

Are Cross-Country-Waveflights possible almost without mountains?

Ralf Thehos

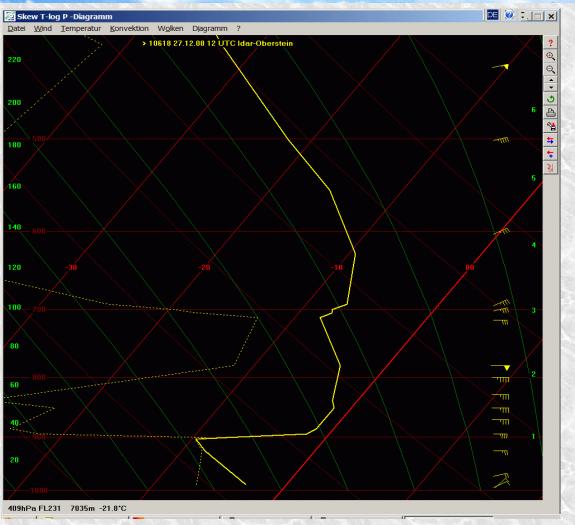
German Weather Service(DWD)



1035 365 2008-12-27 98 **12 UTC** 30 84 18 -13Ö 33/ Ð -9-359 97 D6 370 10 -12 1040 -134. 357 09 11 57 -8 97 27 a ίÓ δ 1030 28 260 305 09 97 65 -540 1025 258 ú 159 09 60 70 030 10 224 86 01 86~4 -5 1010 -58-4 -106-3 1025 ອັດ 2 2 3 10 1020 5 8 5253 101 00 4 3 581 8 7 냶 102 2068 2068 01 5 DC: ъ ښŏ وا • 1020 9 2 12 501. 10.50 5 40 17 w²⁰³ 54 18 50 19 5 187 60 5 21 213 śó H 7444 00 **36** 'n, -15 20 155 52 13 3 0 5~3 7 542 18 189 56 20 3 183 00 18 60 186 19 98 5 50 140 05 19 60 10 ΥØ 17 196 03 Þ b 19 190 35+ 178 31 4 - J 19 , 188

