



E17-Public Weather Service (PWS)

THUNDERSTORM CLIMATOLOGY

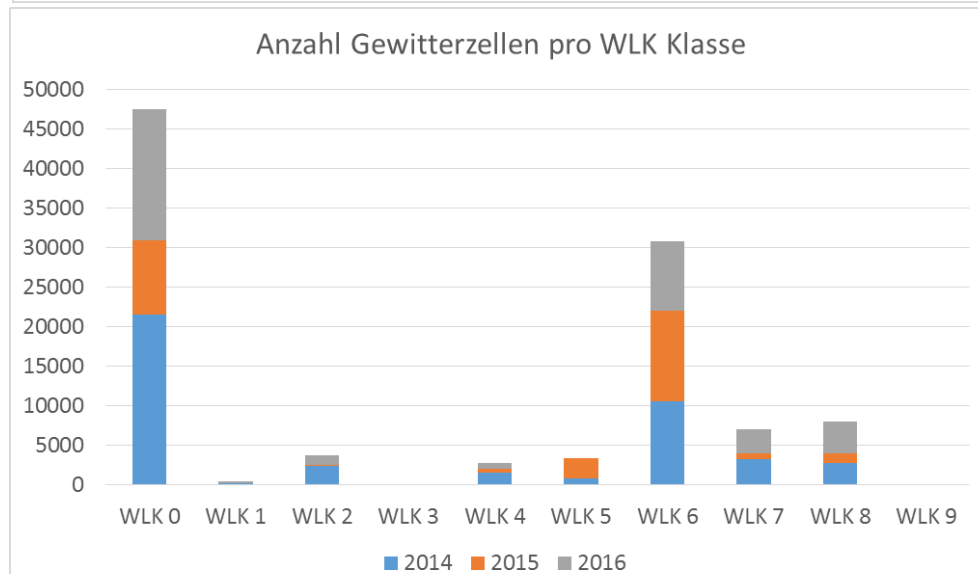
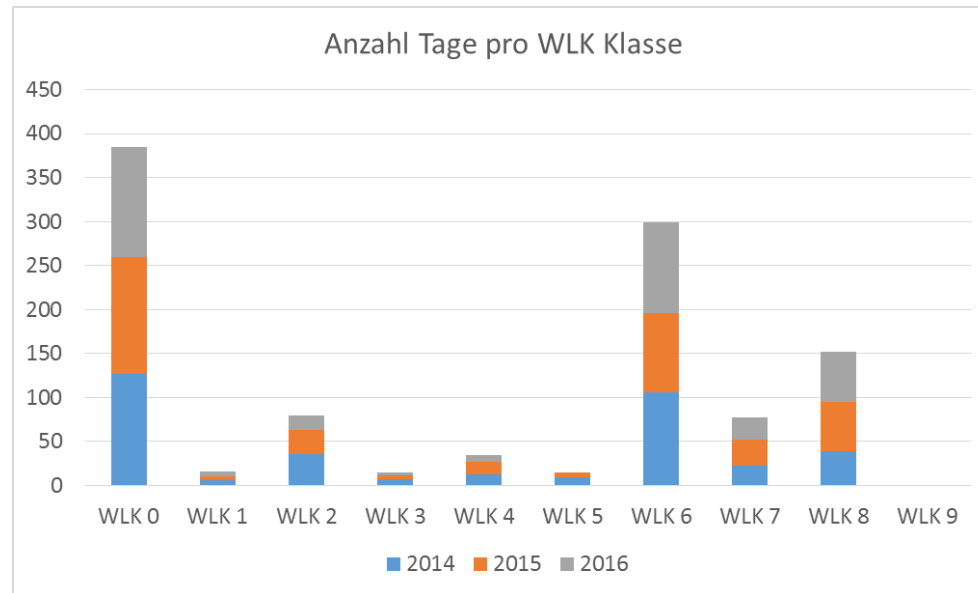
01.01.2014-31.12.2016



