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**2006 SWEDEN ESKILSTUNA**

# WGC 2006

- Low profile
- Low budget
- Expensive beer
- Difficult weather

# EGC 1979/WGC1993/WGC2006

## - it was not better before

- Örebro 1979. Very primitive. No info at site. Had to fly to Air Force base (very early) every morning.
- Borlänge 1993. Facsimile and telefon, Obs and Satellite (but no Radar) – slow updating. Local soundings every day. "Overhead"-briefing.
- Eskilstuna 2006. Lots of actual weatherinfo – available to everyone via internet. Thermal models. Forecast soundings. High resolution satellite and radar images. Power Point briefings.

# Meteorologists WGC 2006

## Tomas, Bernt, Ebba



# Met service WGC 2006

- 2 meteorologists (almost) every day
- Briefing tasksetter/comp.director/stewards 0830
- Briefing pilots 1000 and "Met sheet"
- A lot of weatherinfo (thanks to SMHI, DWD and others)
- All weatherinfo available via internet
- Automatic thermal forecasts (SWEDTHERM/TOPTHERM and others)
- Tasksetter didn't use TOPTASK
- Forecast soundings (HIRLAM 5) – few local soundings
- Difficult weathersituations
- Forecasts not perfect – but no big mistakes

**Everyone had access to all  
weatherinfo via WGC homepage  
and pc\_met**

## Actual Eskilstuna

Local Time 14:25

WIND 225.0 °/15.1 Km/h

Temperature 30.3 °C

Dewpoint 13.0 °C

QNH 1012.0 hpa

Rain 1 hour 0.0 mm

Rain 24 hours 0.0 mm

## **METEO menue (at WGC homepage)**

[Daily forecasts](#)

[Automatic thermal forecast \(HIRLAM\)](#)

[Weatherinfo SMHI\\*](#)

[Weatherinfo DWD\\*](#)

\*)username=wg2006,  
password=wg2006

[Aviation weather](#)

[Automatic forecast from Väderprognosen \(MM5\)](#)

[Automatic forecast from Wetter-Jetzt](#)

