



Meteodrones – 1.7./2.7.2018

Dr. Martin Fengler, CEO
mfengler@meteomatics.com

Meteodrone „Classic“ – BVLOS approved

Component to stay in reserved airspace

Parachute Rescue System

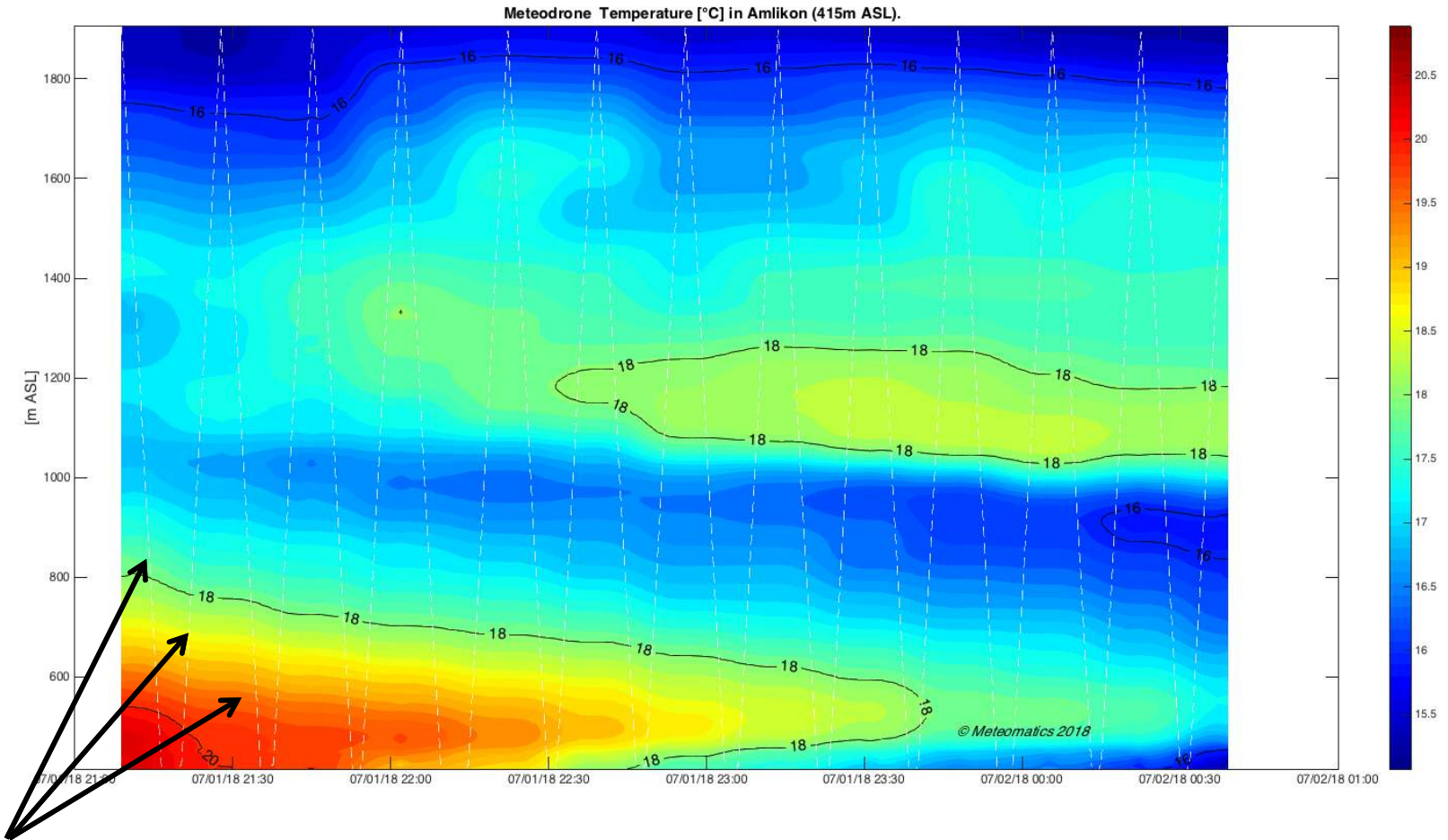


- > 2'000 flight hours
- > 14'000 vertical profiles

White strobe (visibility >3km)

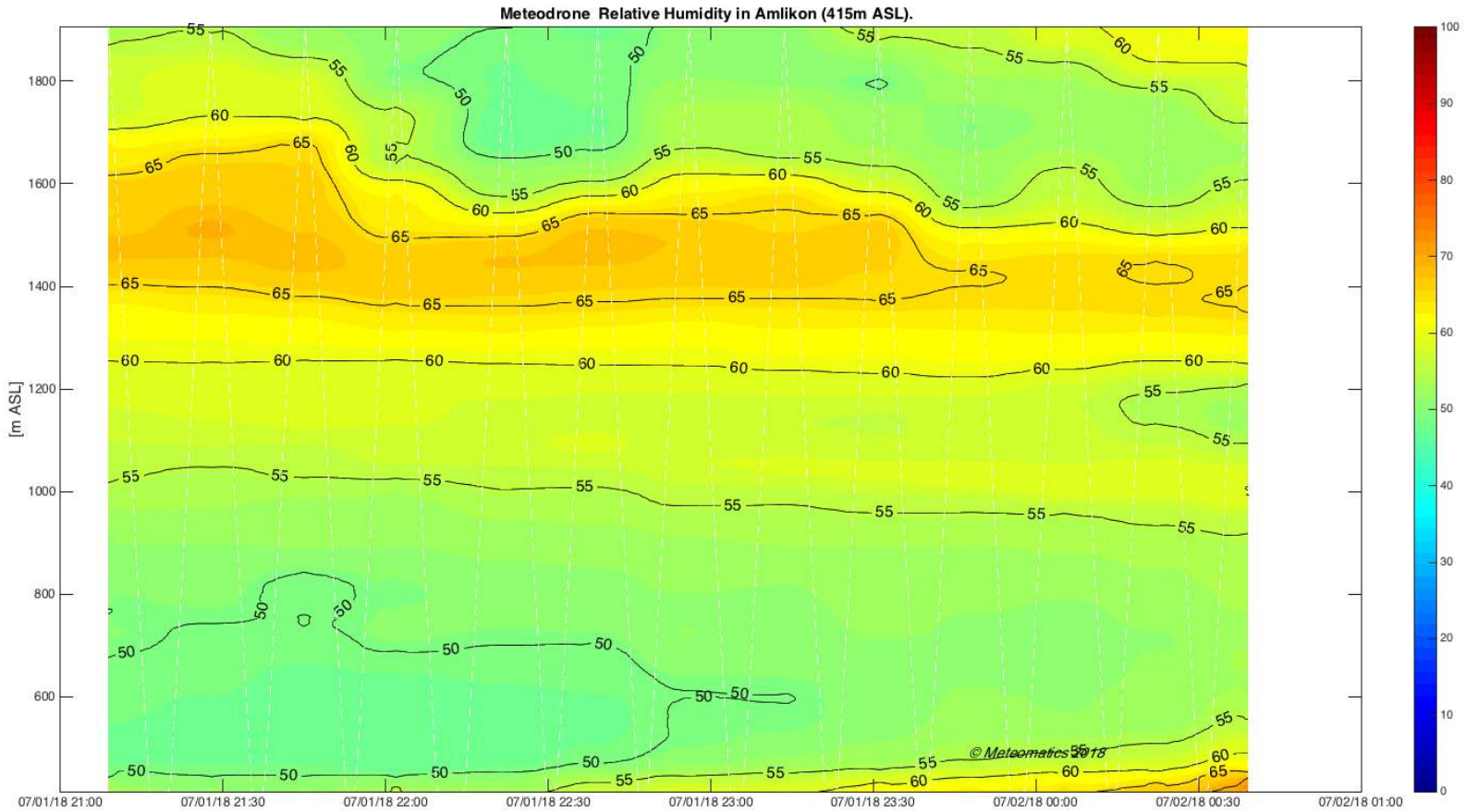
Wind measurement using aircraft pitch & roll.

Amlikon 1.7./2.7.2018 – temperature

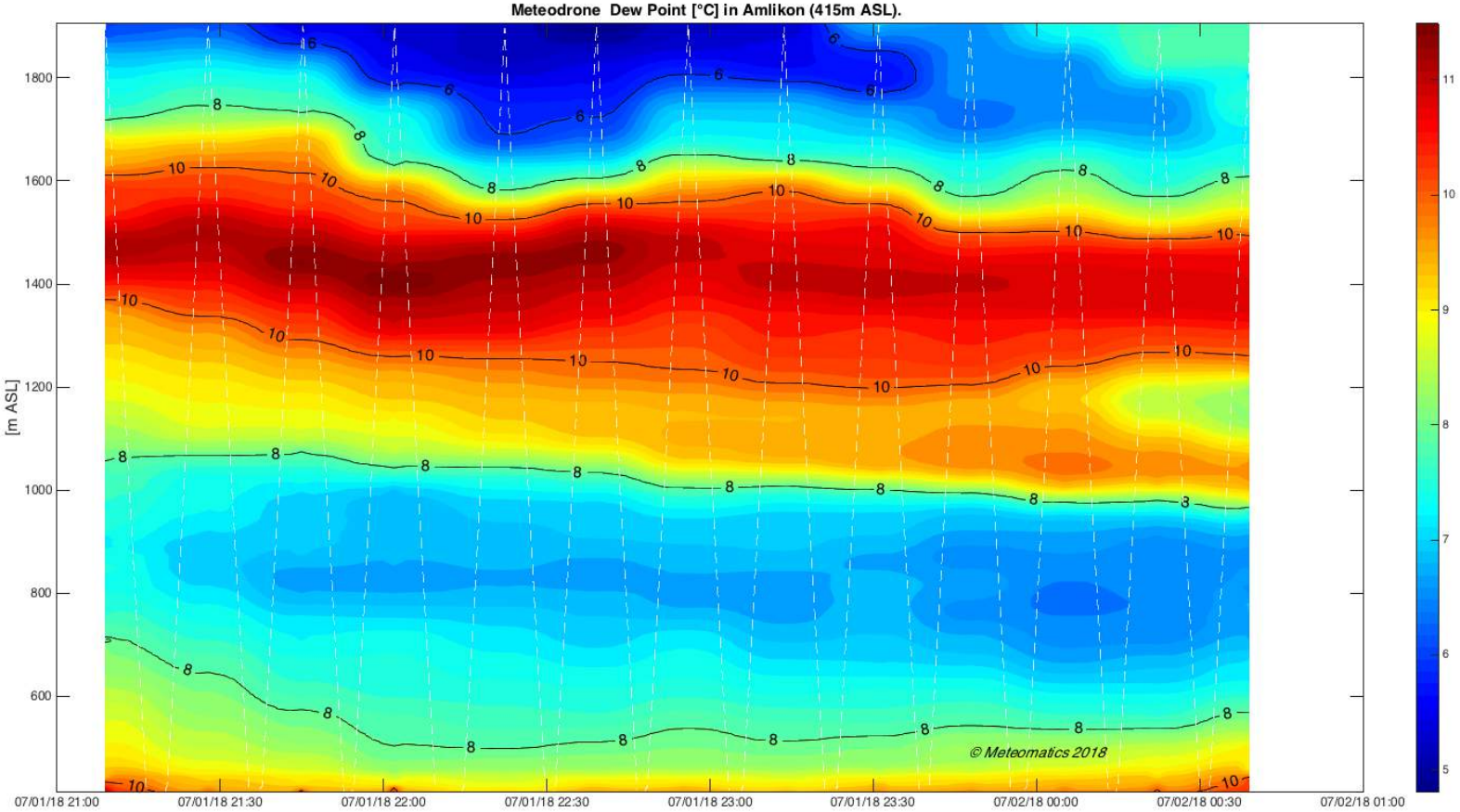


White dots indicate the drone flight track.

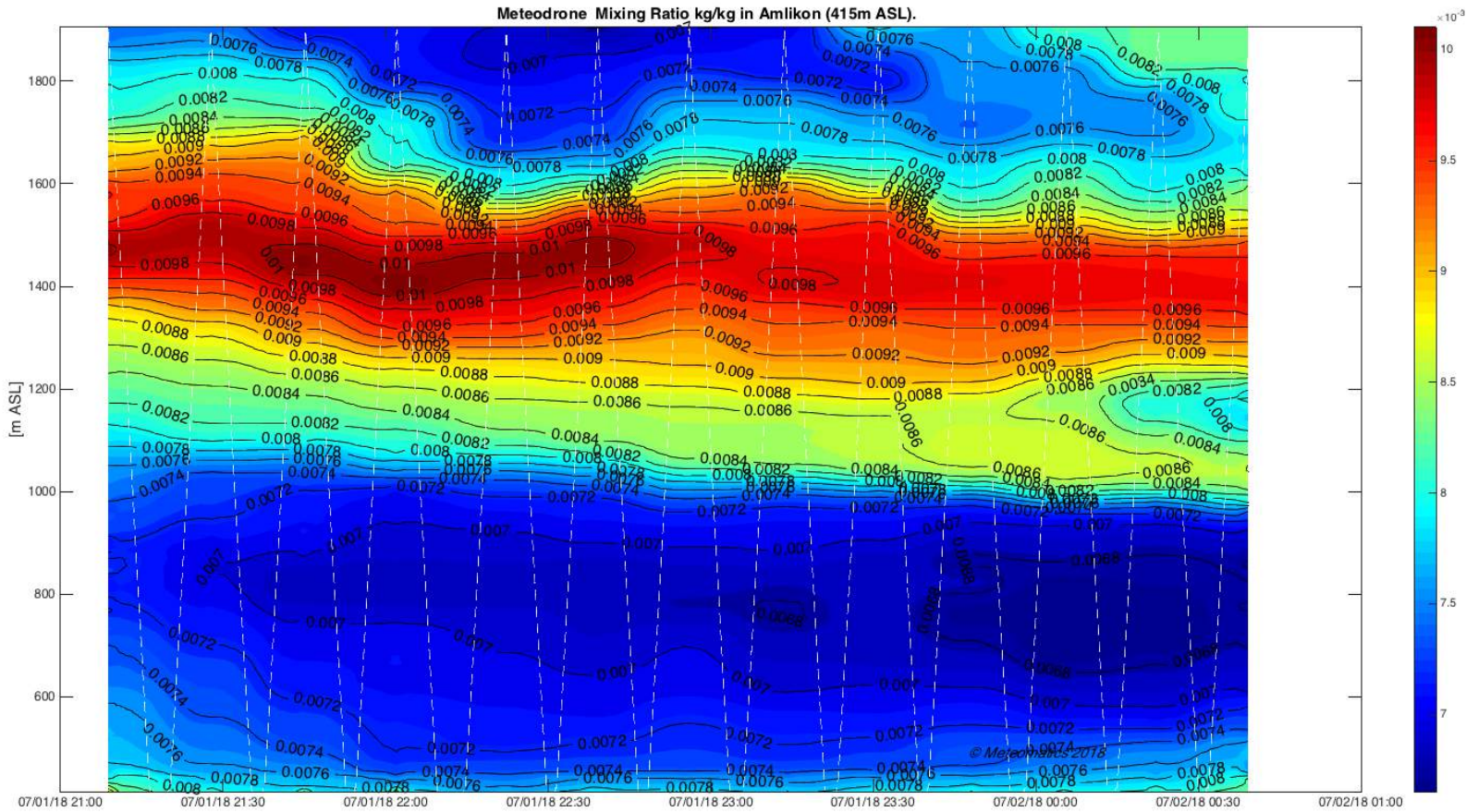
Amlikon 1.7./2.7.2018– relative humidity