ZAMG
Zentralanstalt für
Meteorologie und
Geodynamik

WLK KLASSIFIKATION

05.05.2026
Folie 2





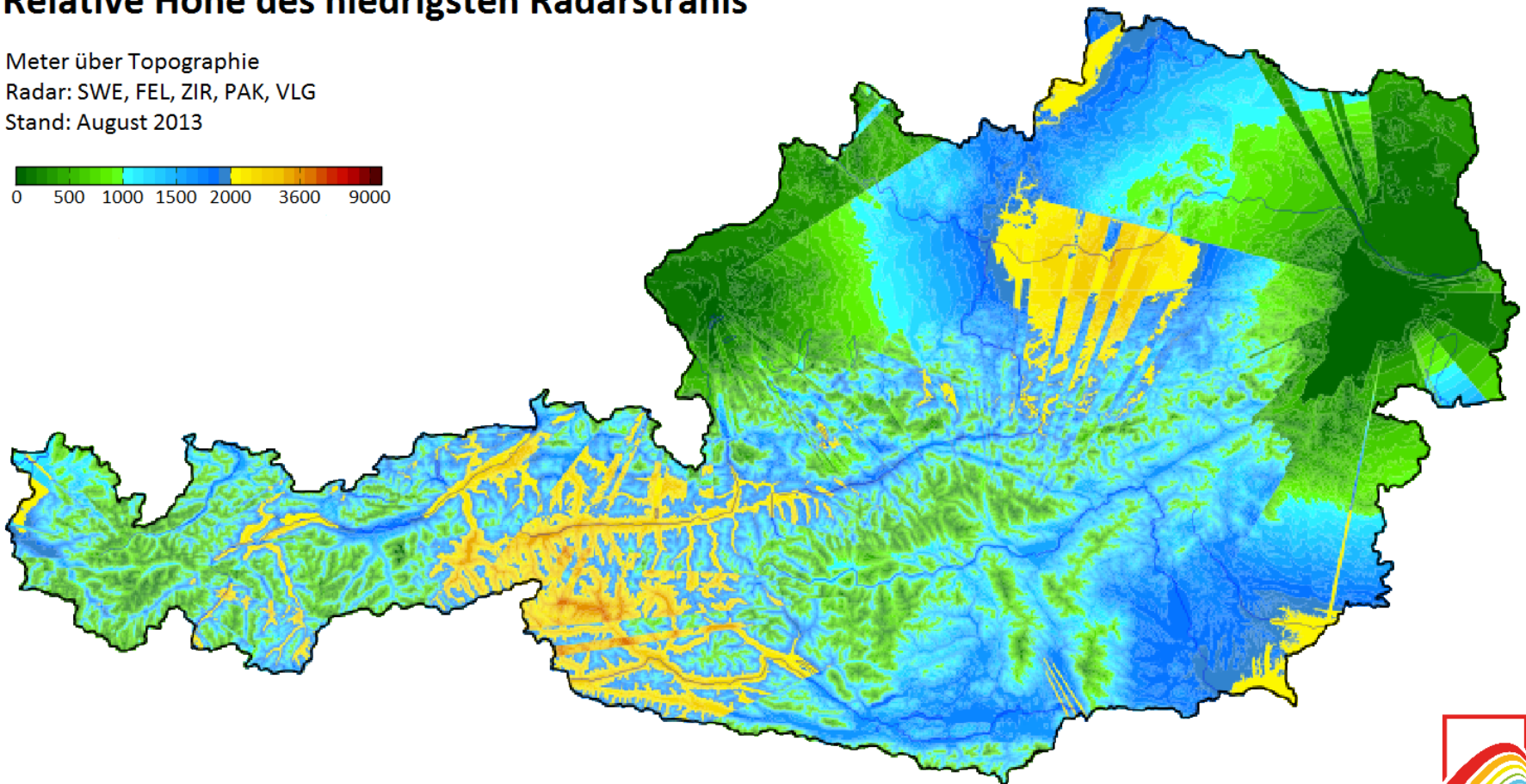
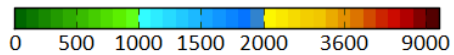
Radarzellen mit mindestens einmal pro Zeitschritt 2 oder mehr Blitze (Gewitter)
Lebenszeit > 10 Min.