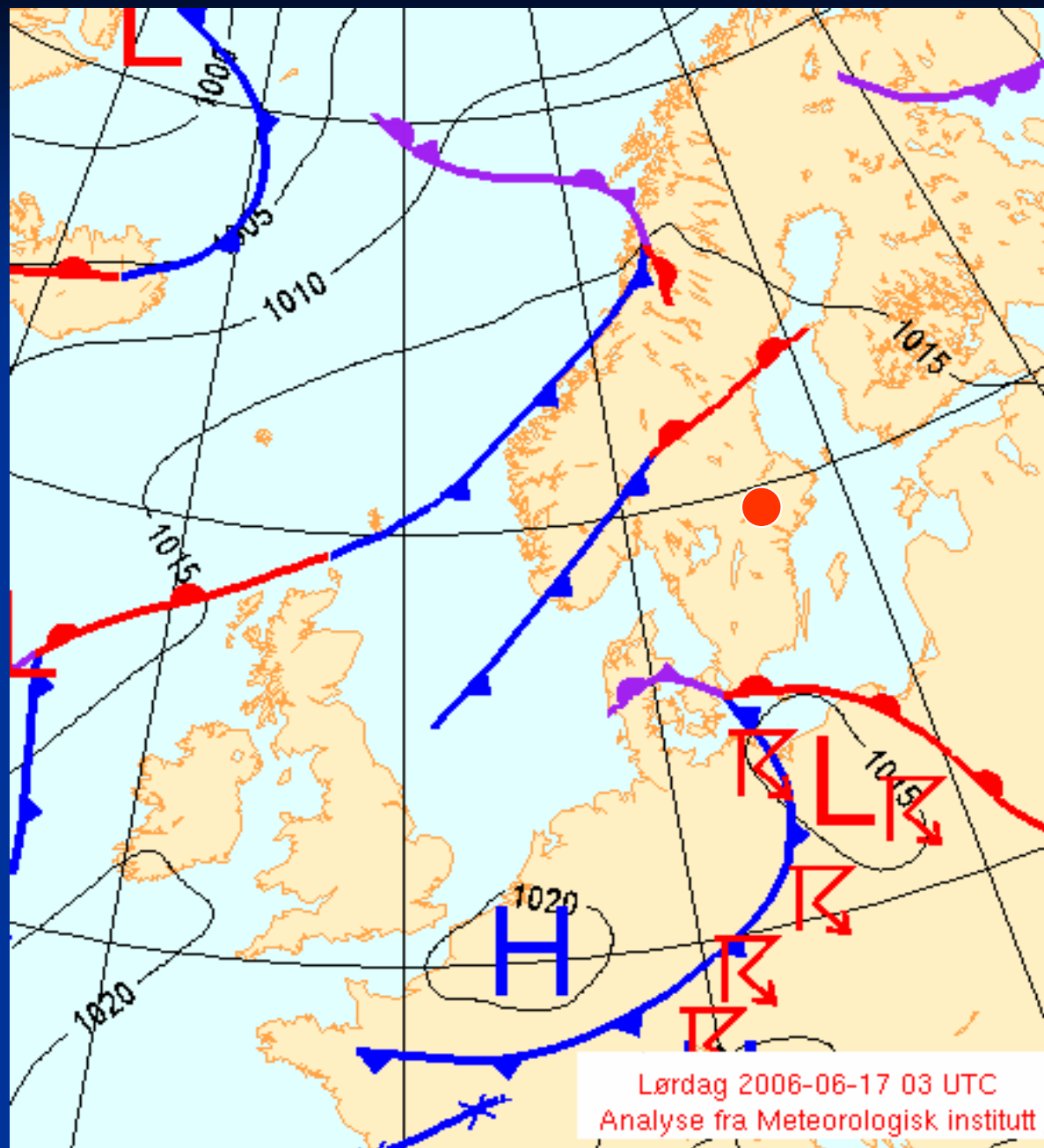


**Separate "Met-sheet" as  
documentation available to  
every pilot and team  
captain at briefing**

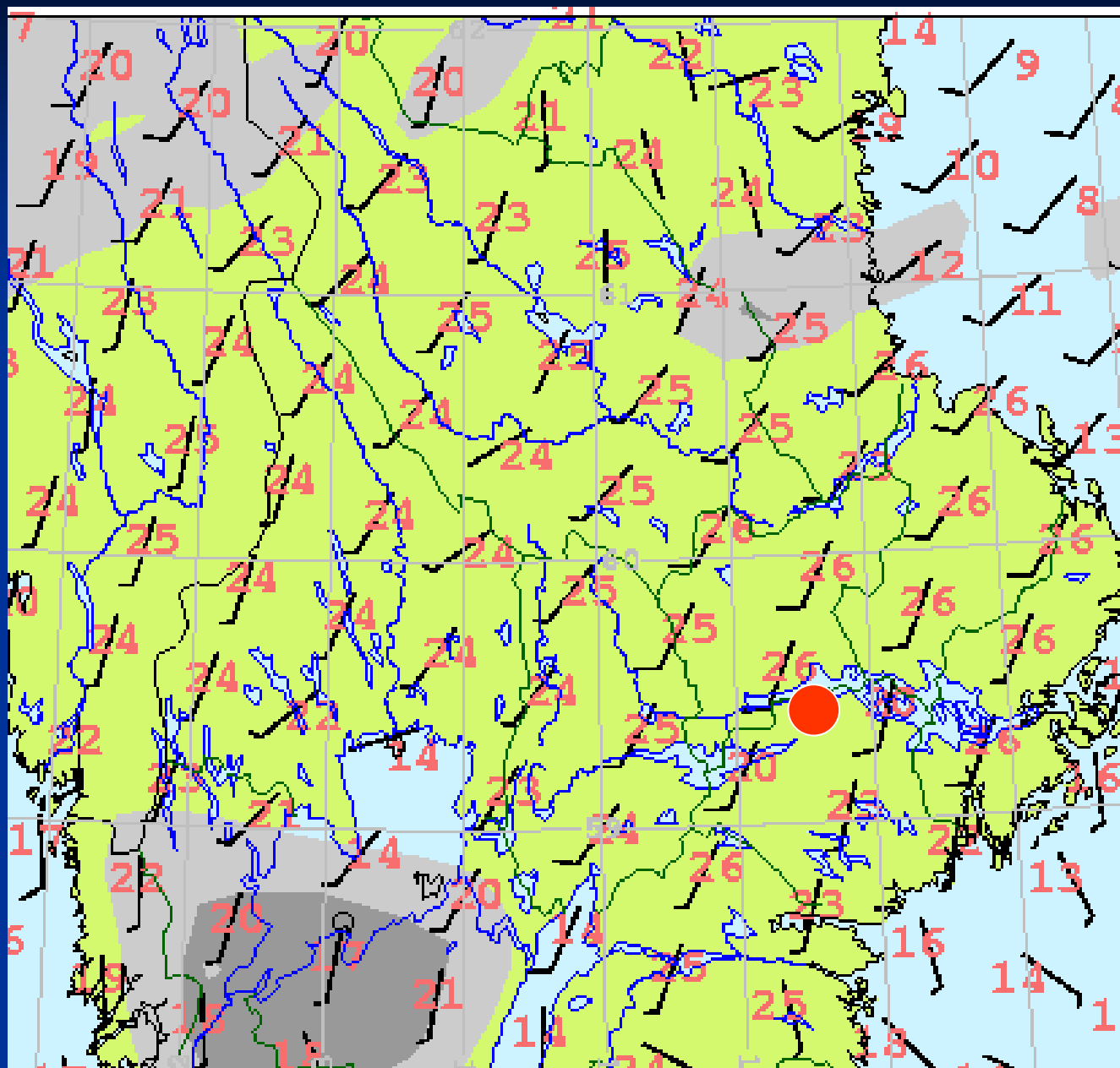