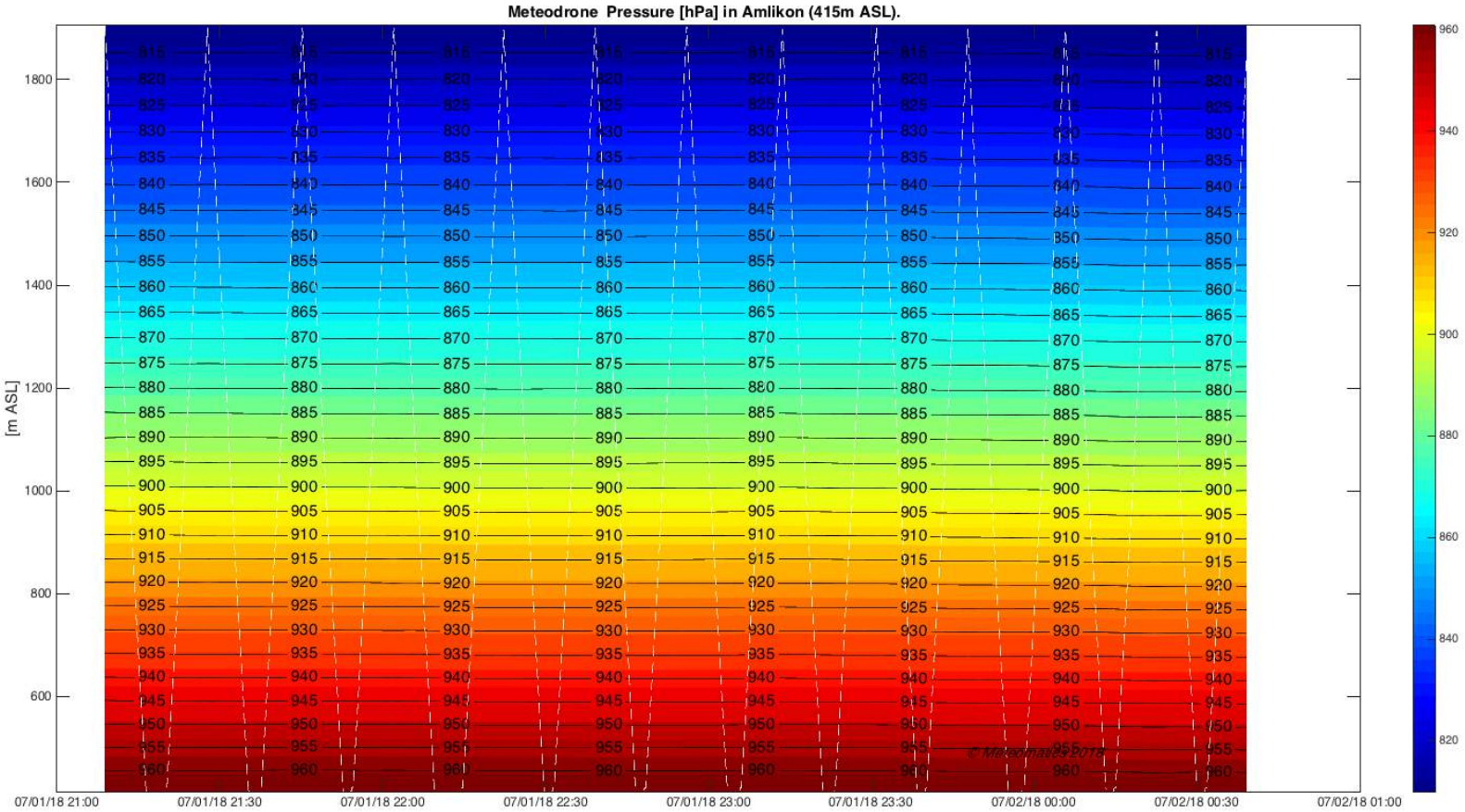
Amlikon 1.7./2.7.2018– dew point



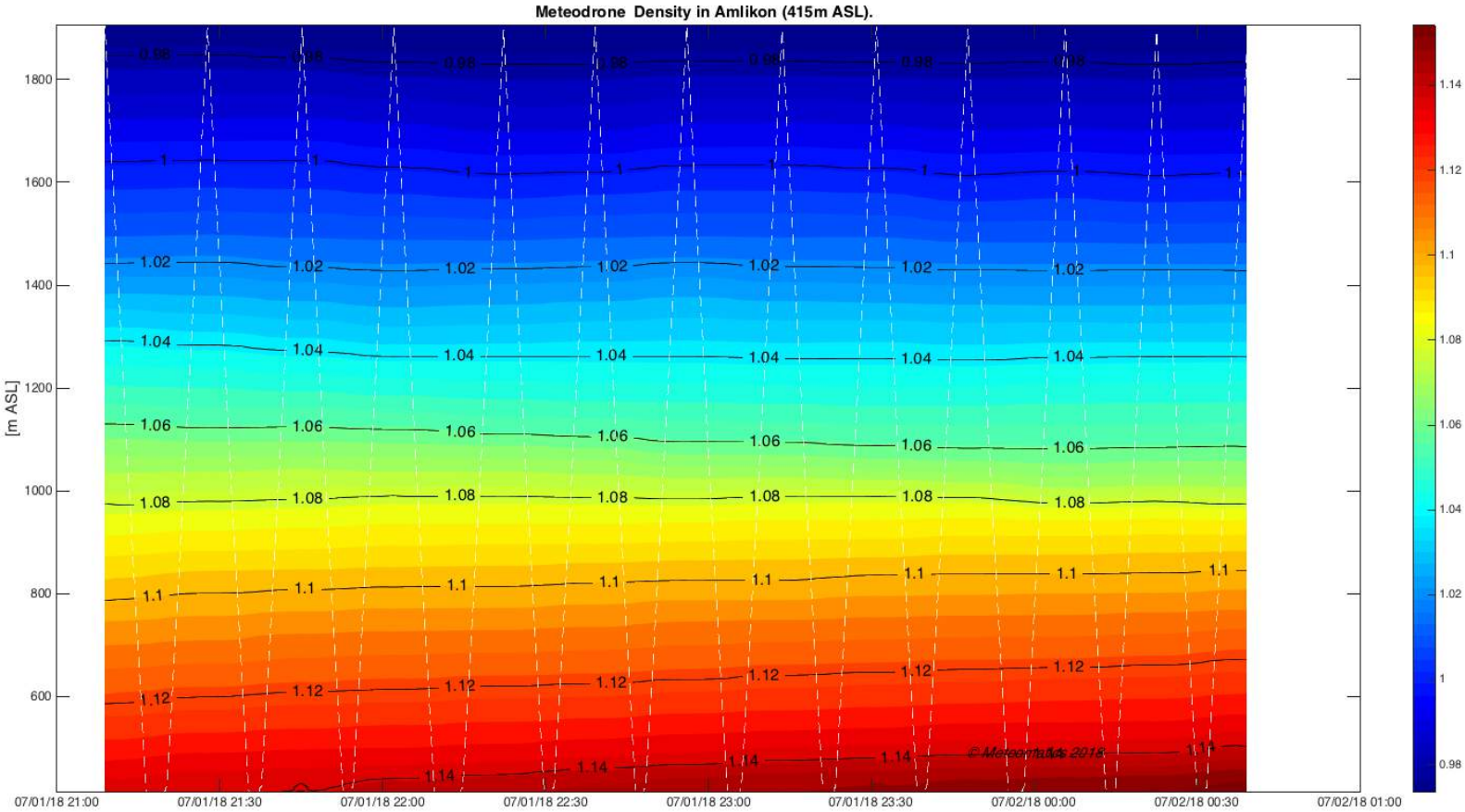
Amlikon 1.7./2.7.2018– mixing ratio



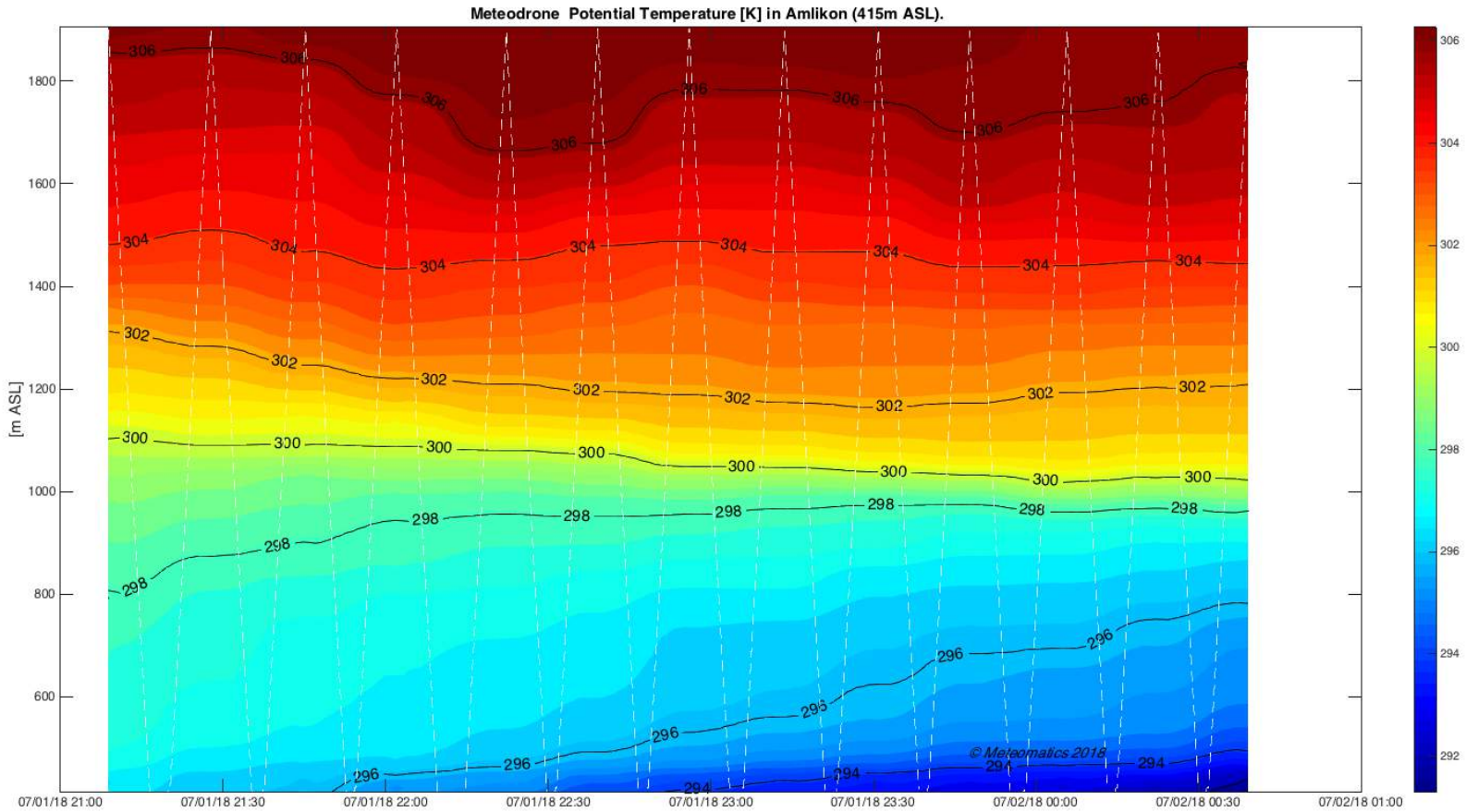
Amlikon 1.7./2.7.2018– pressure



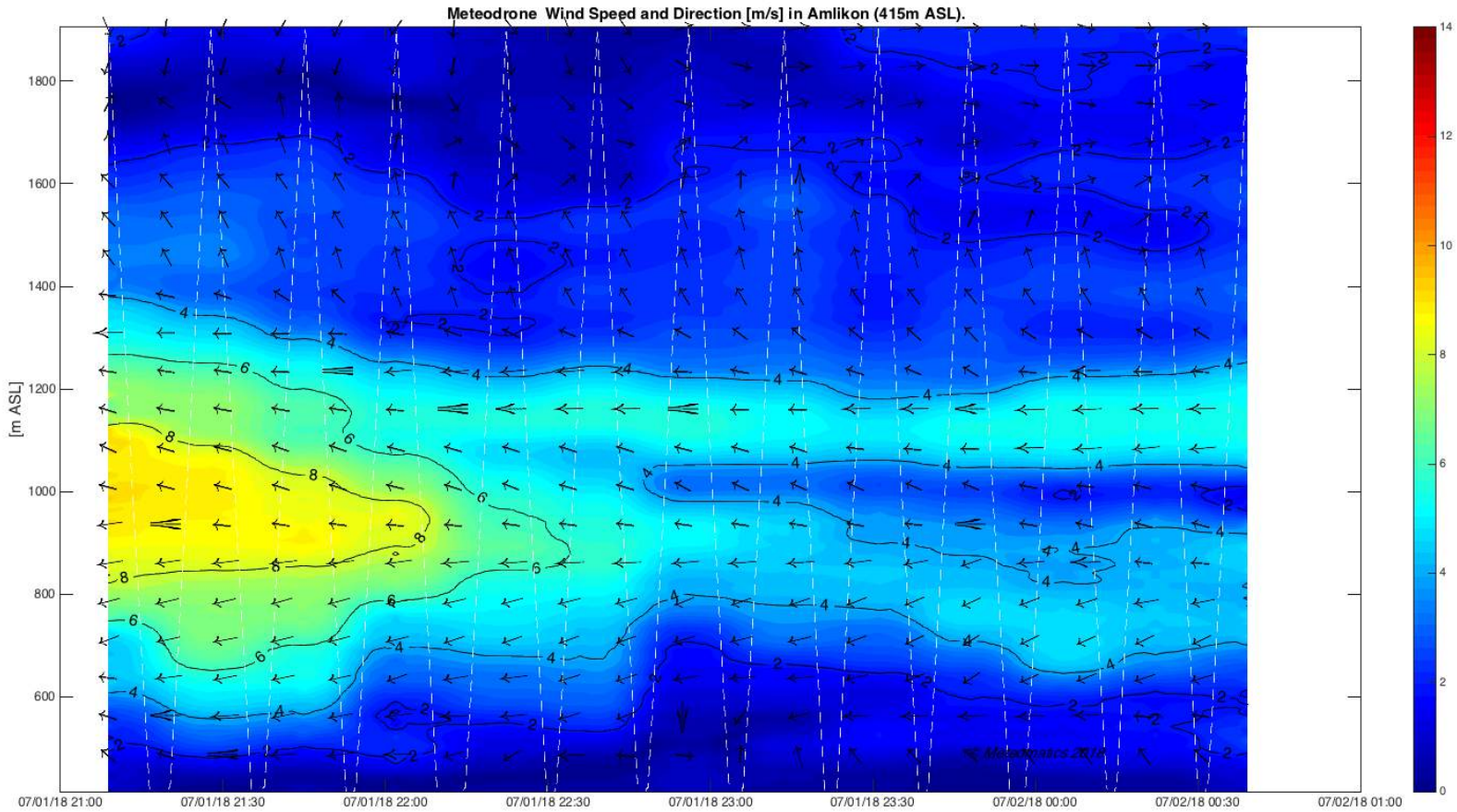
Amlikon 1.7./2.7.2018 - density



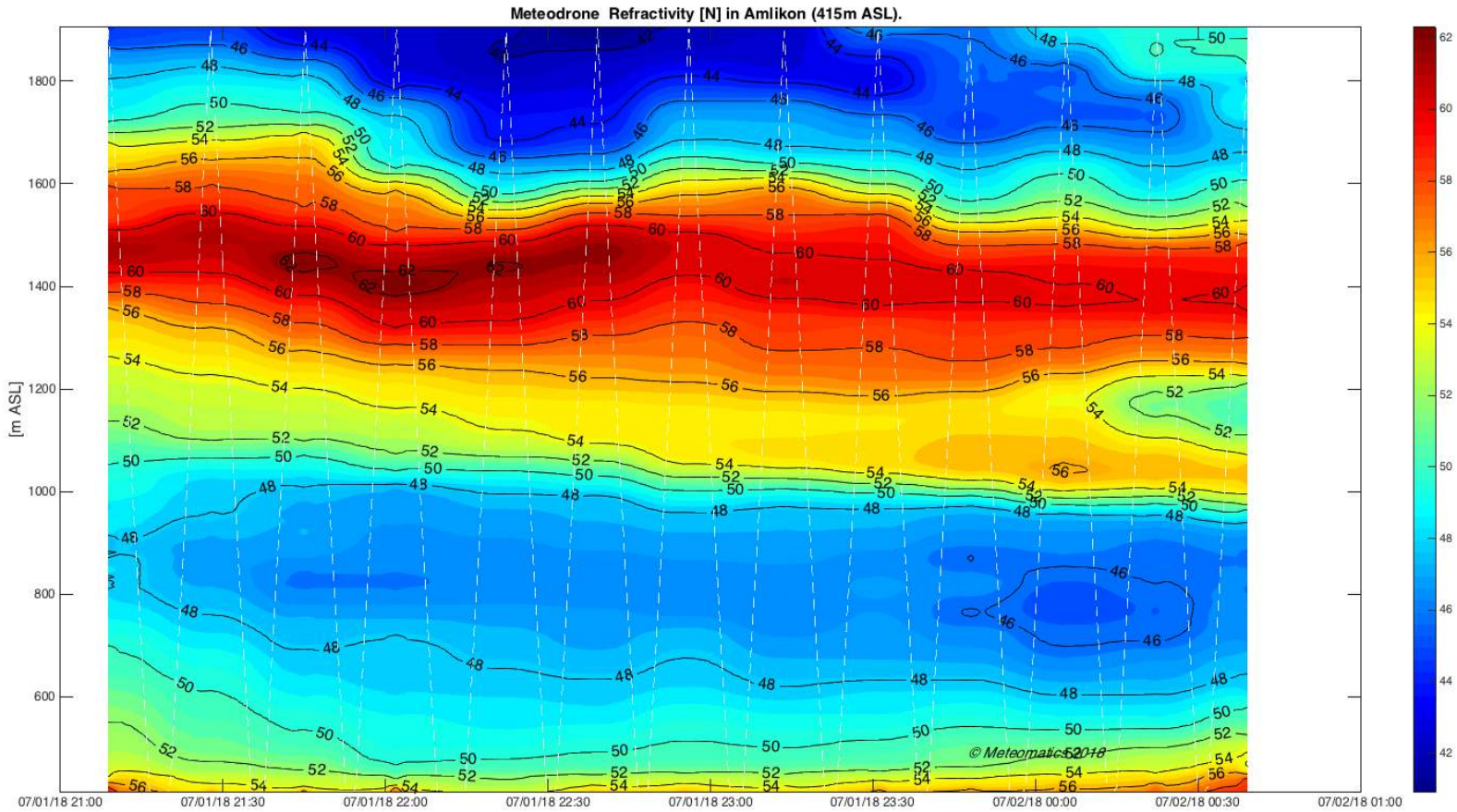