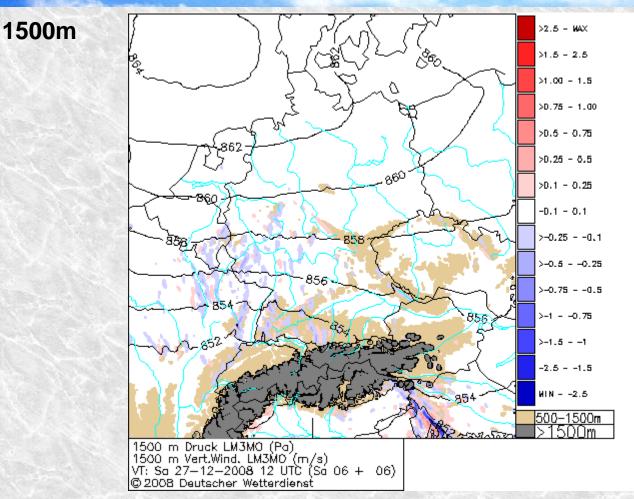
2





Sounding Idar-Oberstein 2008-12-27 12 UTC

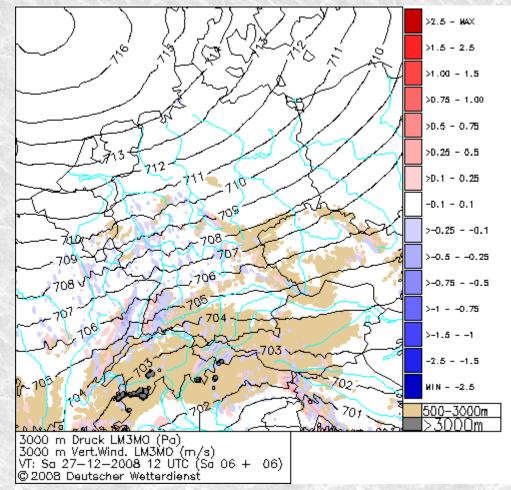




2008-12-27 12 UTC COSMO-DE-Forecast 06 UTC +6h

6

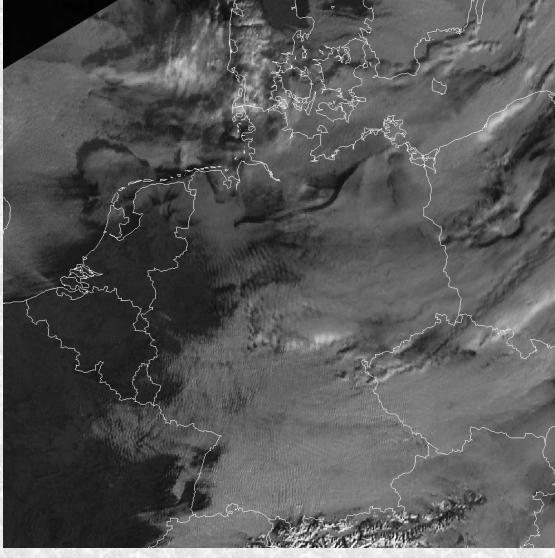
3000m



2008-12-27 12 UTC COSMO-DE-Forecast 06 UTC +6h

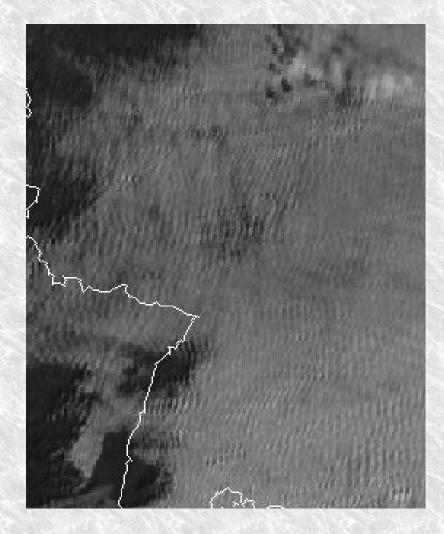


2008-12-27 09 UTC





2008-12-27 09 UTC



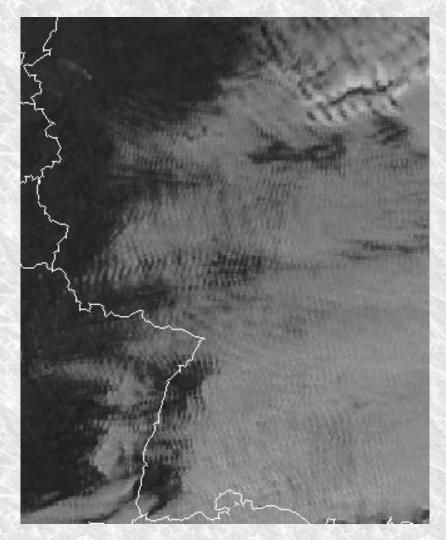


2008-12-27 09 UTC





2008-12-27 12 UTC

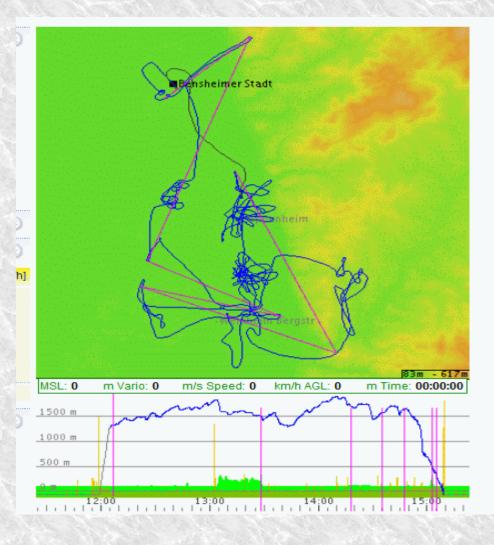




OLC-Flight Ralf Thehos

Climbing Rate app. 0.5-0.7m/s, max. 1m/s.

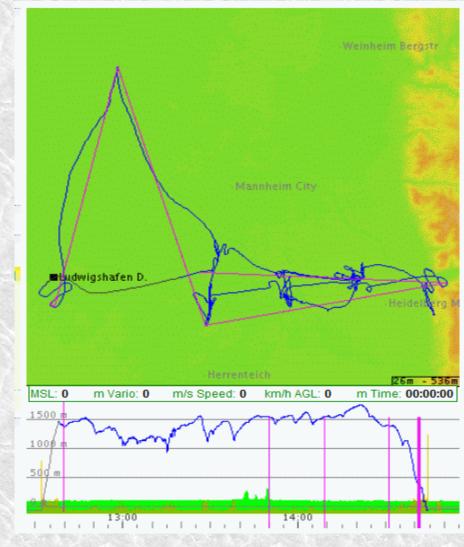
Wave-length app.3-4km.





OLC-Flight Benno Alexander

Best climb rates in front of the clouds.

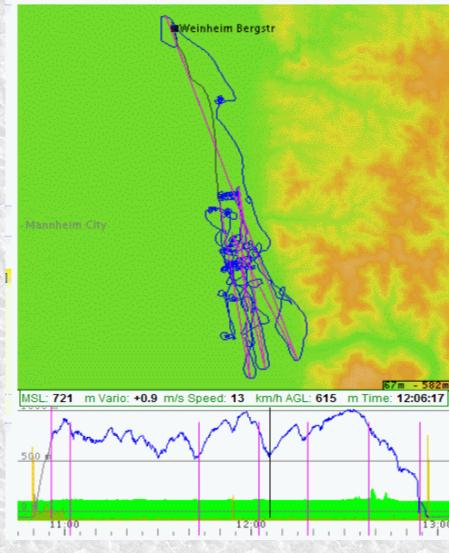




OLC-Flight Matthias Dietrich

Possible to fly below the clouds (rotors).

Not possible(?) to climb over.





Some impressions













Conclusions

There are some weather situations each winter with waves over hundreds of kilometers.

The waves are almost independend of terrain.

Cross-country flights may be possible in regions without higher mountains too.

COSMO-DE wave-forecasts give good qualitative signals for wave-flying.



Let's evaluate this winter