# Weather Briefing Example



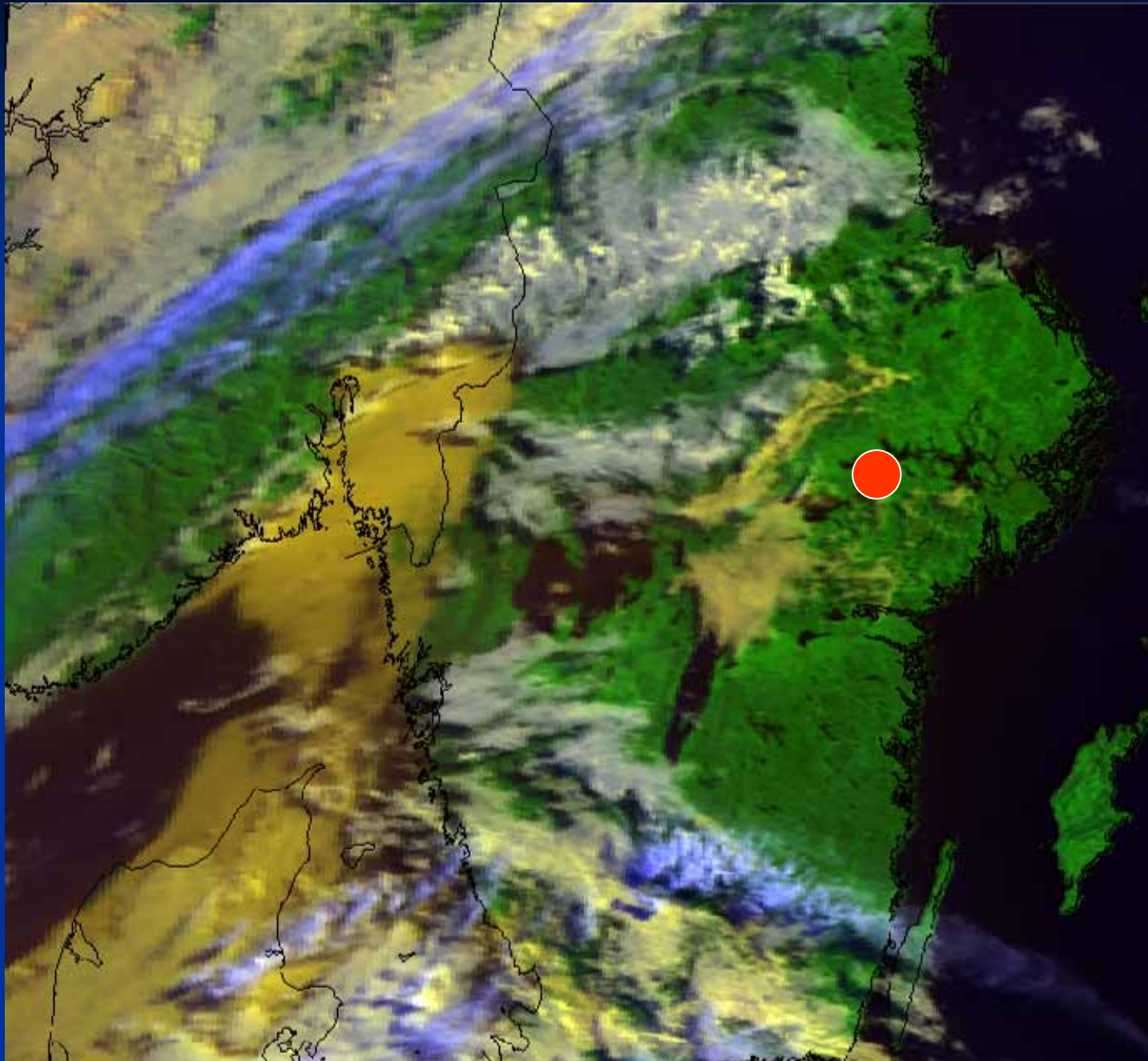
# ANALYSIS 060617 0500



# WIND FORECAST 1400



NOAA 060617 0630

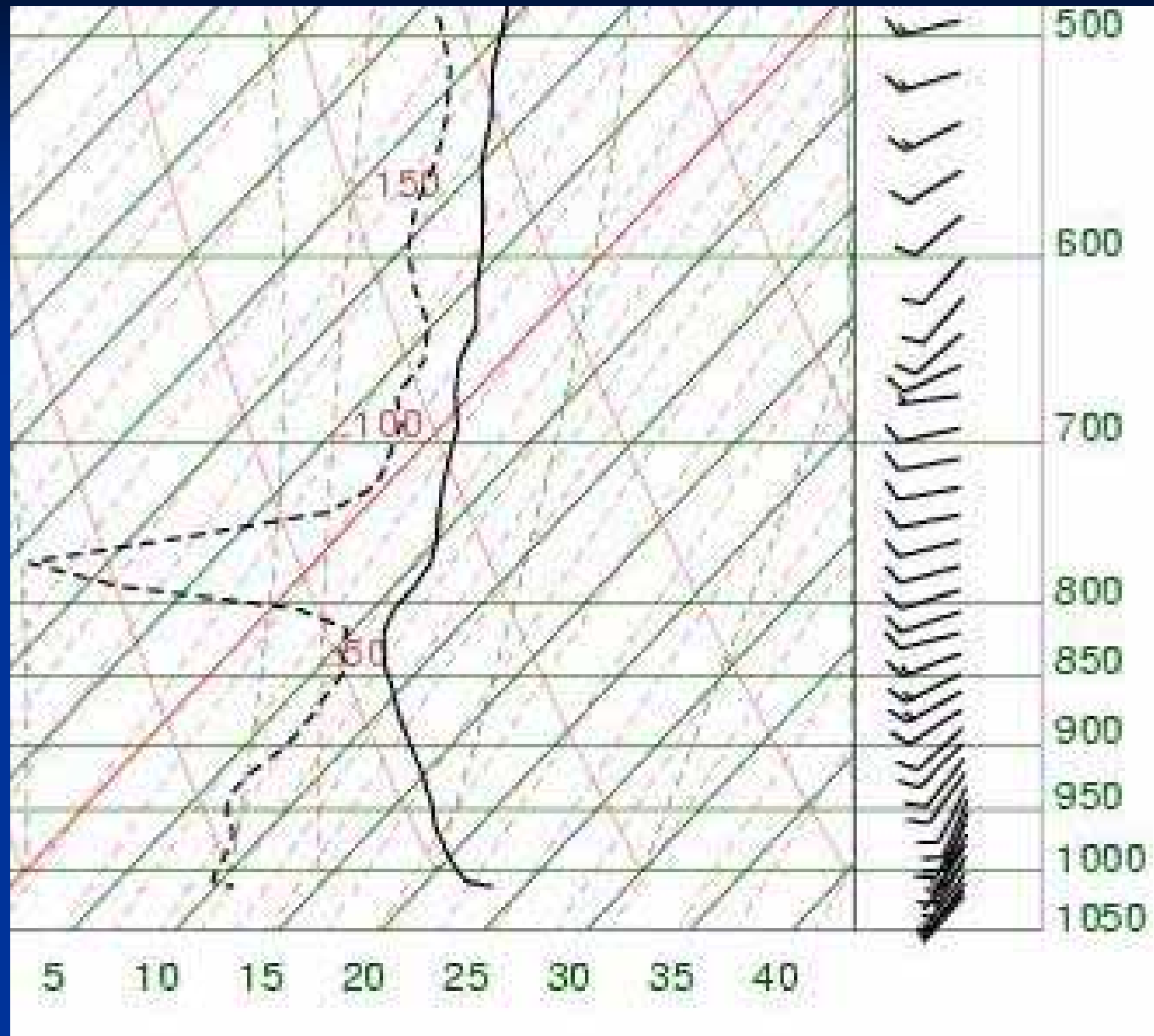


