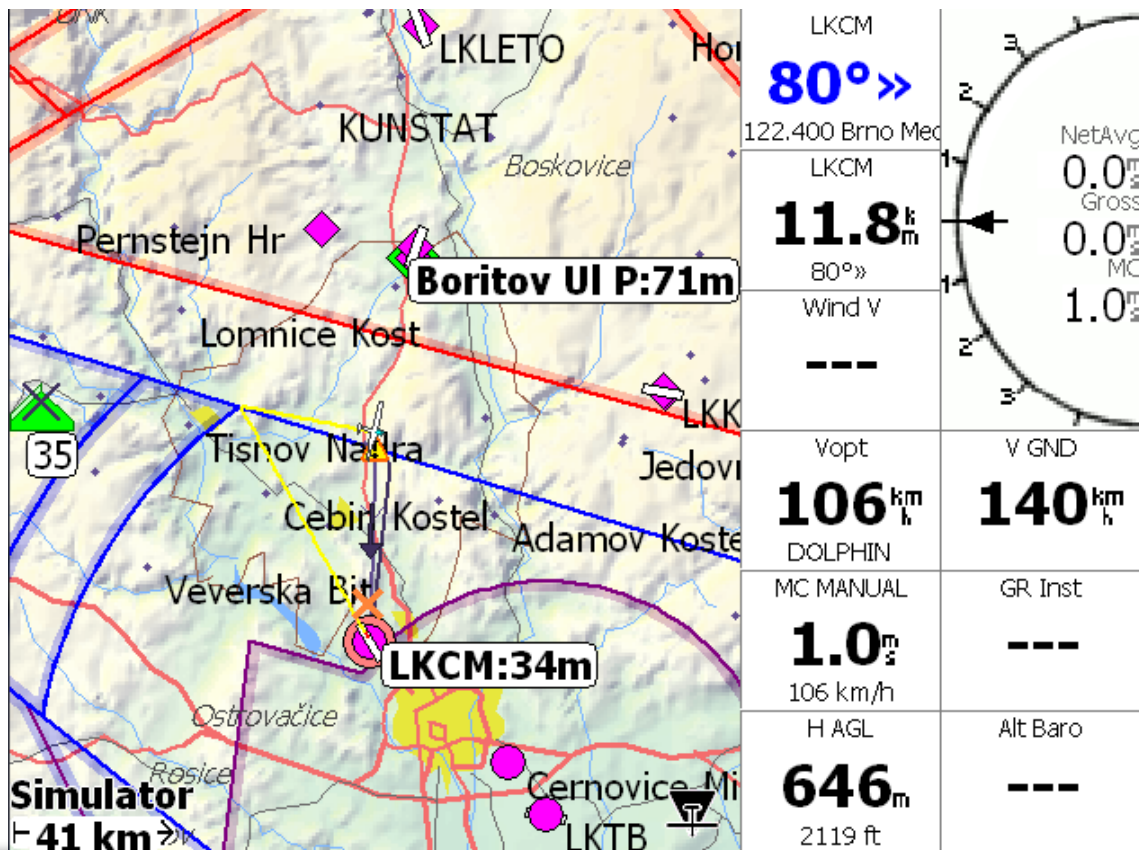


Délka tratě: 121,6km
Polygon, počet bodů: 5

- „Navigujeme zásadne podľa ICAO mapy...“
- ... možno ... nie úplne...
- XCSoar, LK8000, SeeYou Mobile, ...
 - Je ale **bezpodmienečne nutné** rozumieť, čo daný software robí a byť vždy krok pred ním

Navigačné pomôcky - software

- Dokl zomer
- Alternatívne pristávacie plochy



- Doklžomer
 - Polára
 - Nastavenie MC
 - Bezpečnostné faktory
- Alternatívne pristávacie plochy

Navigačné pomôcky - polára

- Teoretická vs. reálna kízavosť
- Zamušenie

Planes	
Close	OK-0931.xcp C:\Users\R\Documents\XCSoarData\planes\OK-0931.xcp
New	OK-5433.xcp C:\Users\R\Documents\XCSoarData\planes\OK-5433.xcp
Edit	OK-5550.xcp - Active C:\Users\R\Documents\XCSoarData\planes\OK-5550.xcp
Delete	OK-6555.xcp C:\Users\R\Documents\XCSoarData\planes\OK-6555.xcp
Activate	OK-6556.xcp C:\Users\R\Documents\XCSoarData\planes\OK-6556.xcp
	OK-6557.xcp C:\Users\R\Documents\XCSoarData\planes\OK-6557.xcp