Amlikon 1.7./2.7.2018 – potential temperature



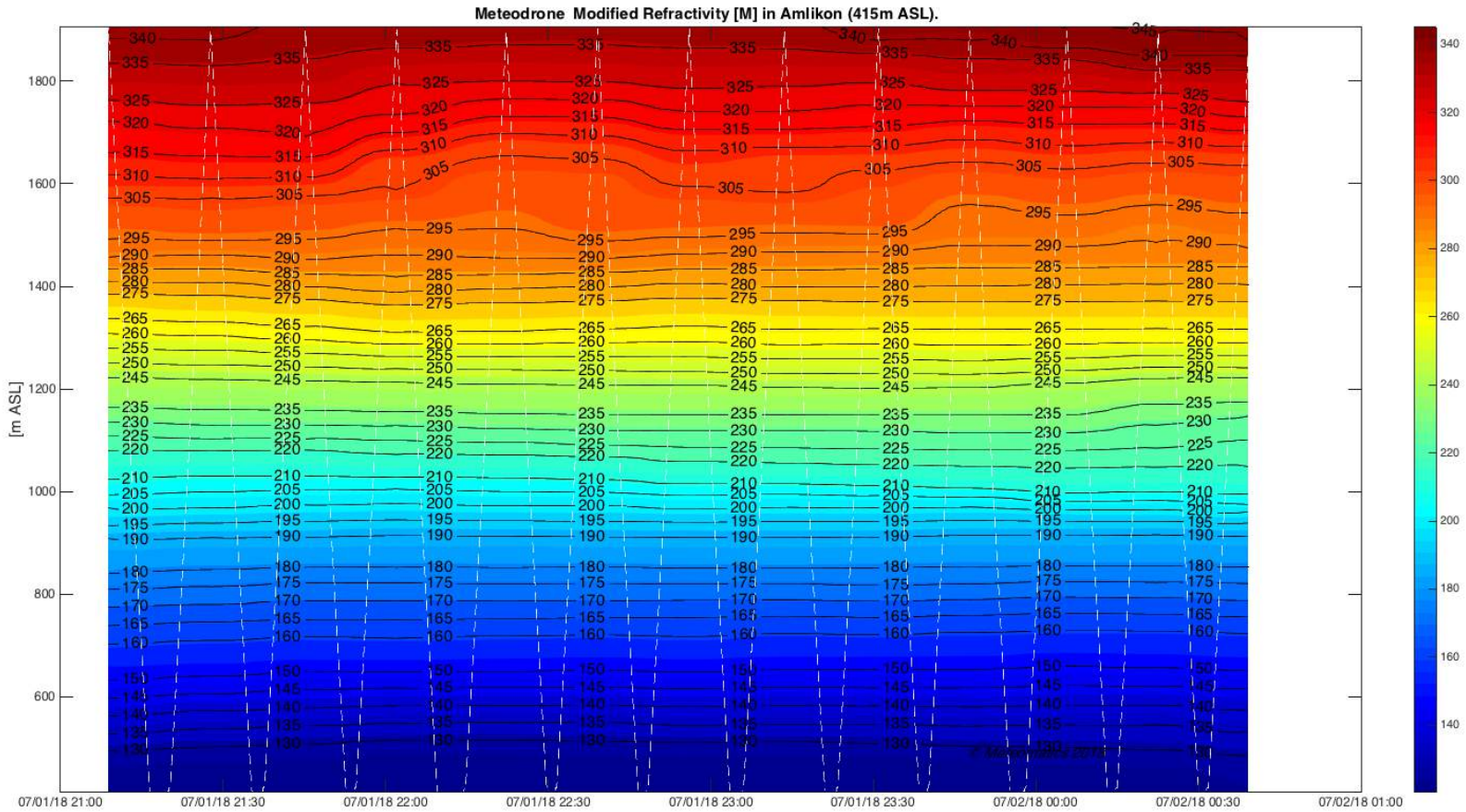
Amlikon 1.7./2.7.2018 – wind speed & direction



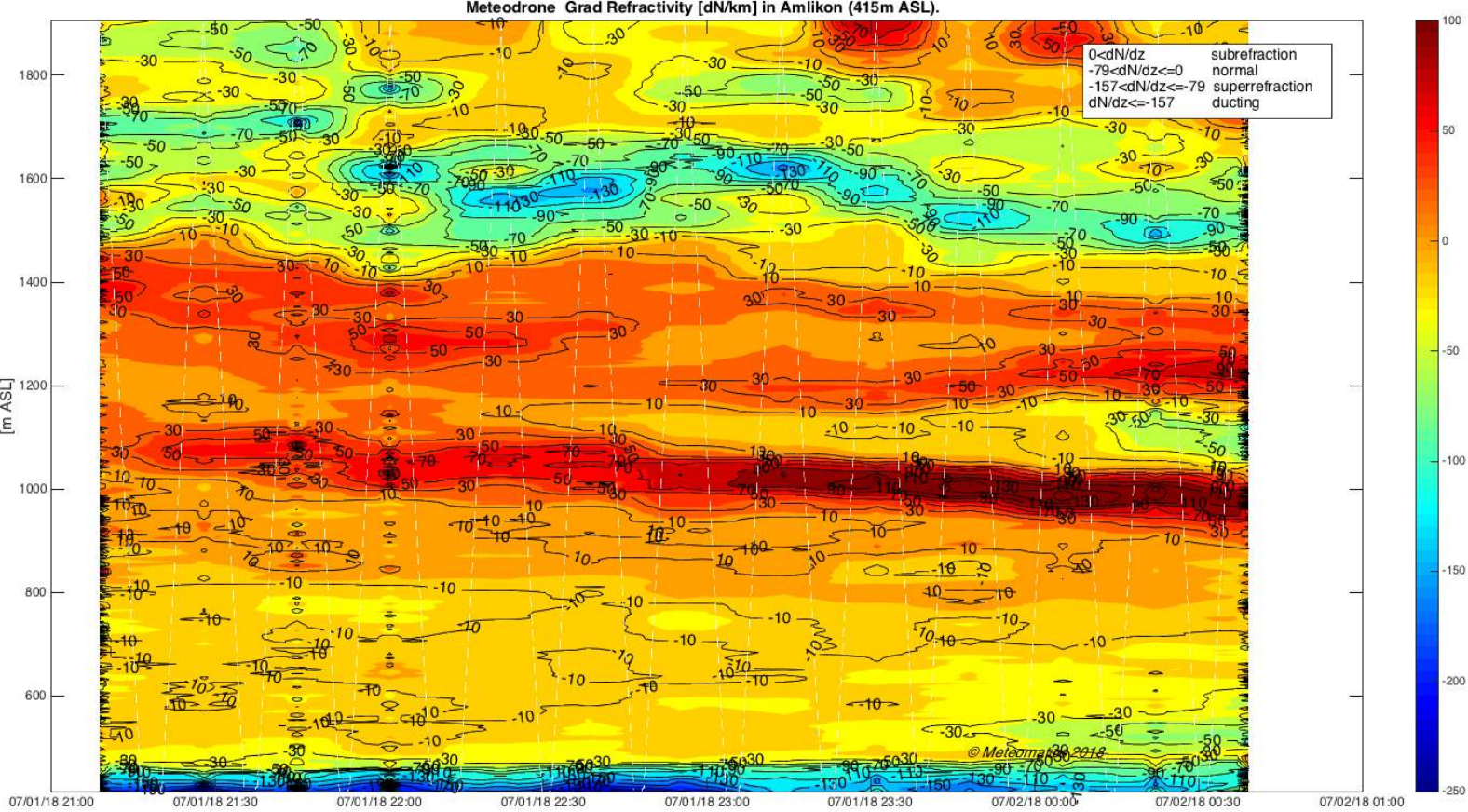
Amlikon 1.7./2.7.2018 – refractivity



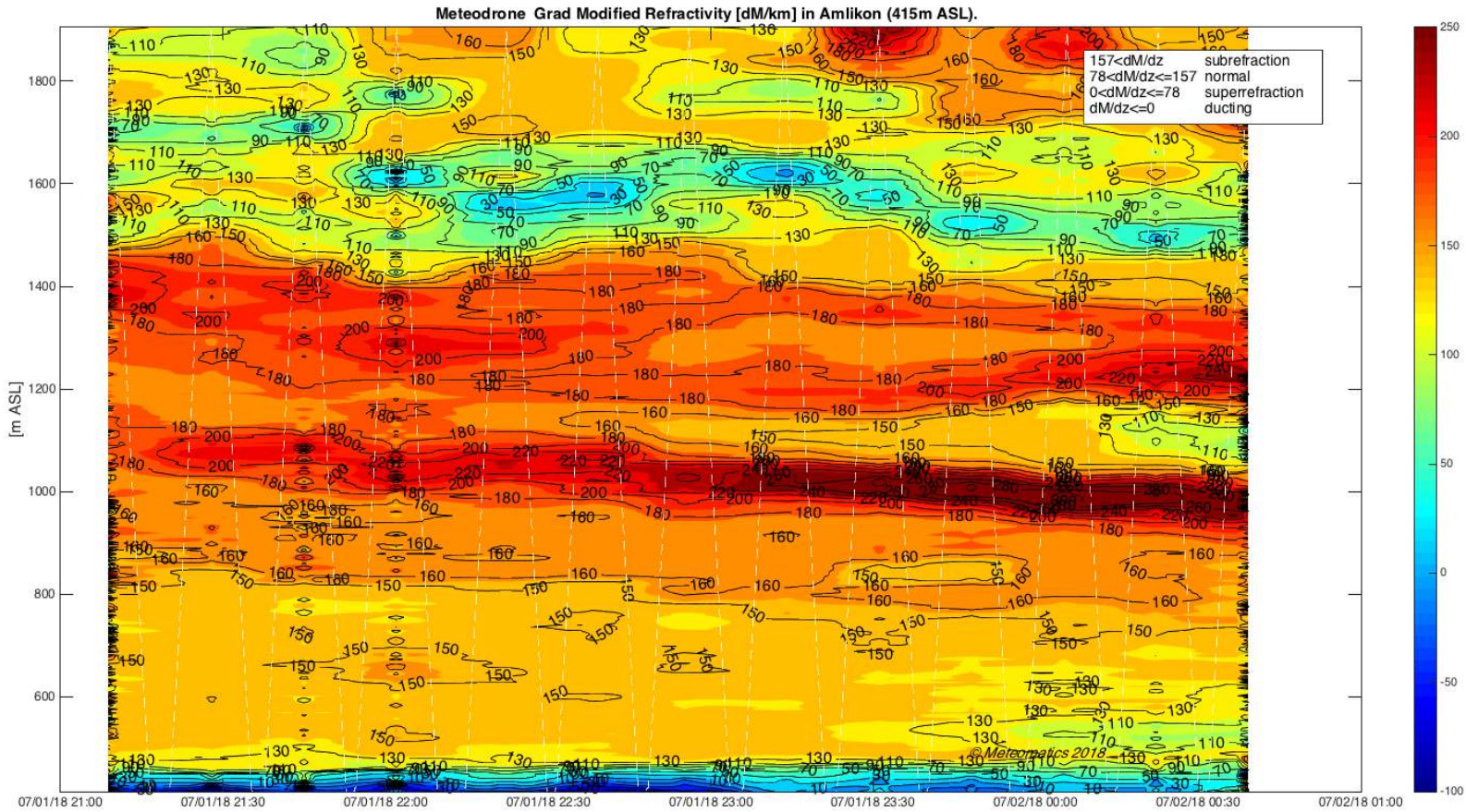
Amlikon 1.7./2.7.2018 – modified refractivity