NOAA 060617 0800

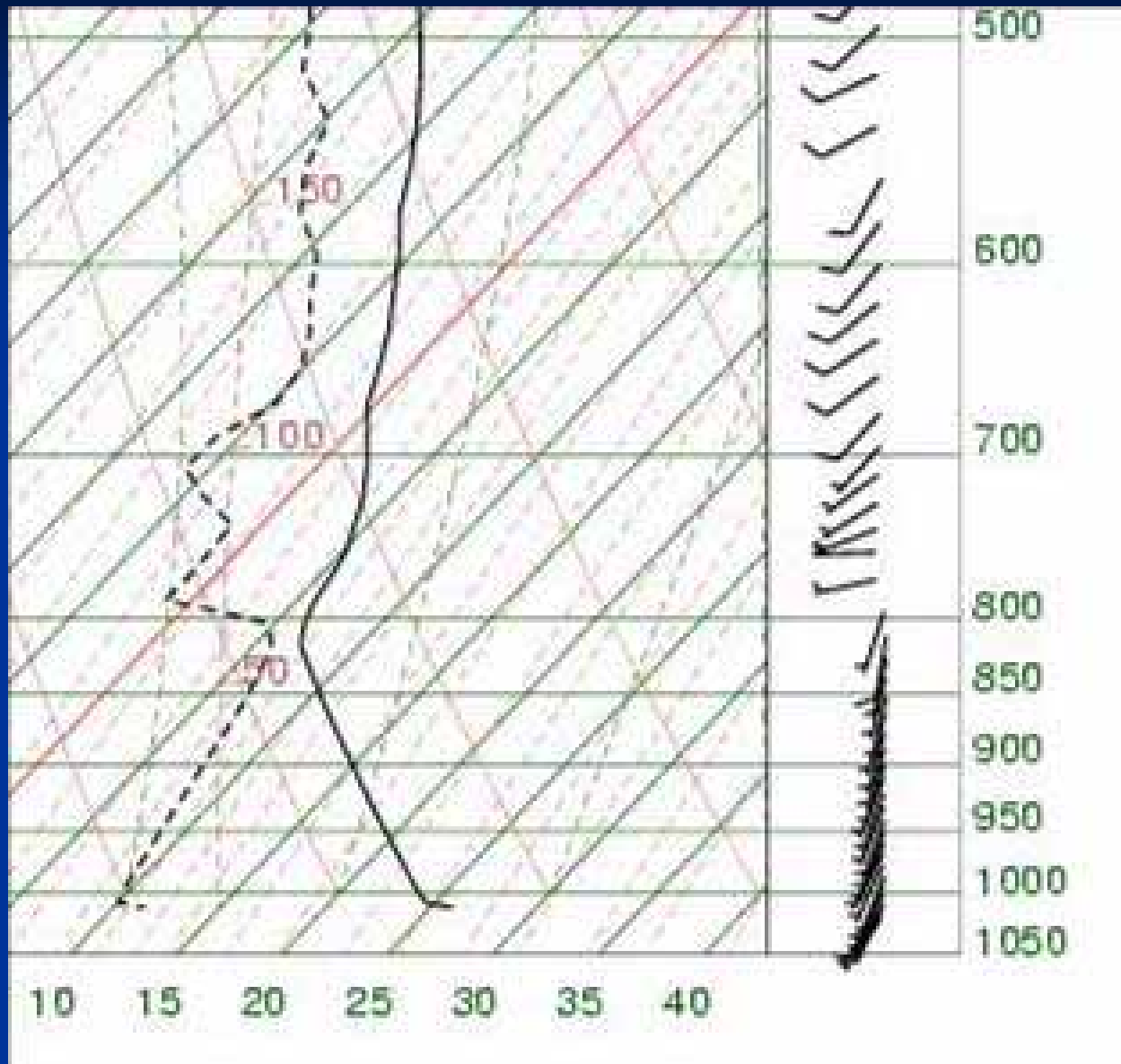


2006 SVEA ESKILSTUNA

# Forecast sounding Eskilstuna 060617 1100

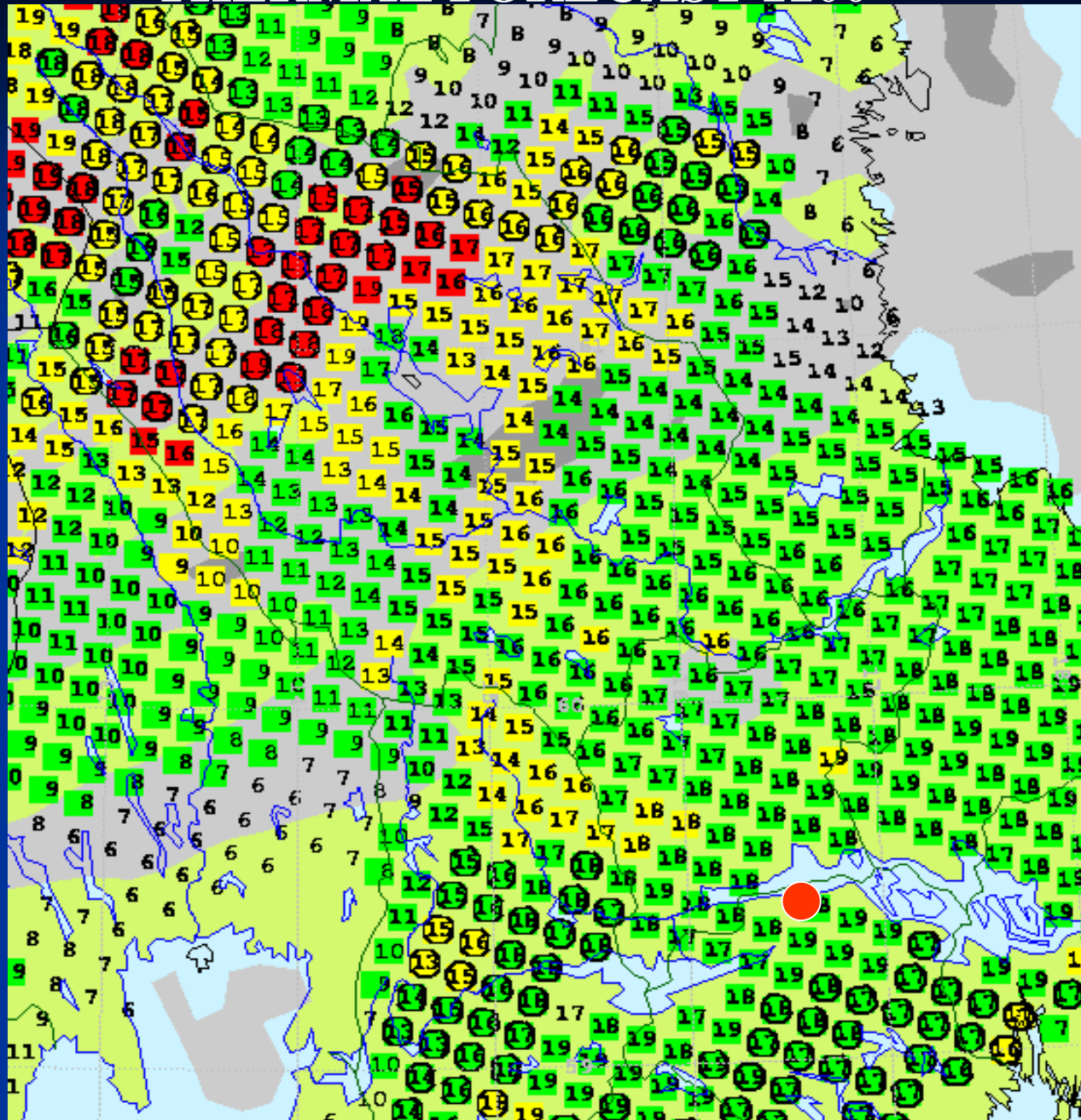