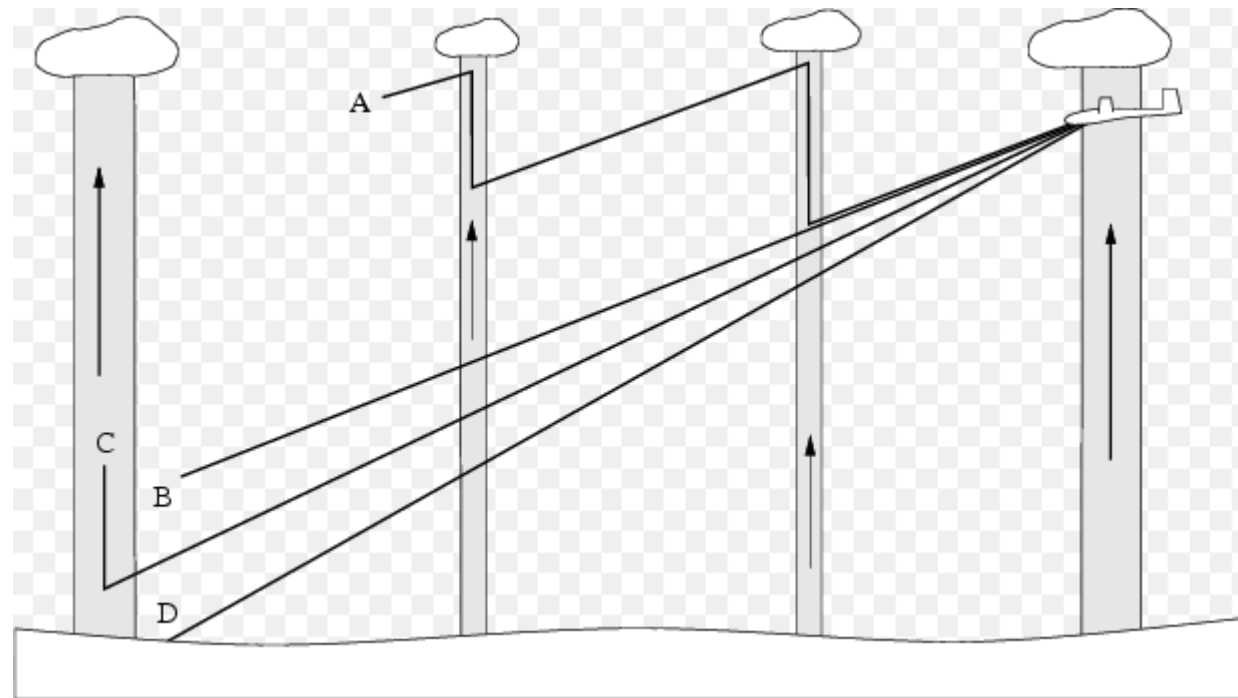
The screenshot displays a flight simulator interface. On the left, a map shows the region around Kunstat, Boskovice, and Protiváň, with various airports and landmarks marked. A flight setup menu is overlaid on the map, titled "Flight Setup - Blanik L23". The menu includes the following settings:

- Wing loading: 26.7 kg/m²
- Bugs: 10 %
- QNH: 1013 hPa
- Max. temp.: 25 °C

Below the map, the text "Simulator 41 km" is visible. On the right side, an instrument panel displays various flight parameters:

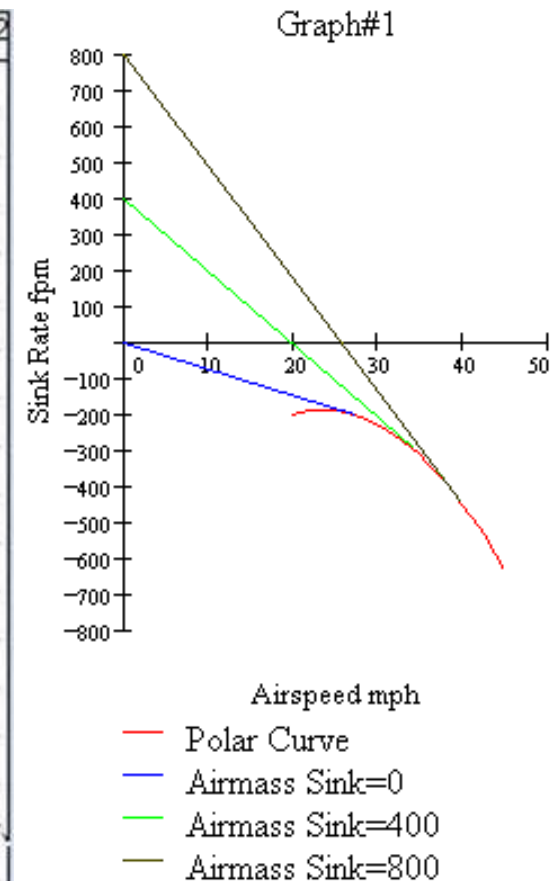
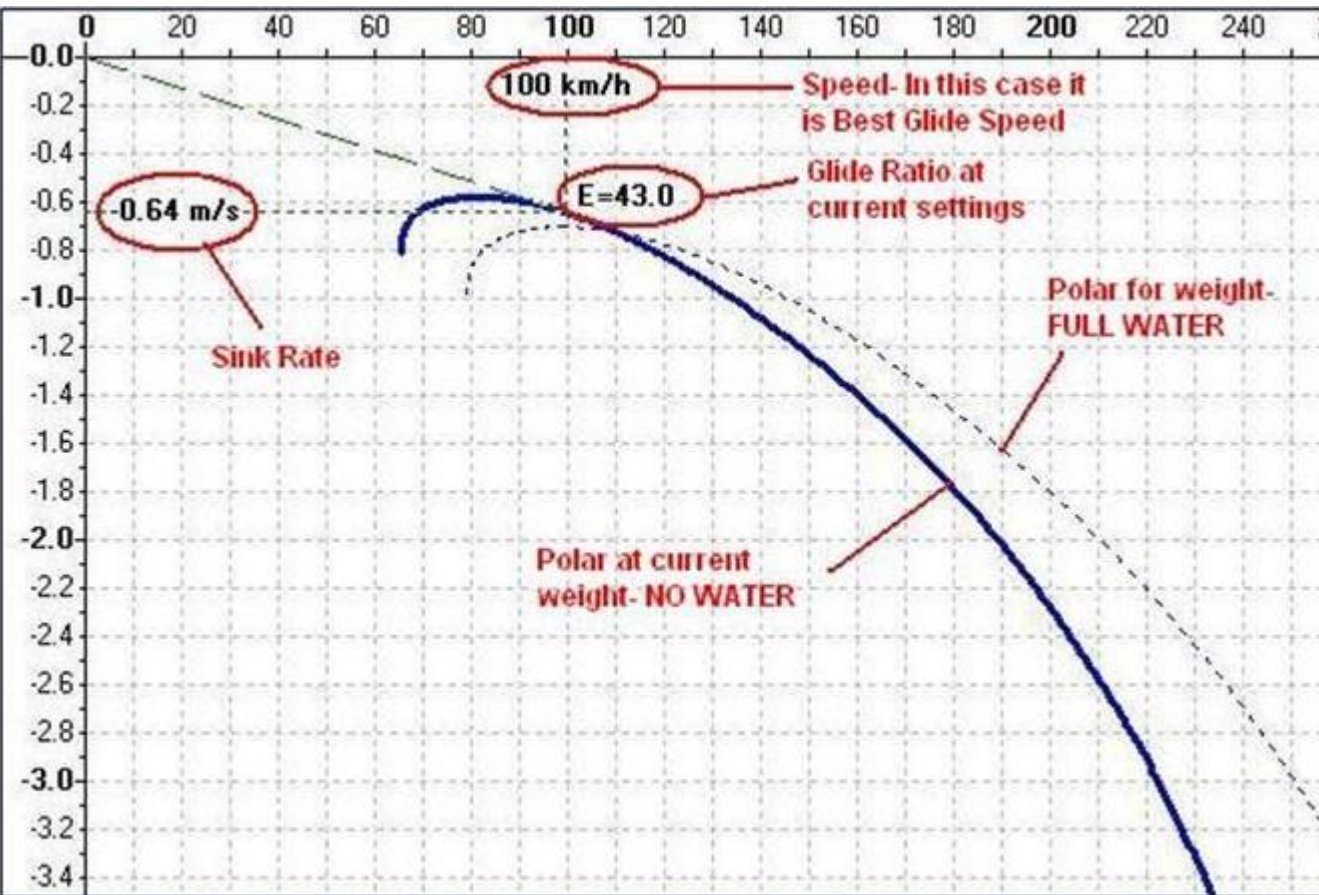
- LKCM: 112°»
- 122,400 Brno Med
- LKCM: 2.5 km
- NetAvg: 0.0 m
- Gross: 0.0 m
- MC: 1.0 m
- ind V: ---
- opt: 05 km
- V GND: 140 km
- PHIN: 0.0 m
- MANUAL: ---
- GR Inst: ---
- 105 km/h
- H AGL: 662 m (2172 ft)
- Alt Baro: ---