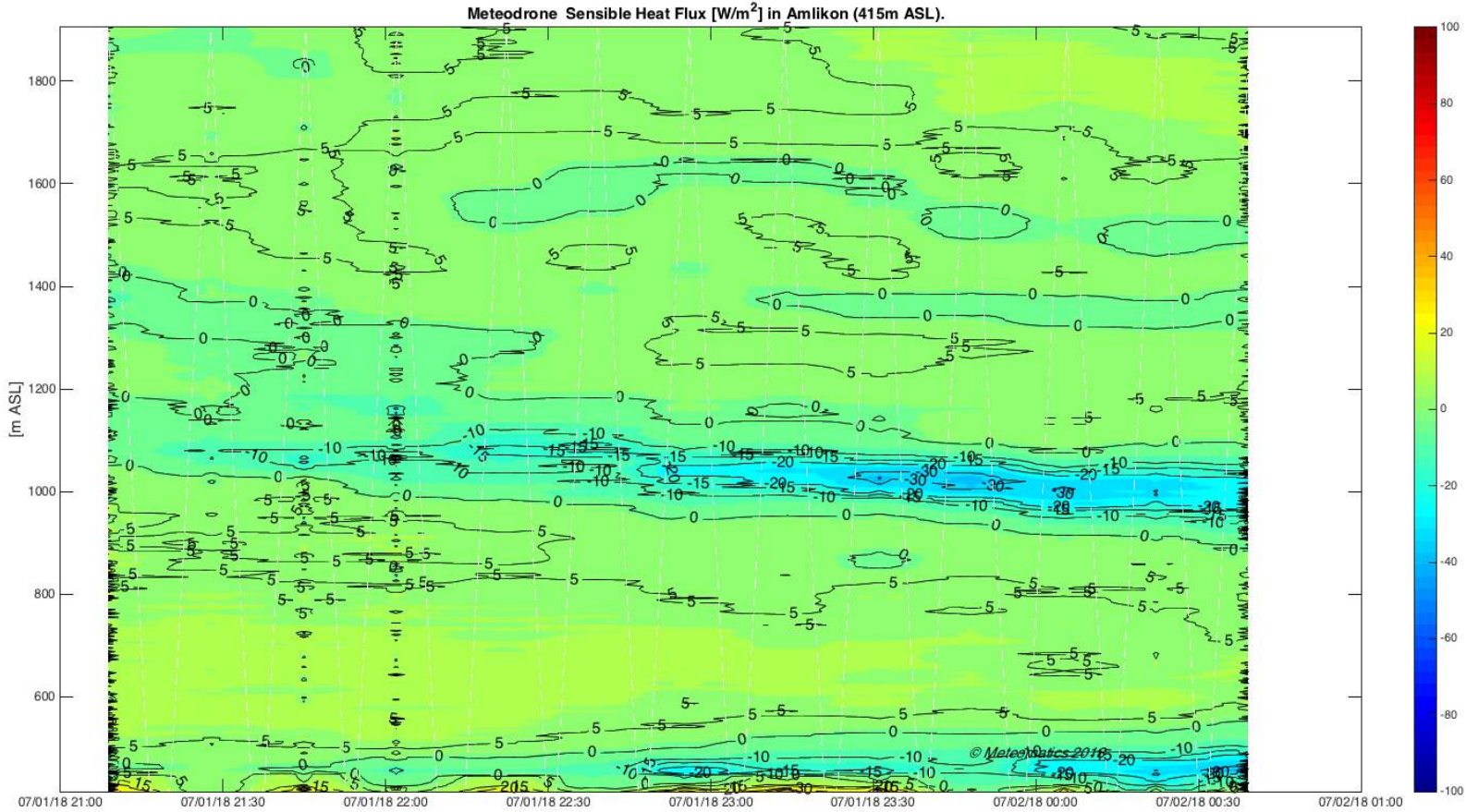
Amlikon 1.7./2.7.2018 – grad refractivity



Amlikon 1.7./2.7.2018 – grad modified refractivity



Amlikon 1.7./2.7.2018 – sensible heat flux





Dr. Martin Fengler

CEO

mfengler@meteomatics.com

Meteomatics AG

Lerchenfeldstr. 3

9014 St. Gallen

Switzerland

+41 71 272 66 50

www.meteomatics.com



Meteodrones – 18.4./19.4.2018

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Meteodrone „Classic“ – BVLOS approved

Component to stay in reserved airspace

Parachute Rescue System

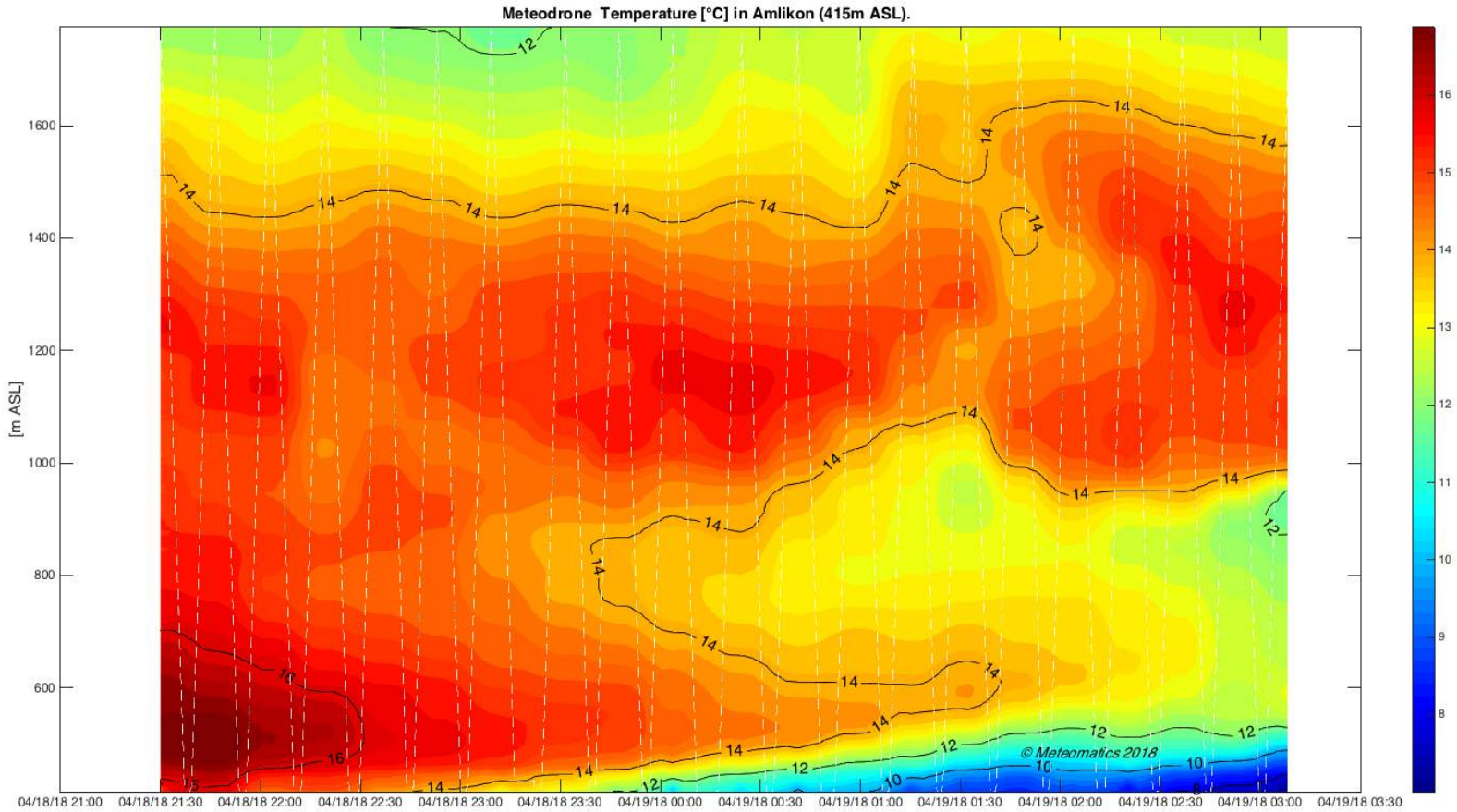


- > 2'000 flight hours
- > 14'000 vertical profiles

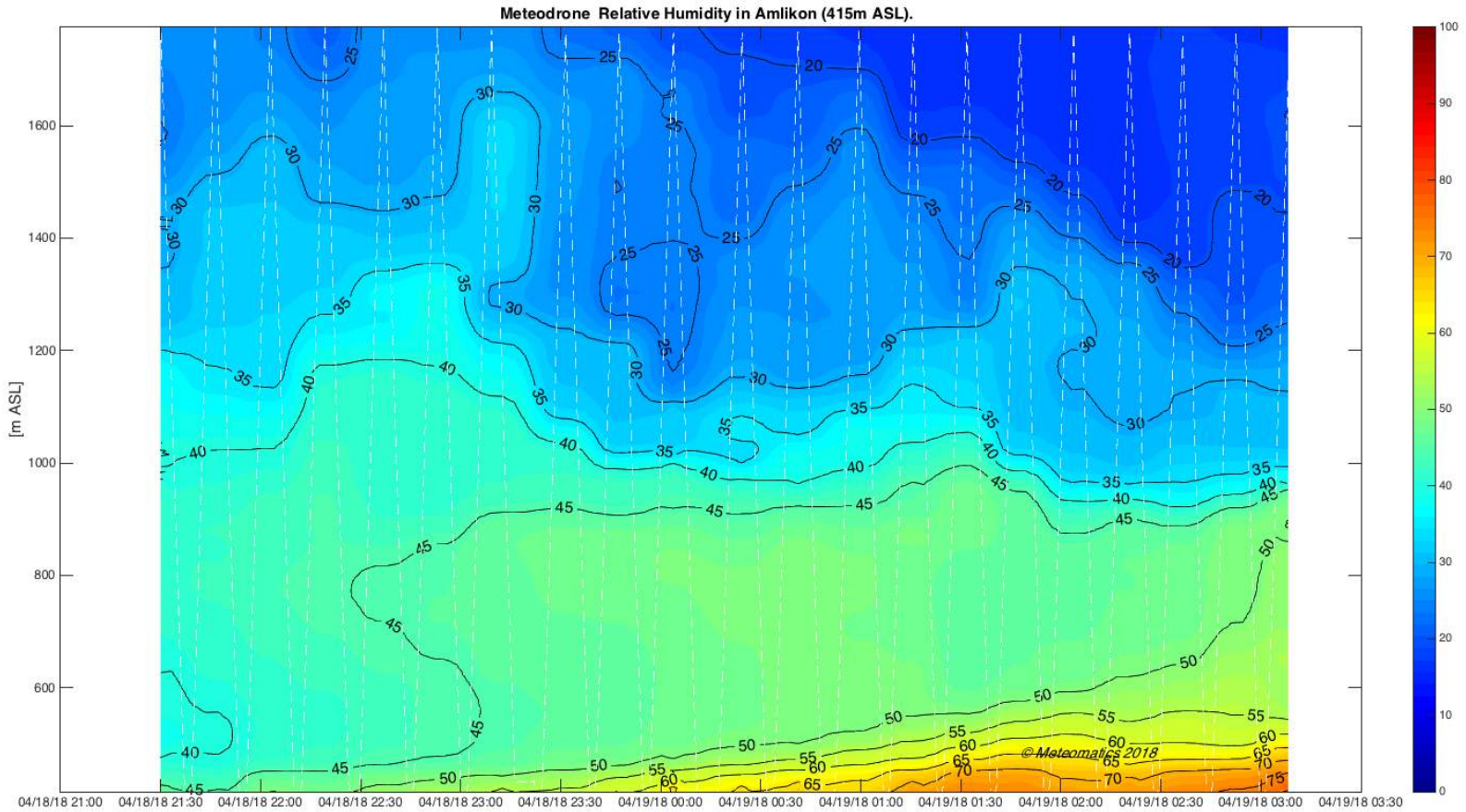
White strobe (visibility >3km)