# Forecast sounding Eskilstuna 060617 1600

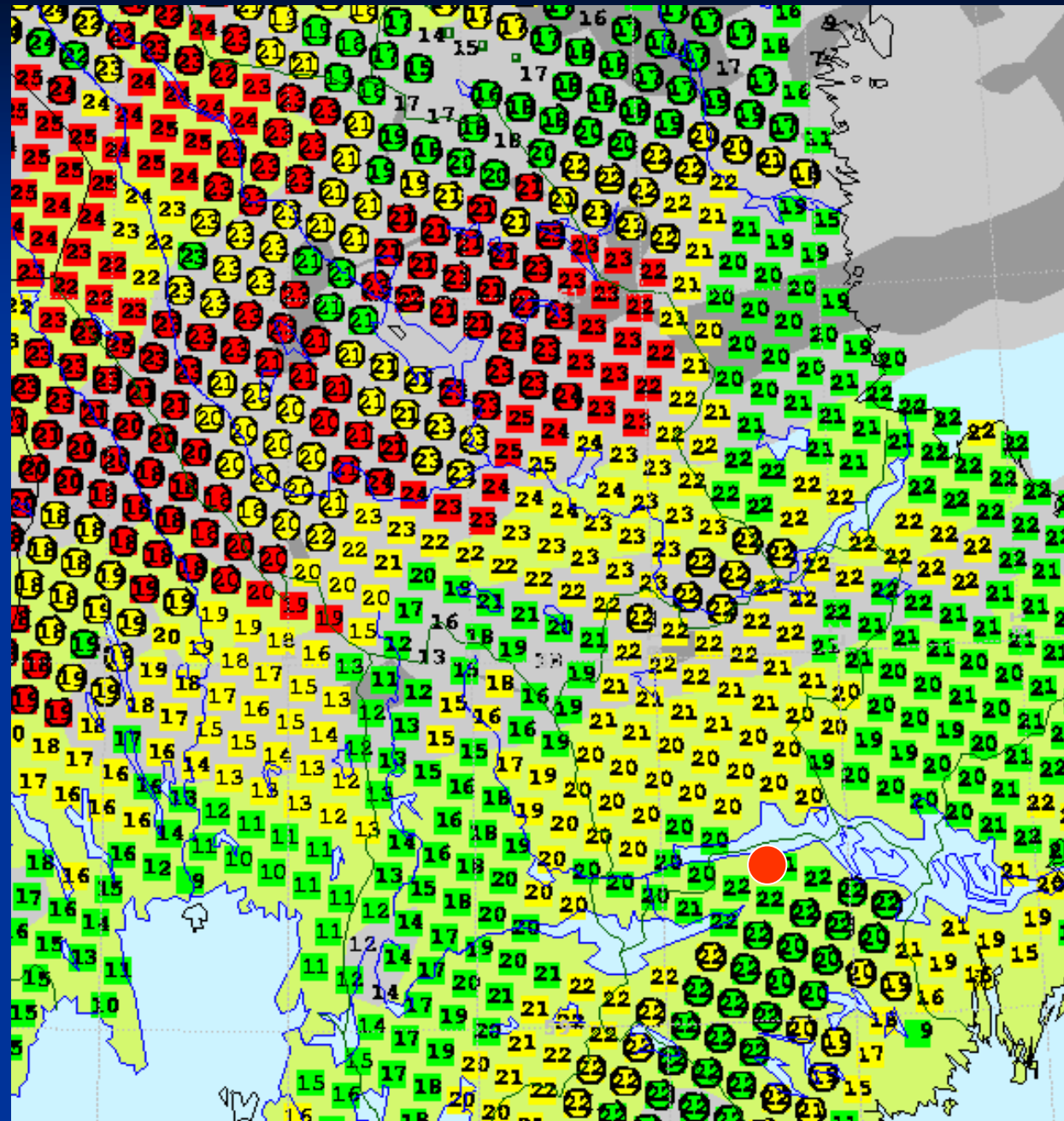




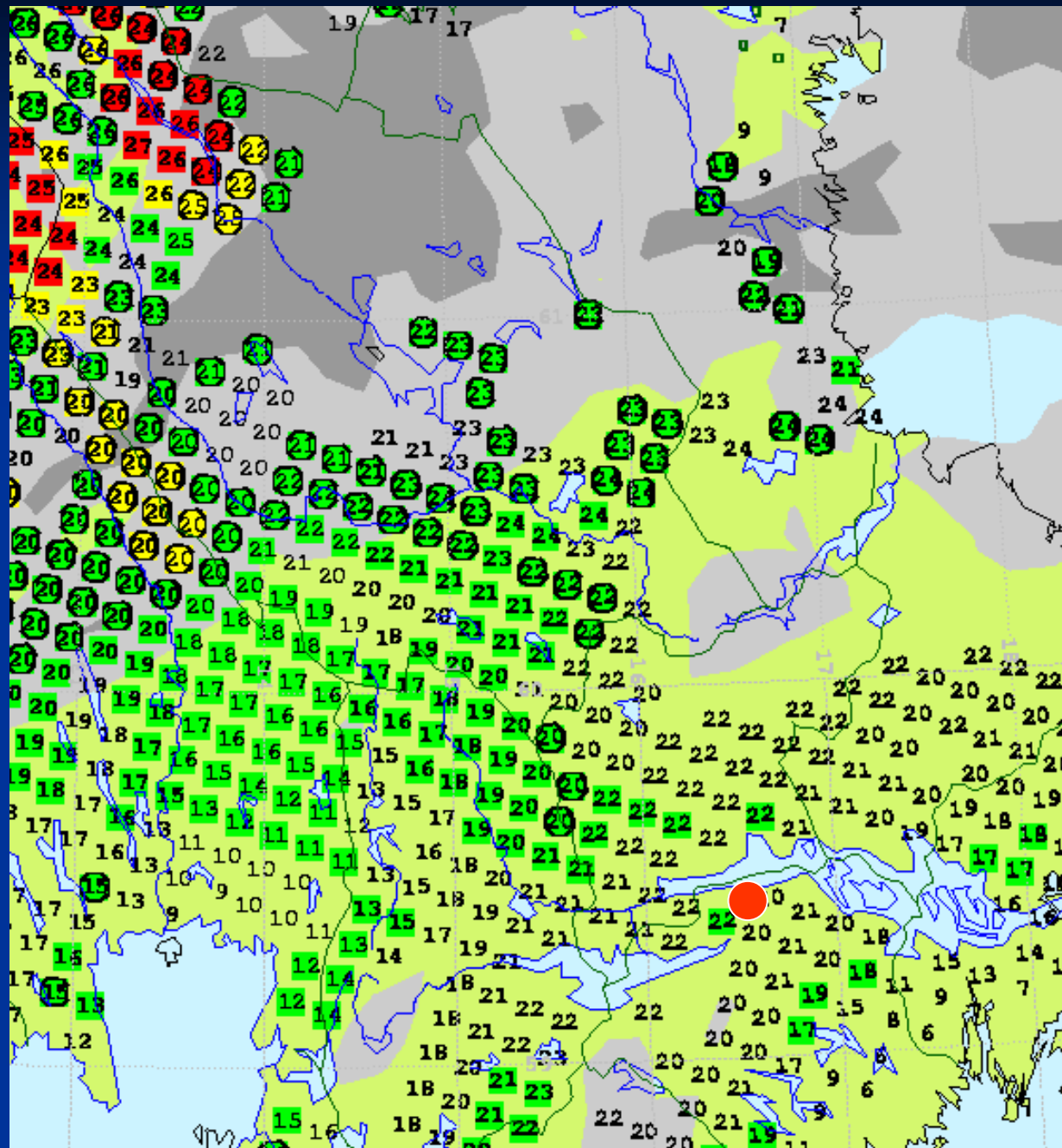
# THERMAL FORECAST 1100



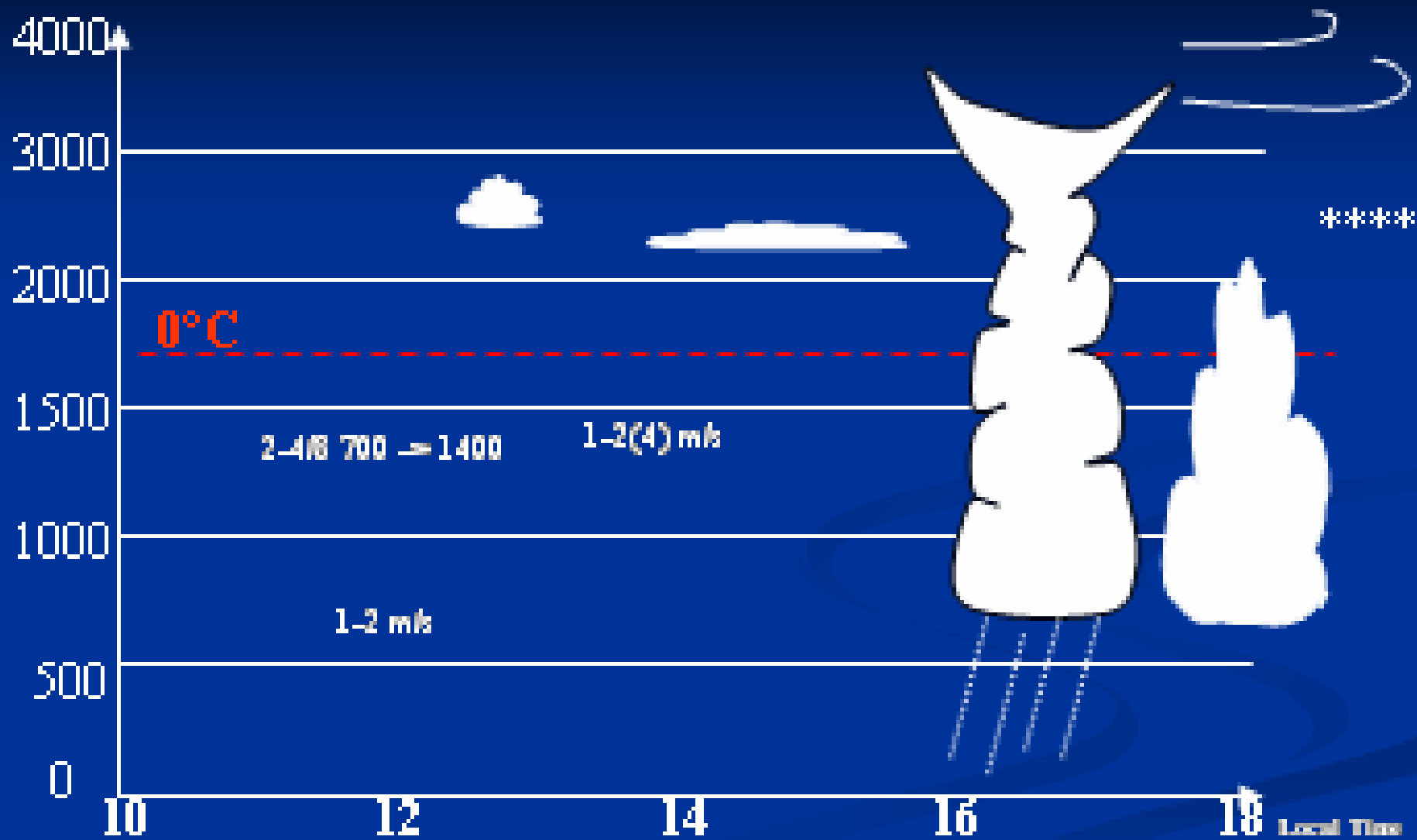
# THERMAL FORECAST 1400



# THERMAL FORECAST 1700



# Time cross-section for the competition area.



WIND: 140.05

QNH: 1019 MAXTEMP: 28°C

# Metman as "Sniffer"



# Metman as towpilot



# The weather during WGC

- Not typical – and difficult to forecast in detail
- Cold/warm
- Rain/dry
- Overdeveloping/Cu/dry thermals
- Strong thermals/weak thermals
- Sea- and lake breezes
- Air masses not homogeneous
- - but still we got 10 competition days

# Safety issues

- Short field
- Gaggles
- Rough flying
- Flying over unlandable terrain