- Ausgeschlossen: Entstehung aus Zellplitting oder Dissipation in Zellmerging
- Nur Zellen, die zu 100% in der Domain waren (keine „Randeffekte“, echte Lebenszeiten)



Relative Höhe des niedrigsten Radarstrahls

Meter über Topographie
Radar: SWE, FEL, ZIR, PAK, VLG
Stand: August 2013



SOURCE and SINK INTENSITY MAPS



05.05.2026
Folie 5

-> Only thunderstorms with lifetimes of 10 min and more

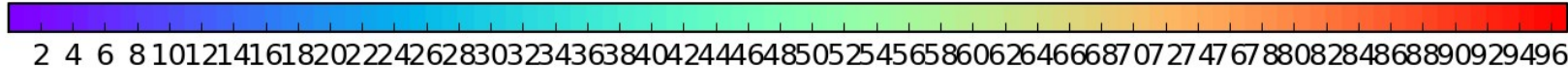
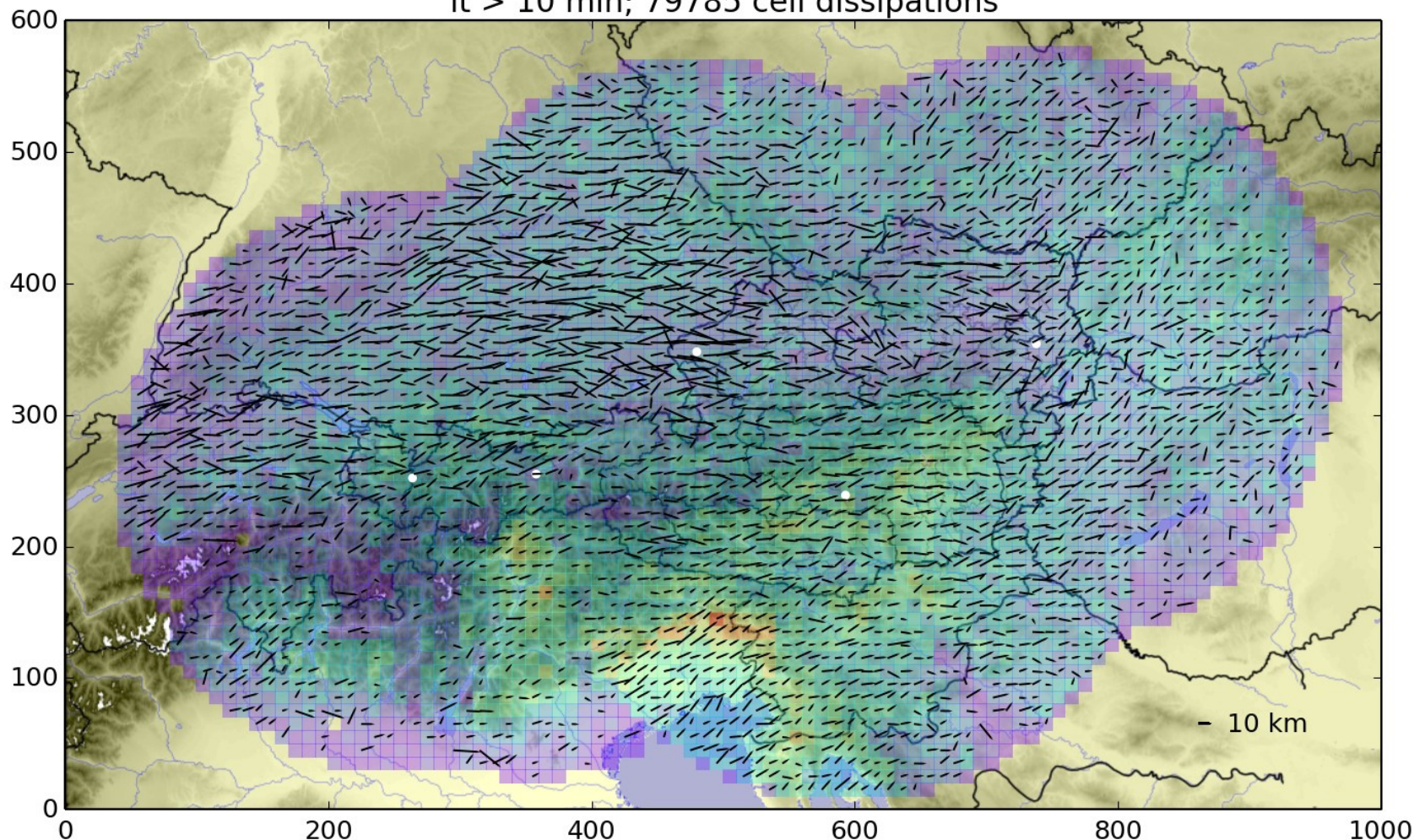
-> Histogram on 10 km x 10 km grid