Wind measurement using aircraft pitch & roll

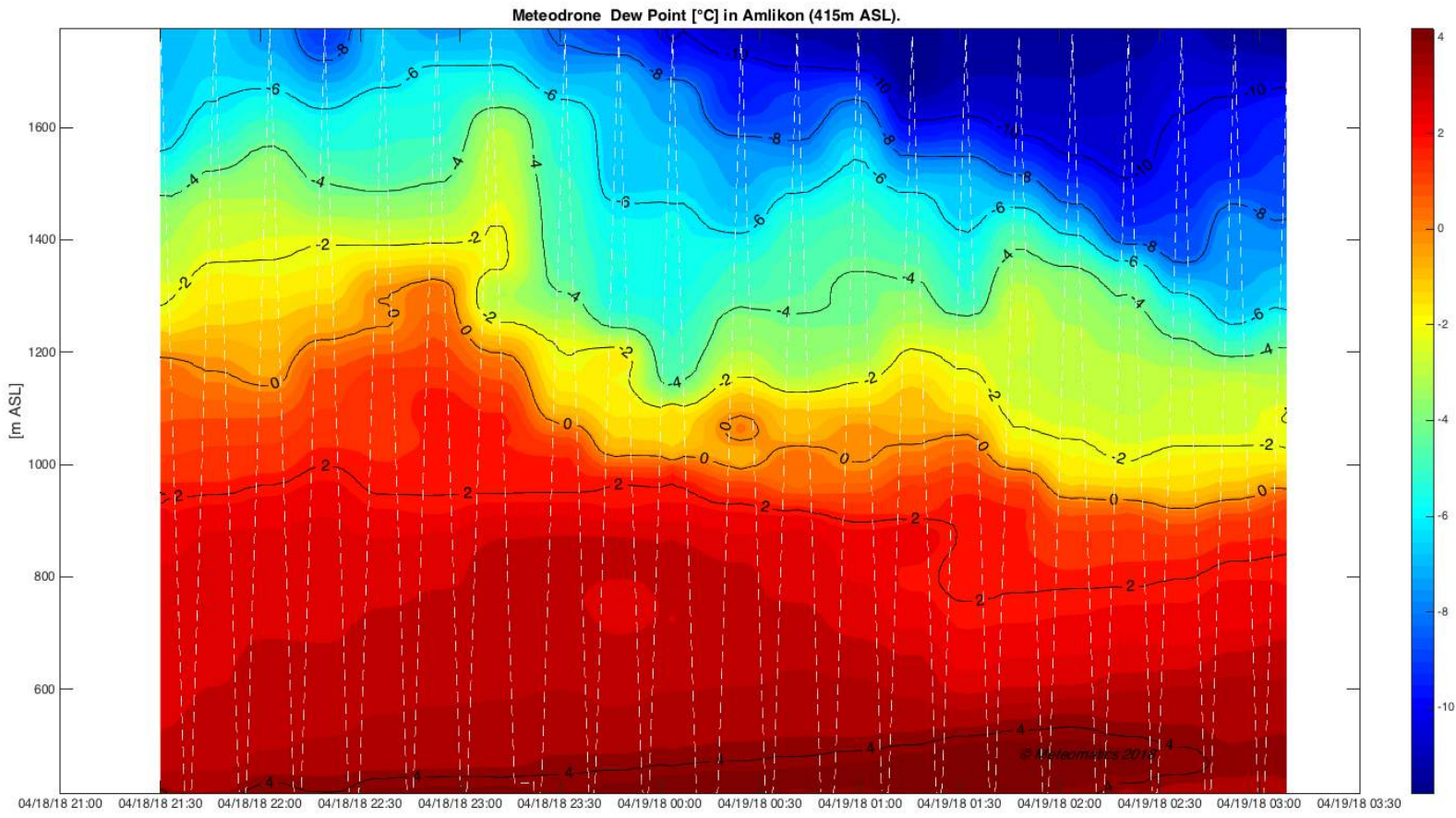
Amlikon 18.4./19.4.2018 – temperature



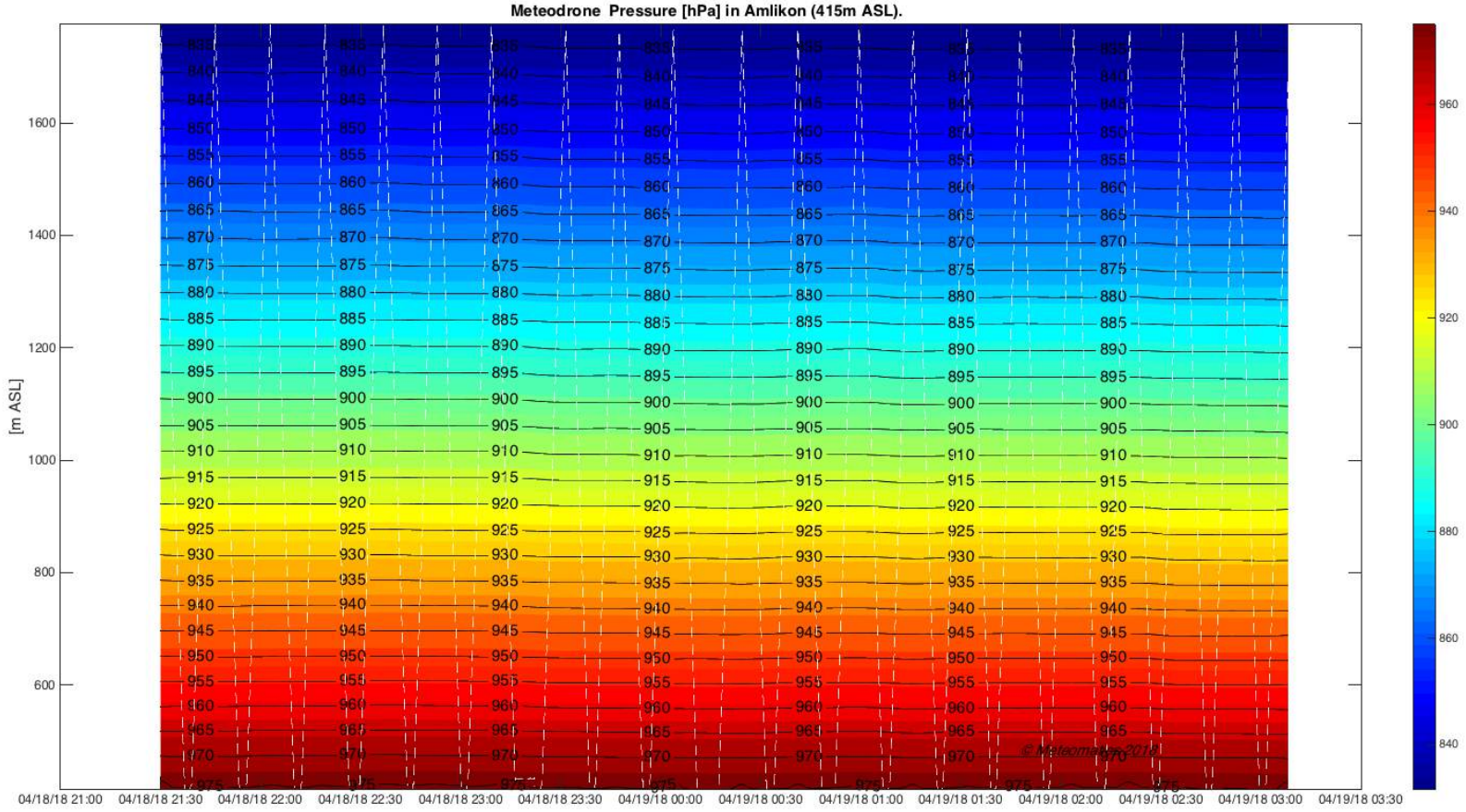
Amlikon 18.4./19.4.2018 – relative humidity