- MacCready teória
 - Optimalizačná úloha rýchlosti preletu



Nastavenie MC = odhad kízavosti

- Vyššie MC = nižšia predpokladaná kízavosť



Nastavenie MC = odhad kízavosti

The screenshot shows the XCSOAR flight simulator interface. On the left is a topographic map of the Brno region in the Czech Republic, with several airports marked: Boritov Ul (P:279m), LKKOTV (462m), LKCM (212m), Cernovice Mi (196m), and LKTB (108m). A green arrow indicates the aircraft's position near the 246 road. The right side of the window contains a data panel with the following information:

LKCM	122.400 Brno Mec	
<<2° LKCM 17.4 km «2° Wind V ---	NetAvg 0.0 m/s Gross 0.0 m/s MC 0.0 m/s	
Vopt	V GND	
94 km/h	35.8 km/h	
DOLPHIN	GR Inst	
MC MANUAL	---	
0.0 m/s 94 km/h		
H AGL	Alt GPS	
992m 3255 ft	1482m 4862 ft	

Nastavenie MC = odhad kízavosti

The screenshot shows the XCSOAR flight simulator interface. On the left is a topographic map of the Brno region in the Czech Republic, with several locations marked by colored icons and labels: Boritov Ul P:279m (green house icon), LKKOTV:468m (green glider icon), LKCM:205m (green circle icon), Cernovice Mi:192m (green circle icon), and LKTB:103m (green circle icon). A yellow line indicates the flight path. The right side of the interface contains a data panel with the following information:

LKCM	122.400 Brno Mec	
<<2° LKCM 17.5 km <<2° Wind V ---	NetAvg 0.0 m/s Gross 0.0 m/s MC 1.0 m/s	
Vopt	V GND	
106 km/h DOLPHIN MC MANUAL 1.0 m/s 106 km/h	35.8 km/h GR Inst ---	
H AGL	Alt GPS	
995 m 3264 ft	1482 m 4862 ft	

At the bottom left of the map area, there is a 'Simulator' label and a distance indicator: '41 km' with an arrow pointing right.

Nastavenie MC = odhad kízavosti

The screenshot shows the XCSOAR simulator interface. On the left is a topographic map of the Brno region in the Czech Republic, with several locations marked by colored diamonds and callouts: Boritov Ul P:275m (green), LKKOTV:477m (green), LKCM:196m (green), Cernovice Mi:185m (pink), and LKTB:98m (pink). A yellow arrow points from the LKCM location towards the LKKOTV location. The map also shows towns like Letovice Ul, Horni Stepan, Zbonek Nadra, BOSKOVICE, Protivanov K, DRAHAN, Lipuvka Kriz, JEDOVNICE, Adamov Koste, Lhota, Cebin Kostel, Pistovice, and Rousinov. A 'Simulator' icon with a right arrow and '41 km' is at the bottom left.

On the right is a data panel with the following information:

LKCM	122.400 Brno Mec	
<<2° LKCM 17.8 $\frac{km}{h}$ <<2° Wind V ---	NetAvg 0.0 $\frac{m}{s}$ Gross 0.0 $\frac{m}{s}$ MC 3.0 $\frac{m}{s}$	
Vopt	V GND	
127 $\frac{km}{h}$ DOLPHIN MC MANUAL 3.0 $\frac{m}{s}$ 127 km/h	35.8 $\frac{km}{h}$ GR Inst ---	
H AGL	Alt GPS	
1010 m 3314 ft	1482 m 4862 ft	

Nastavenie MC = odhad kízavosti

The screenshot shows the XCSOAR simulator interface. On the left is a topographic map with a flight path. Key waypoints and their altitudes are labeled: Boritov Ul P:275m, LKKOTV:483m, LKCM:190m, Cernovice Mi:180m, and LKTb:93m. A distance of 41 km is shown from the simulator to the start of the path. A -246m marker is also visible. The right panel contains the following data:

LKCM	122.400 Brno Mec	
LKCM	18.0 km	
Wp AltD	-246 m	NetAvg 0.0 m/s
Vopt	145 km/h	Gross 0.0 m/s
DOLPHIN	MC MANUAL	MC 5.0 m/s
H AGL	1032 m	5.0 m/s
Alt GPS	1482 m	
V GND	35.8 km/h	
GR Inst	---	

Nastavenie MC = odhad kízavosti

- Pravidlá
 - **Nepoužívať MC = 0** (nepresné)
 - Doporučené nastavenie $MC > 1.0$
 - Radšej viac než menej
 - Pesimistický odhad = bezpečnejší odhad