-> Arrows indicate mean direction and mean travel distance when >10 km

ALL WLK CLASSES

INITIATION MAP PWS/ana_tst_2014_2016_wlk.txt
It > 10 min; 79785 cell dissipations

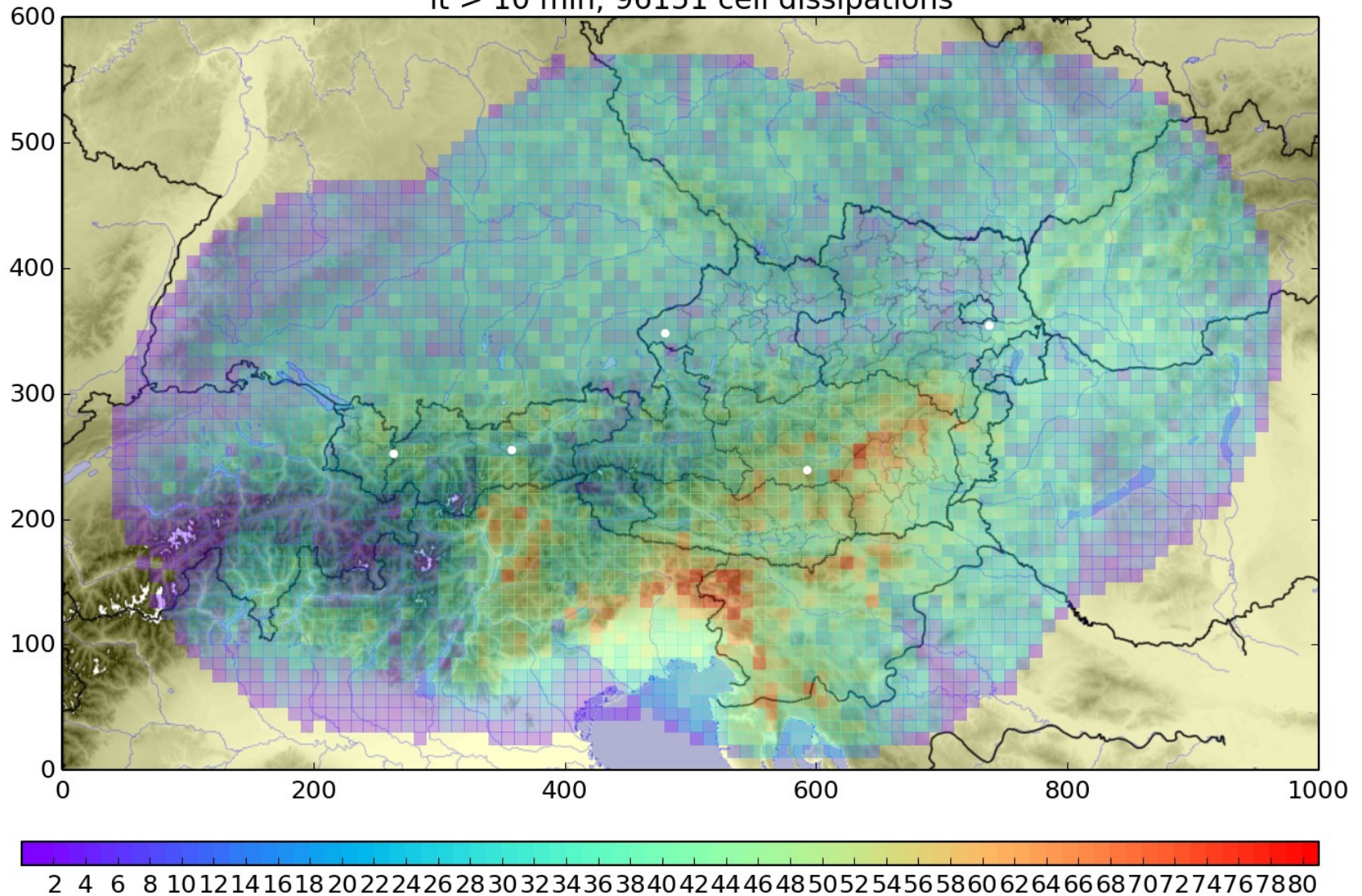