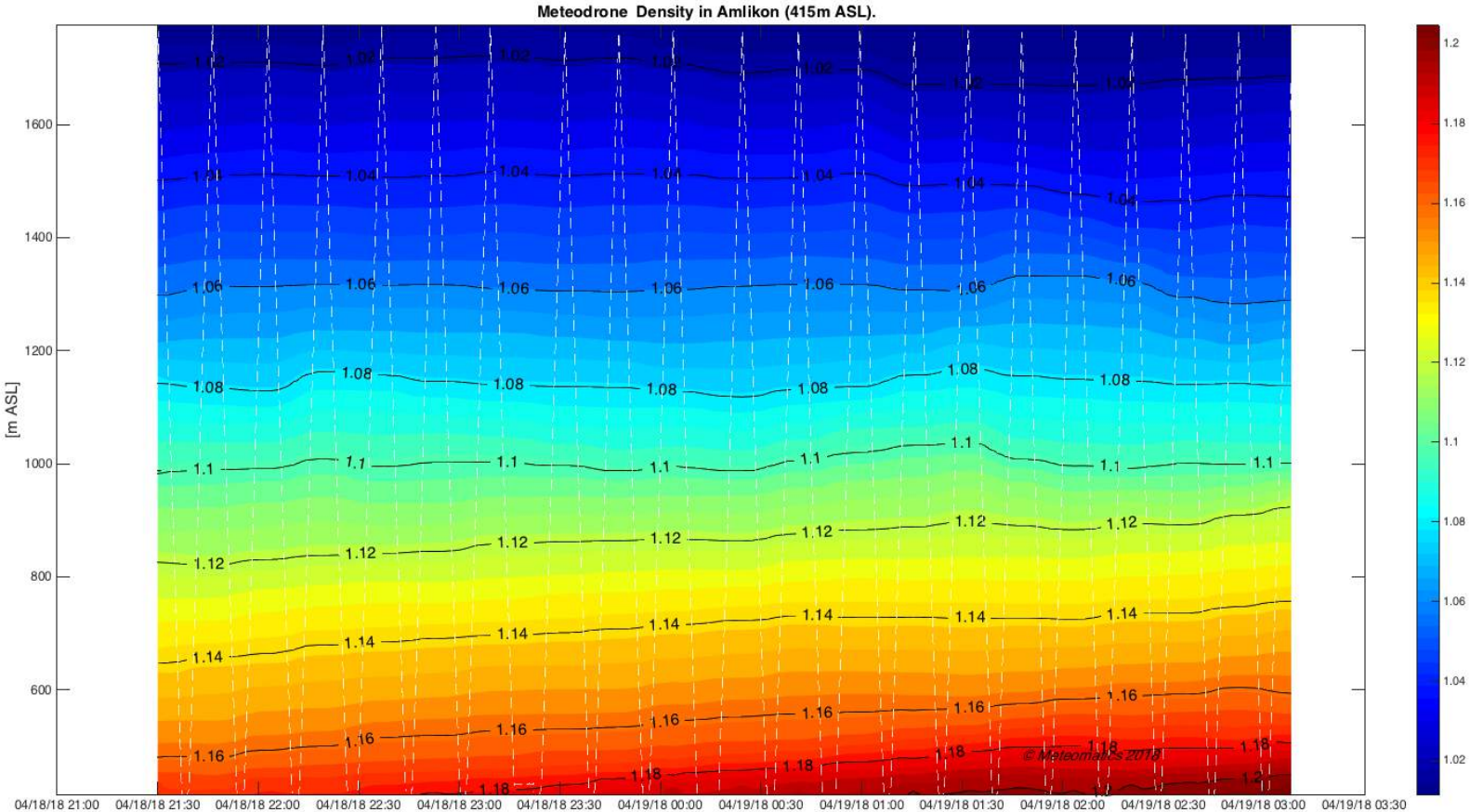
Amlikon 18.4./19.4.2018 – dew point



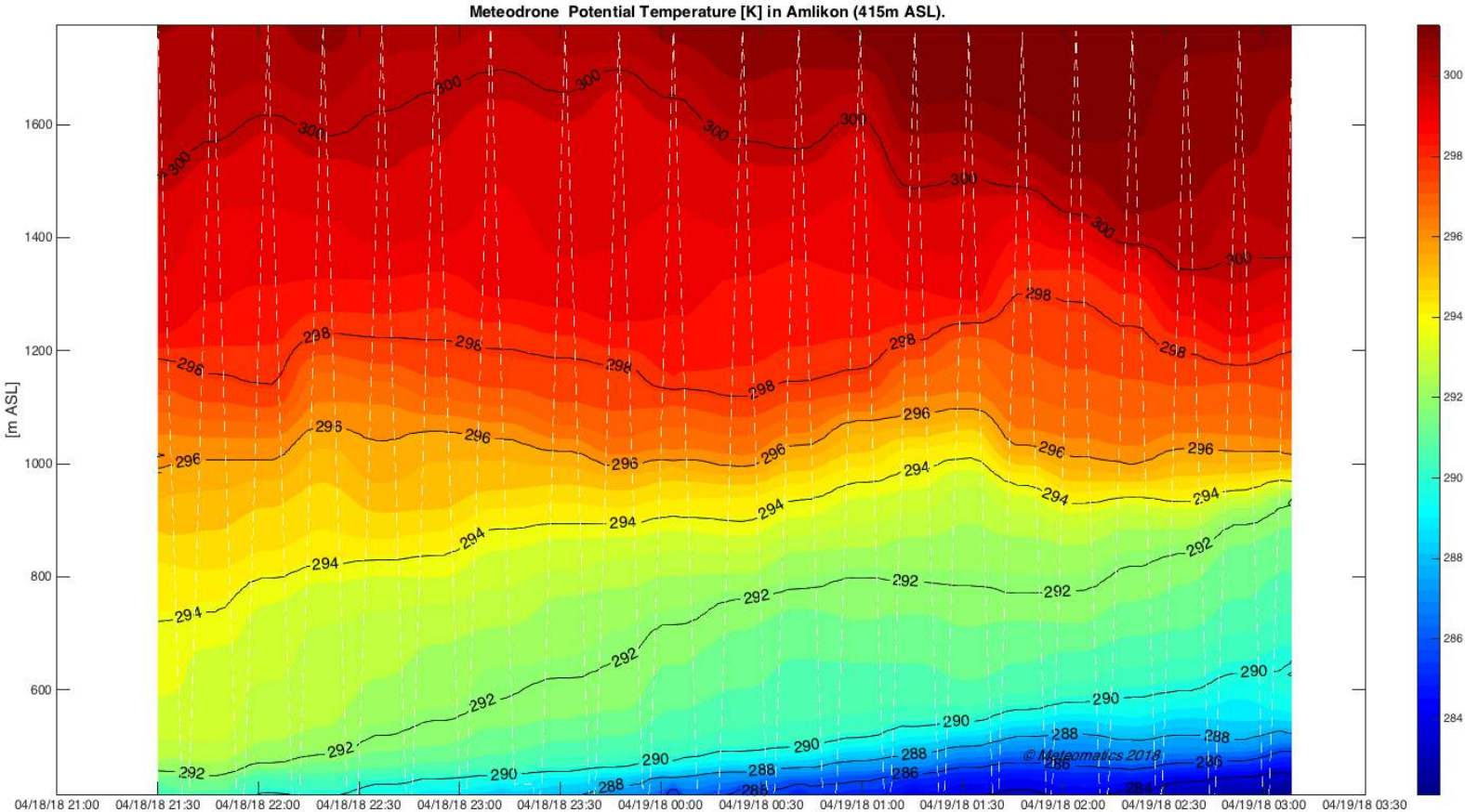
Amlikon 18.4./19.4.2018 – pressure



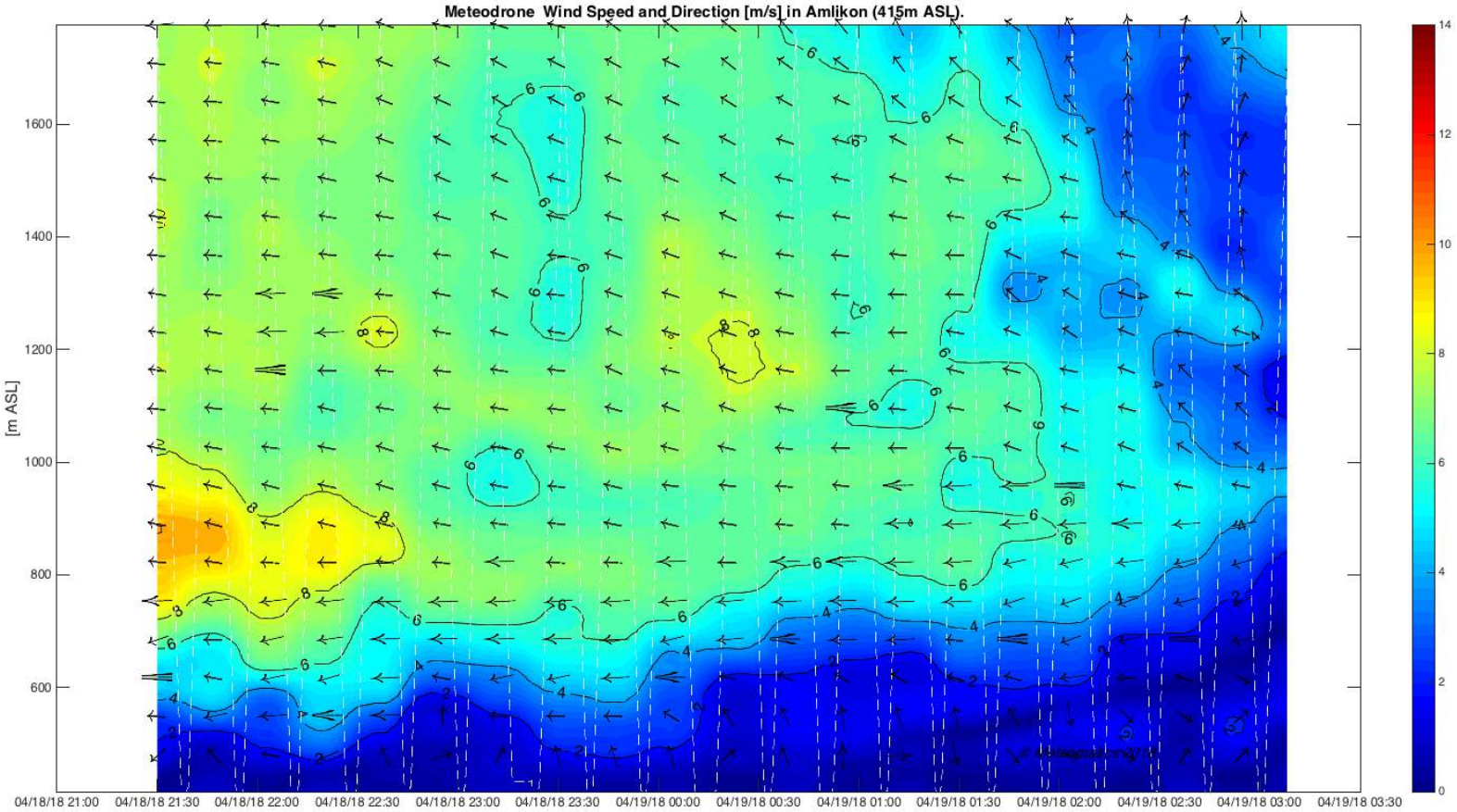
Amlikon 18.4./19.4.2018 - density



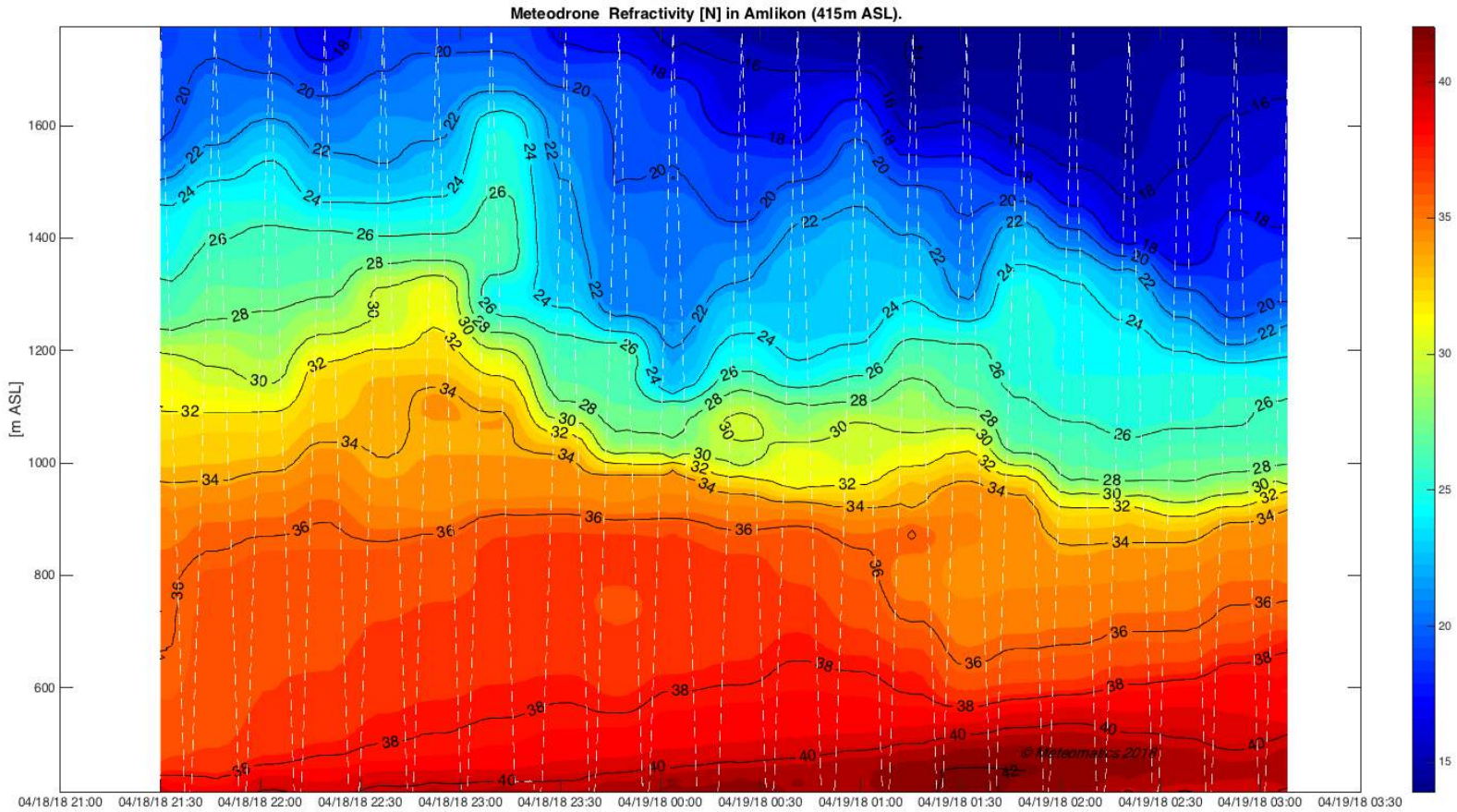
Amlikon 18.4./19.4.2018 – potential temperature



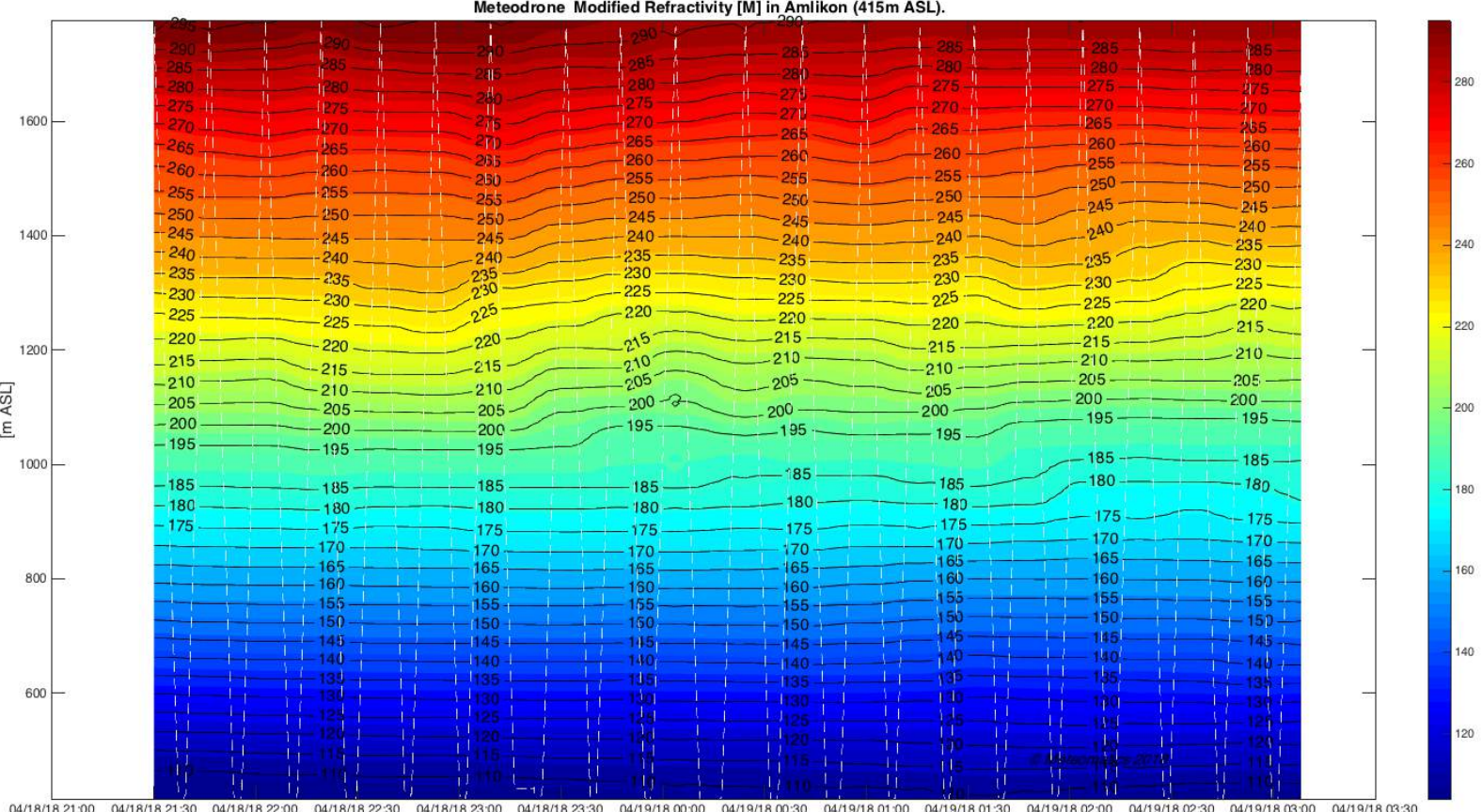
Amlikon 18.4./19.4.2018 – wind speed & direction