- Rezerva výšky (príletová, nad terénom)
- Degradácia poláry
- Bezpečné MC

Navigačné pomôcky – bezpečnostné faktory

Glide Computer > Safety Factors

Expert

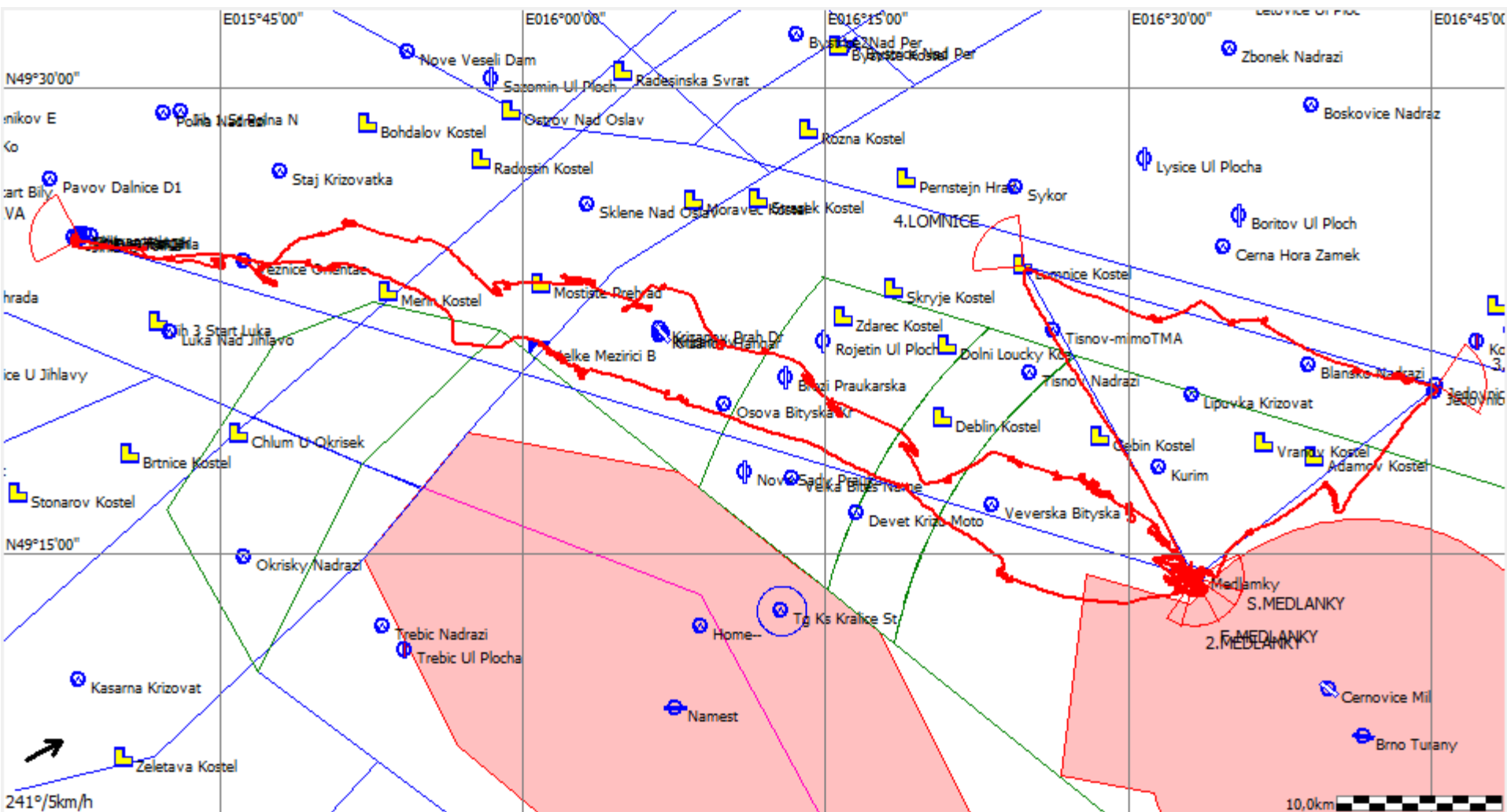
Arrival height	300 m
Terrain height	300 m
Alternates mode	Task
Polar degradation	5 %
Auto bugs	Off
Safety MC	1.0 m/s
STF risk factor	0.0

▶

◀

Close

Sladká odmena – prvá 50-ka (200 km)



- Nebojte sa preletov...
- ... ale lietajte ich bezpečne!