2026
lie 6



ALL WLK CLASSES

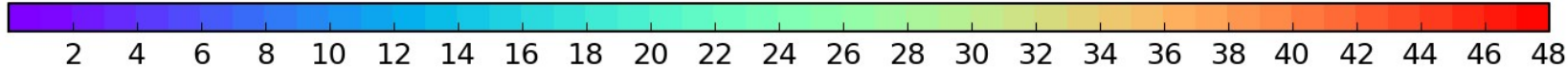
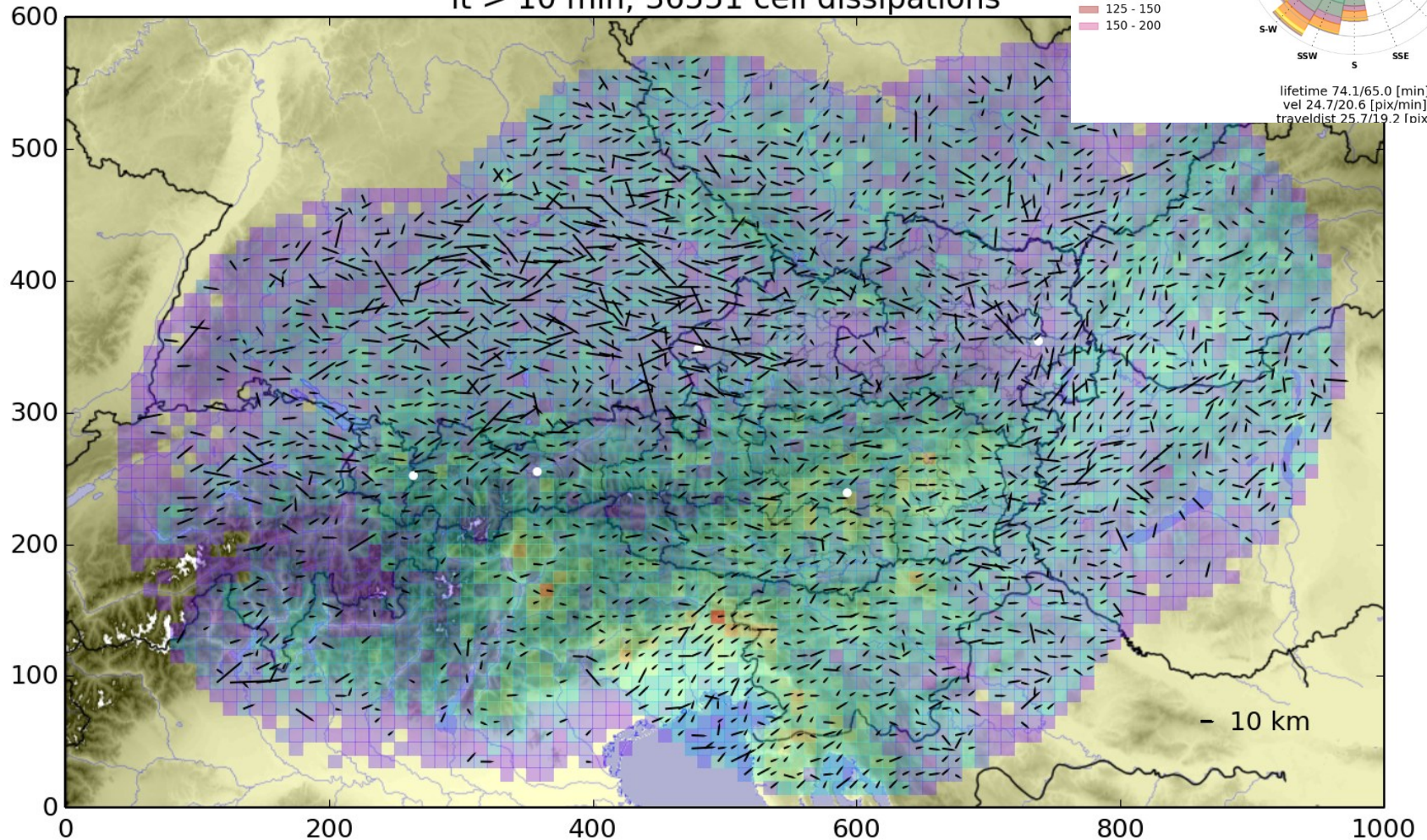
DISSIPATION MAP PWS/ana_tst_2014_2016_wlk.txt
It > 10 min; 96151 cell dissipations