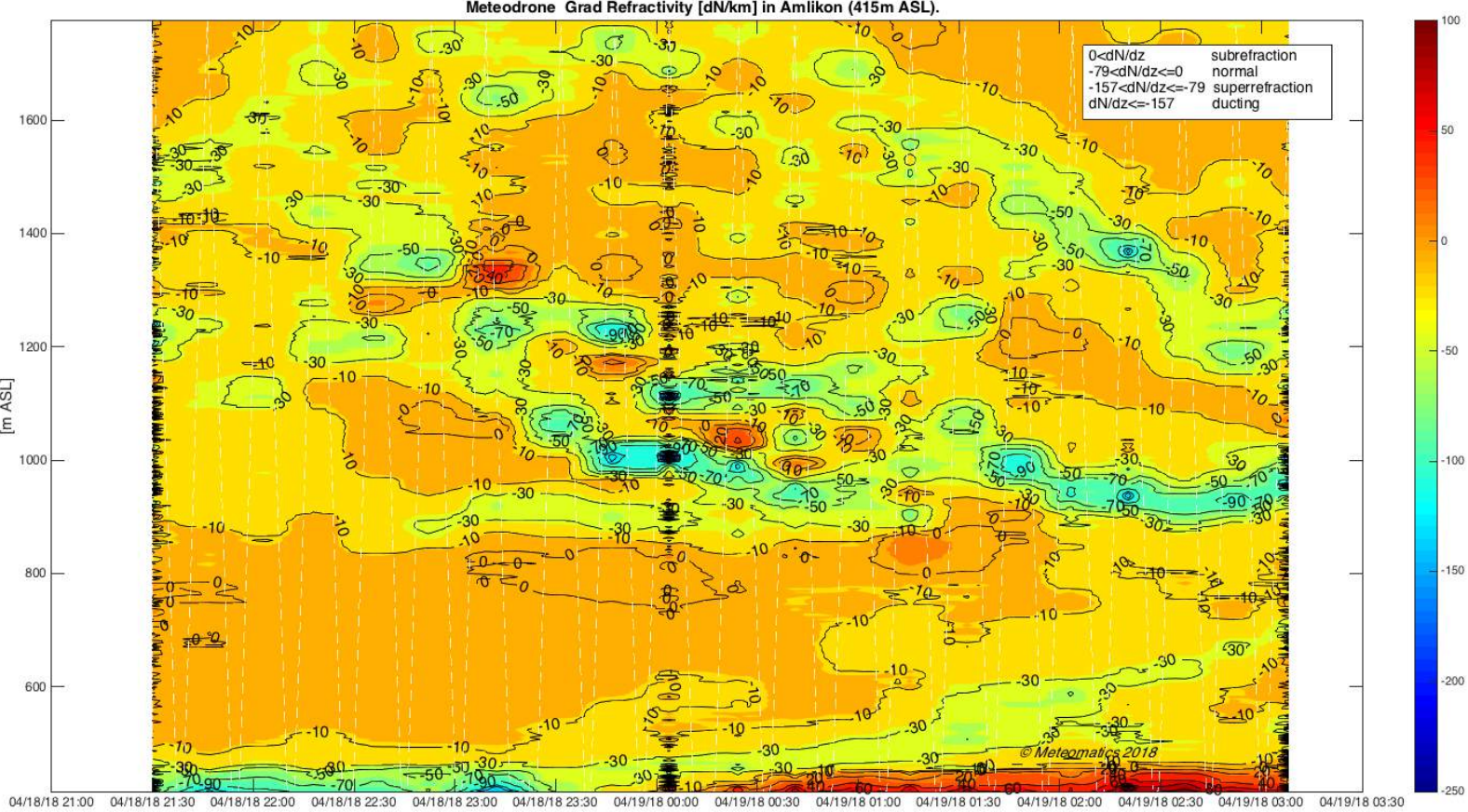
Amlikon 18.4./19.4.2018 –refractivity



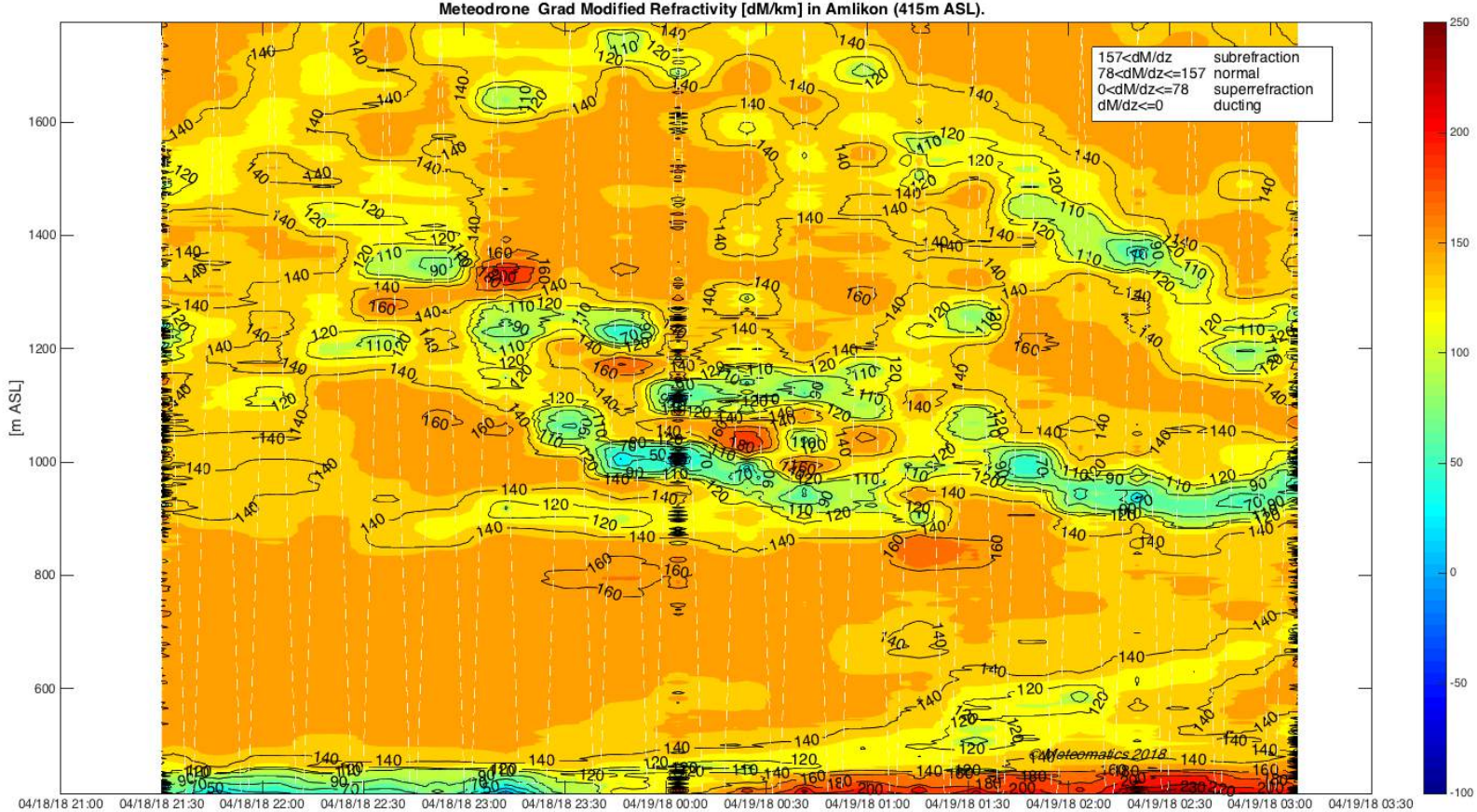
Amlikon 18.4./19.4.2018 – modified refractivity



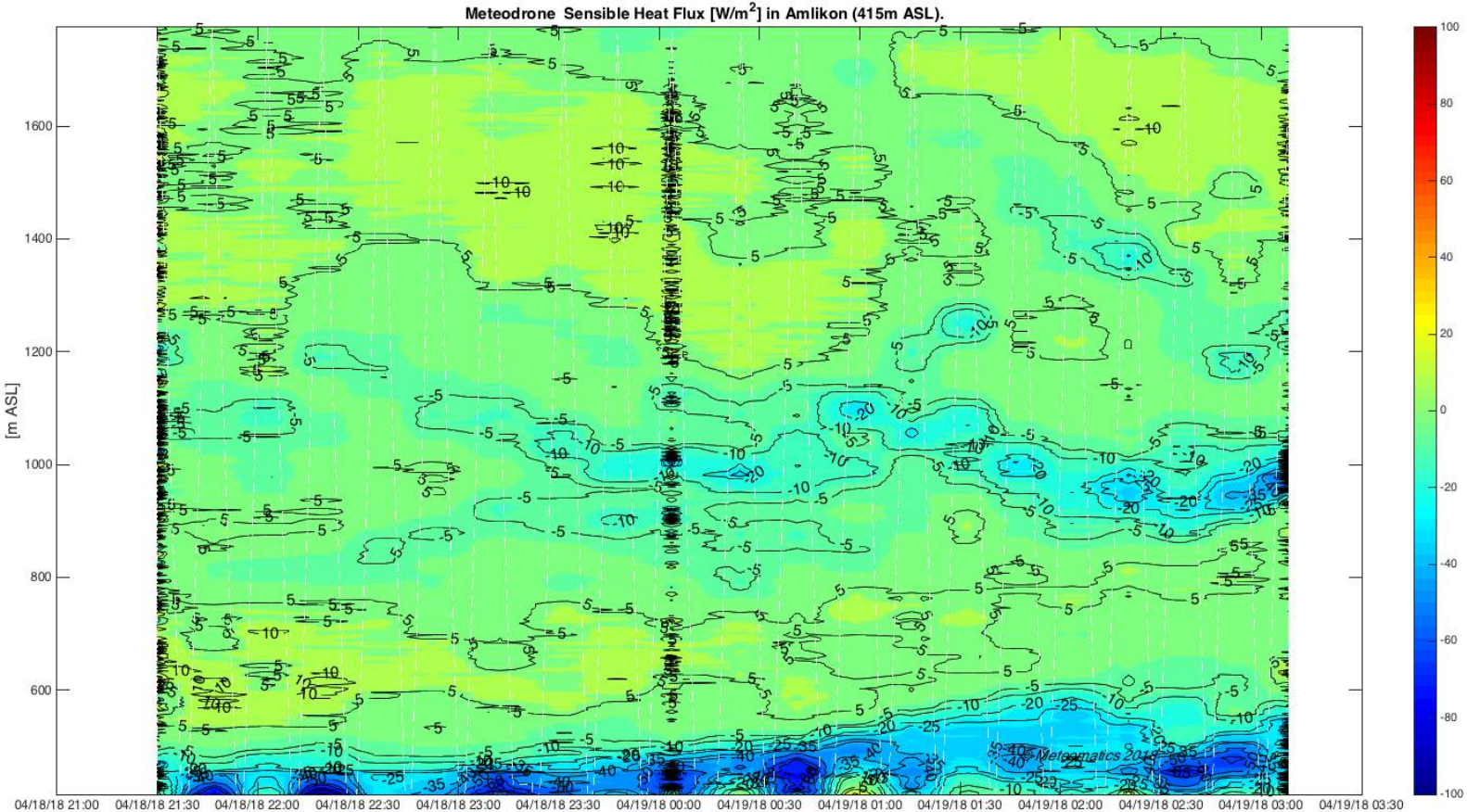
Amlikon 18.4./19.4.2018 – grad refractivity



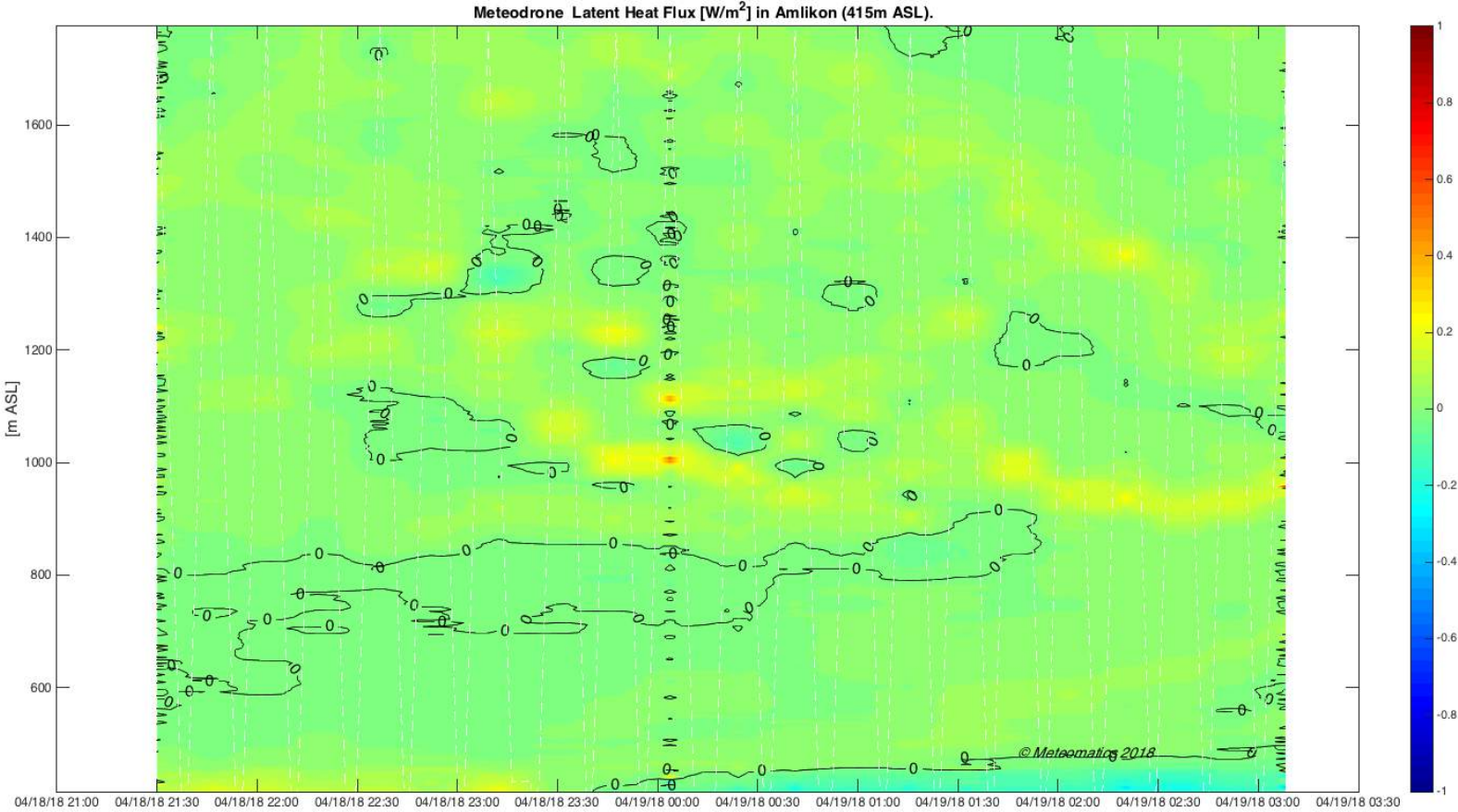
Amlikon 18.4./19.4.2018 – grad modified refractivity



Amlikon 18.4./19.4.2018 – sensible heat flux



Amlikon 18.4./19.4.2018 – latent heat flux





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CEO

mfengler@meteomatics.com

Meteomatics AG

Lerchenfeldstr. 3

9014 St. Gallen

Switzerland

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Meteodrones – 28.2./1.3.2018

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Meteodrone „Classic“ – BVLOS approved