2026
lie 7



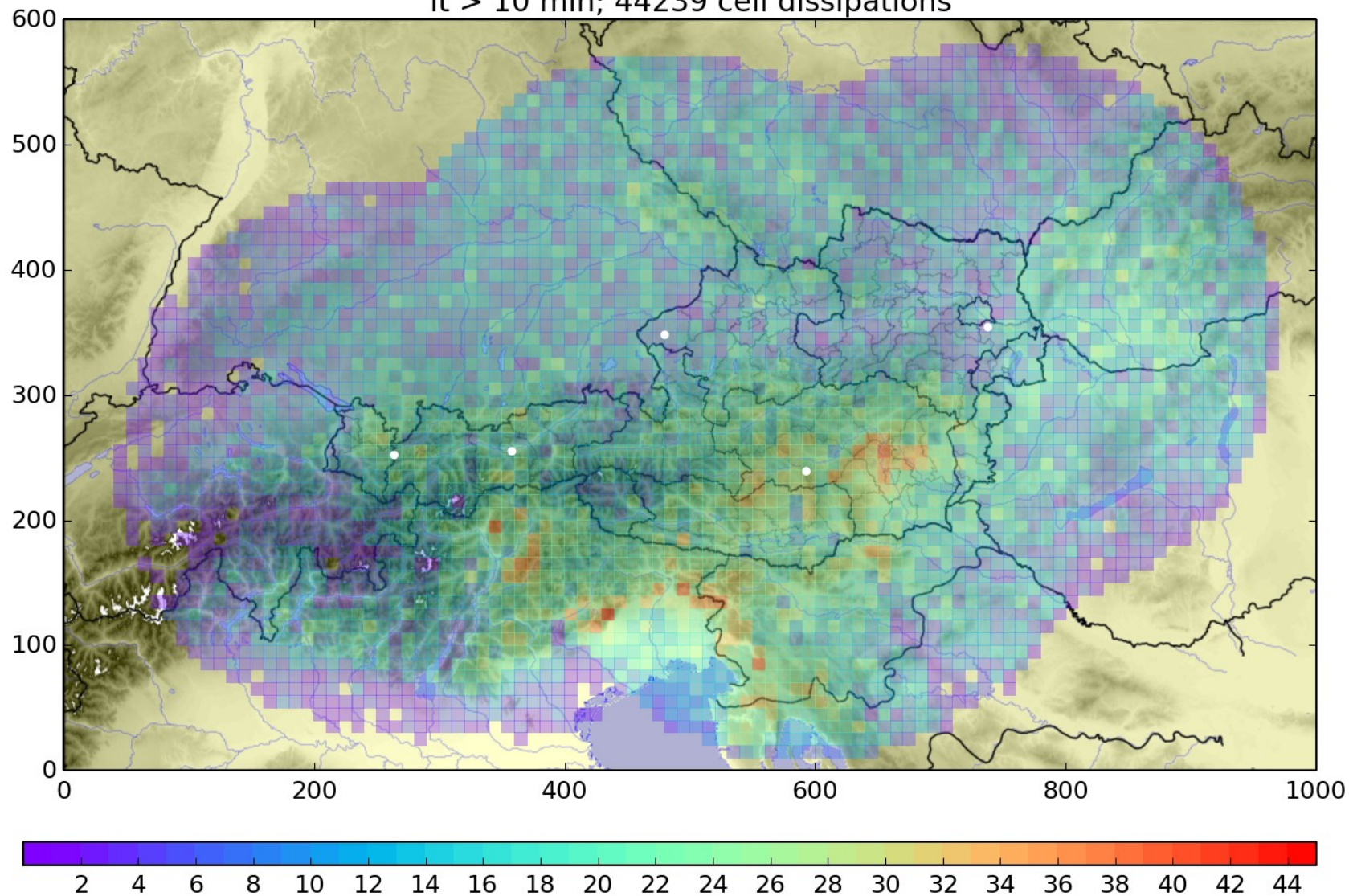
WLK CLASS 0

INITIATION MAP PWS/ana_tst_2014_2016_wlk0:
It > 10 min; 36551 cell dissipations



WLK CLASS 0

DISSIPATION MAP PWS/ana_tst_2014_2016_wlk0.txt
It > 10 min; 44239 cell dissipations





Für alle WLK Klassen
Zur Diskussion