Component to stay in reserved airspace

Parachute Rescue System

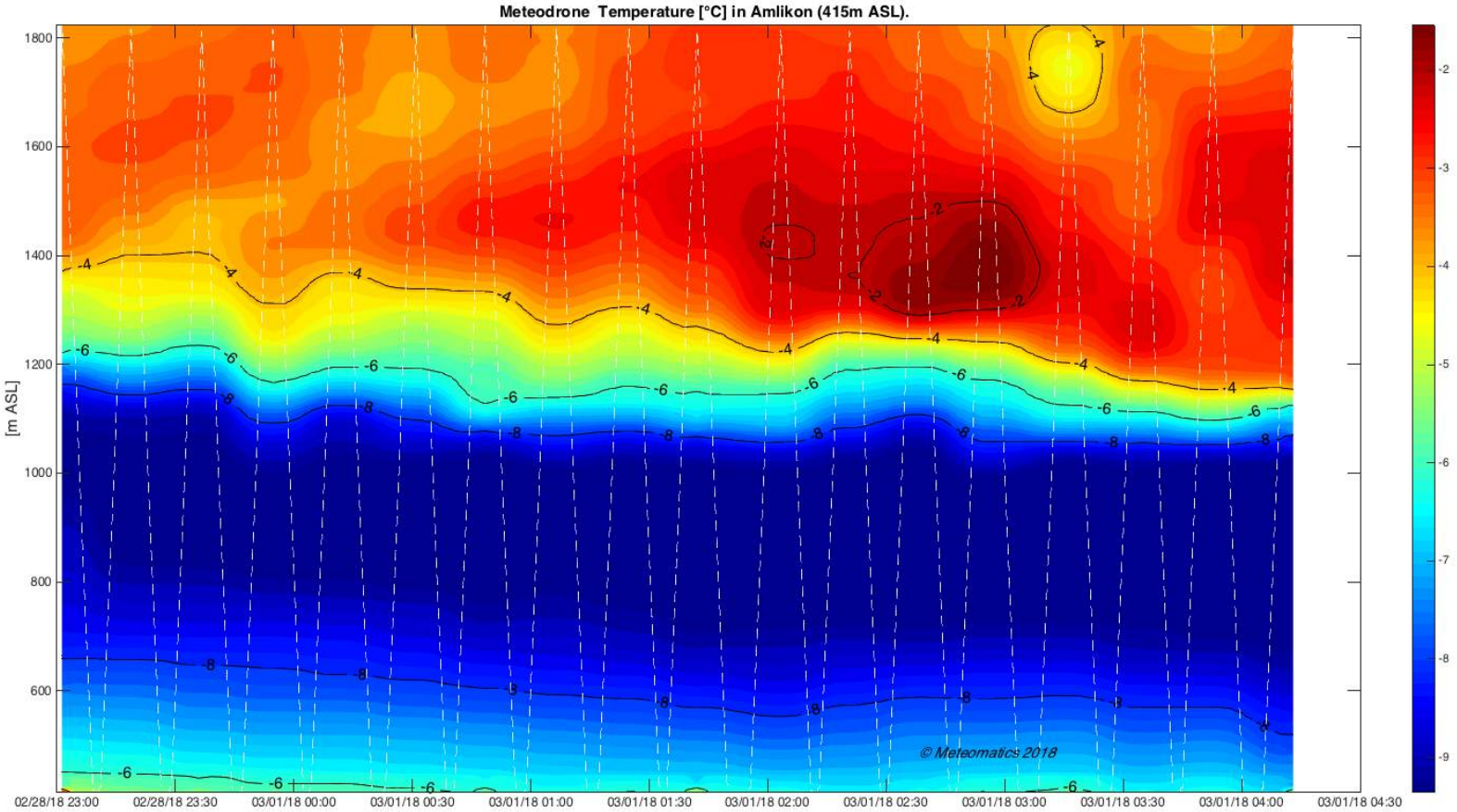


- > 2'000 flight hours
- > 14'000 vertical profiles

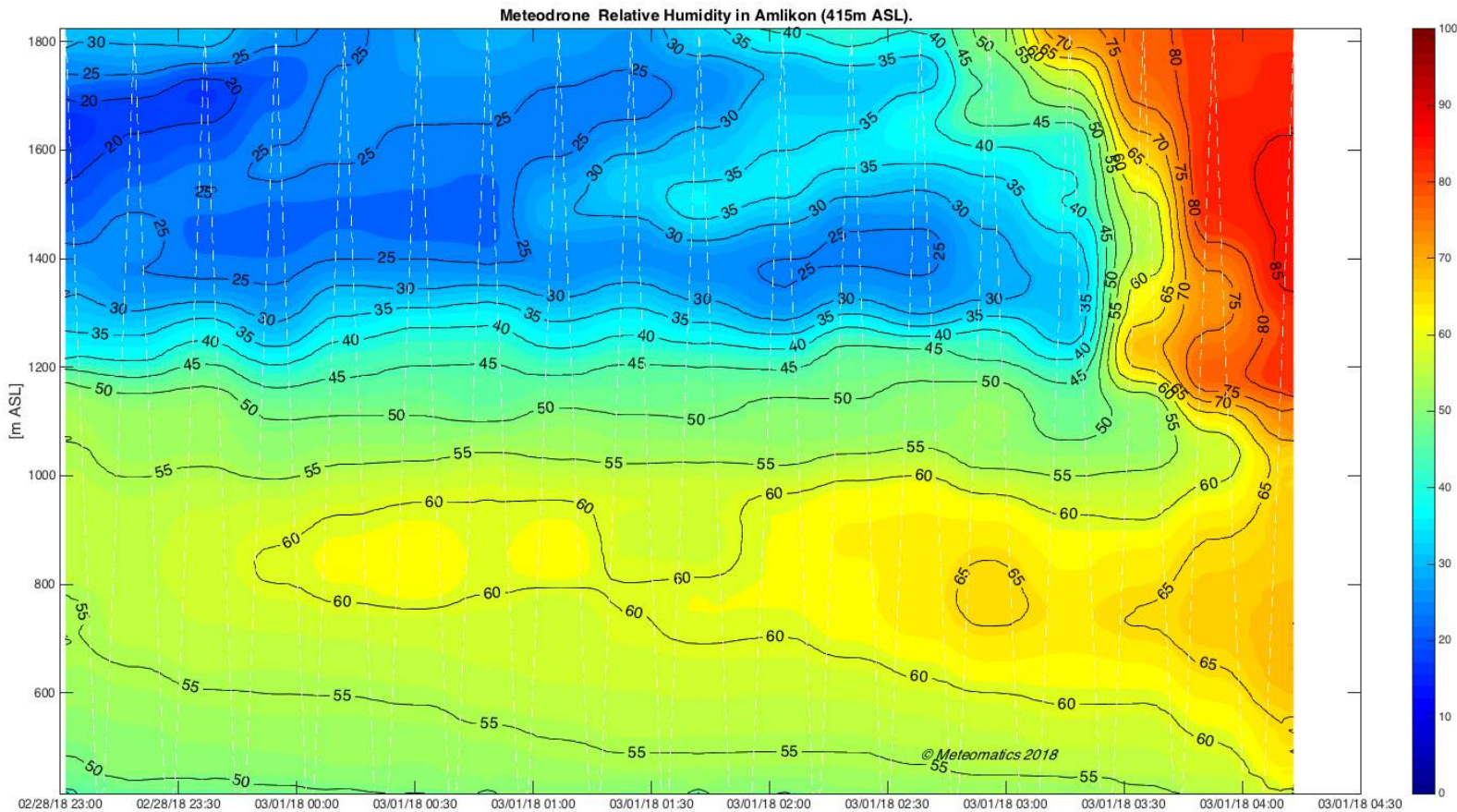
White strobe (visibility >3km)

Wind measurement using aircraft pitch & roll

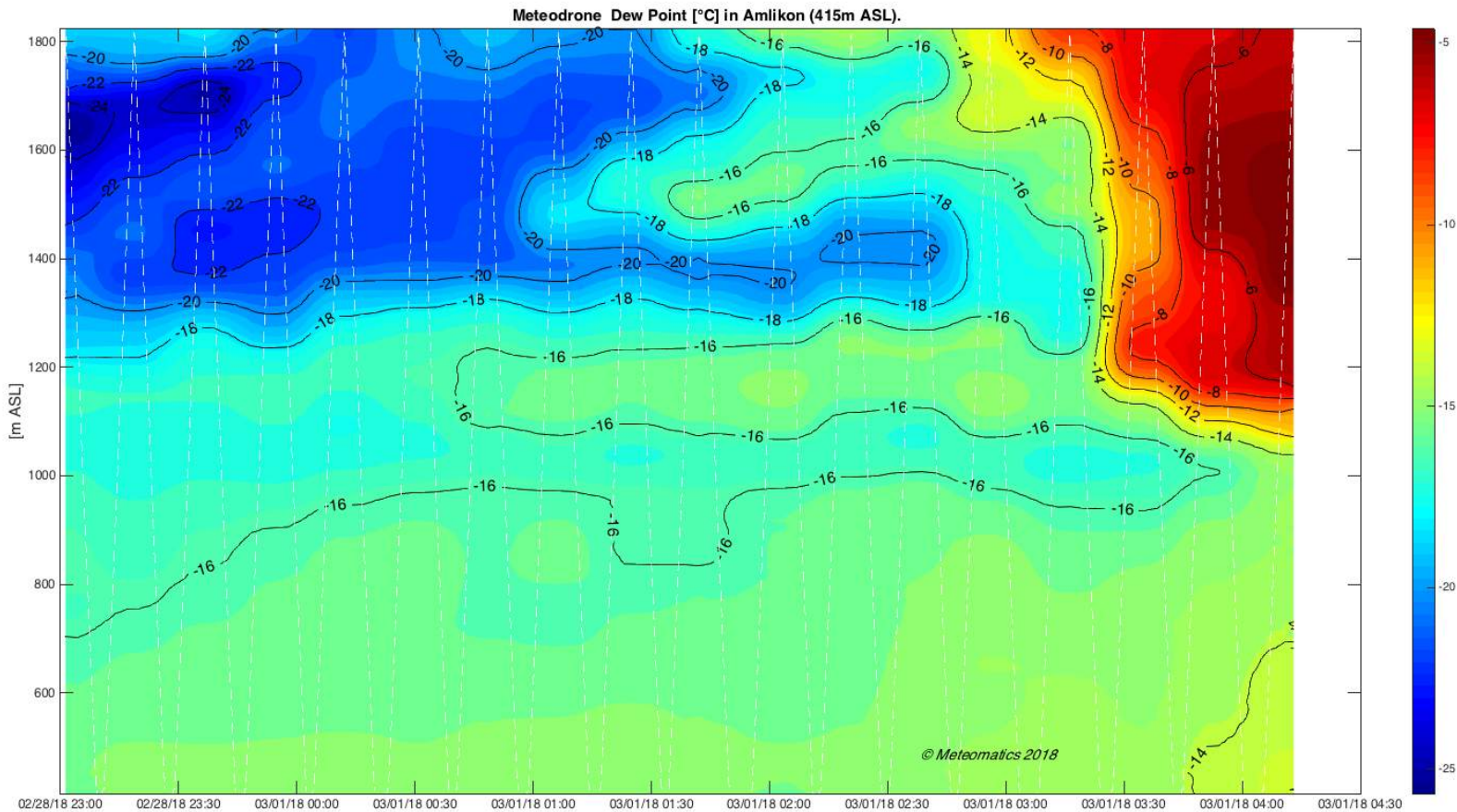
Amlikon 28.2./1.3.2018 – temperature



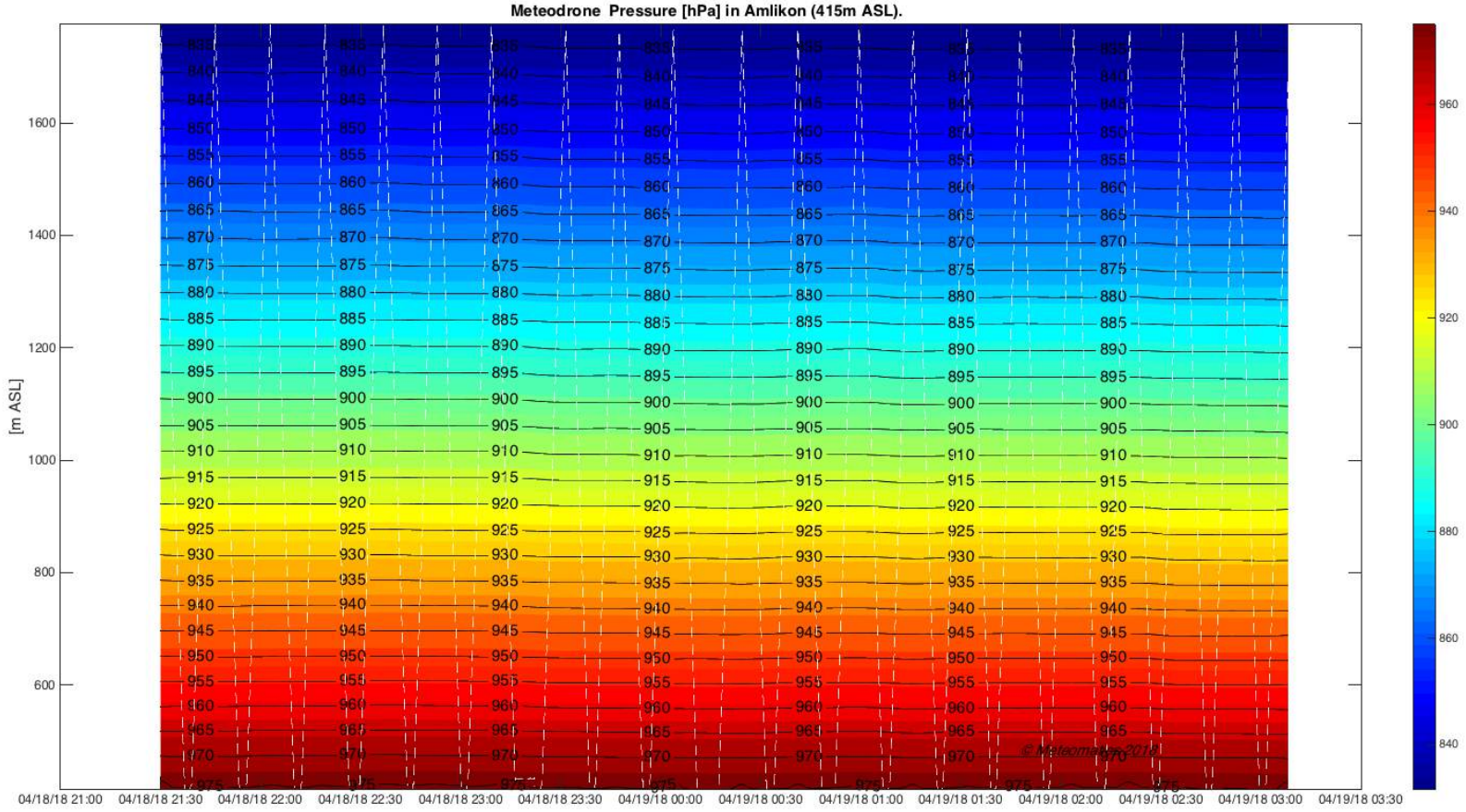
Amlikon 28.2./1.3.2018 – relative humidity



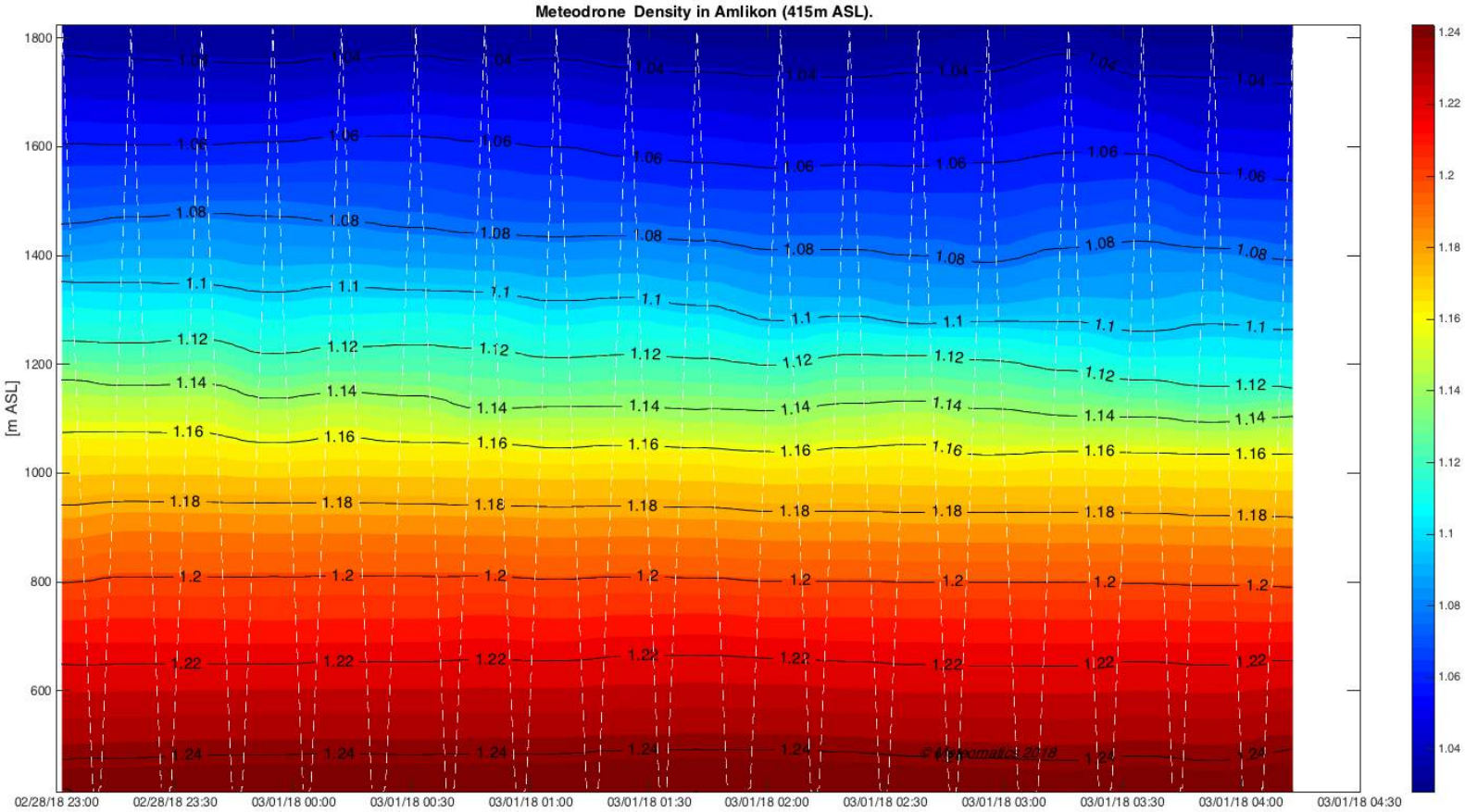
Amlikon 28.2./1.3.2018 – dew point



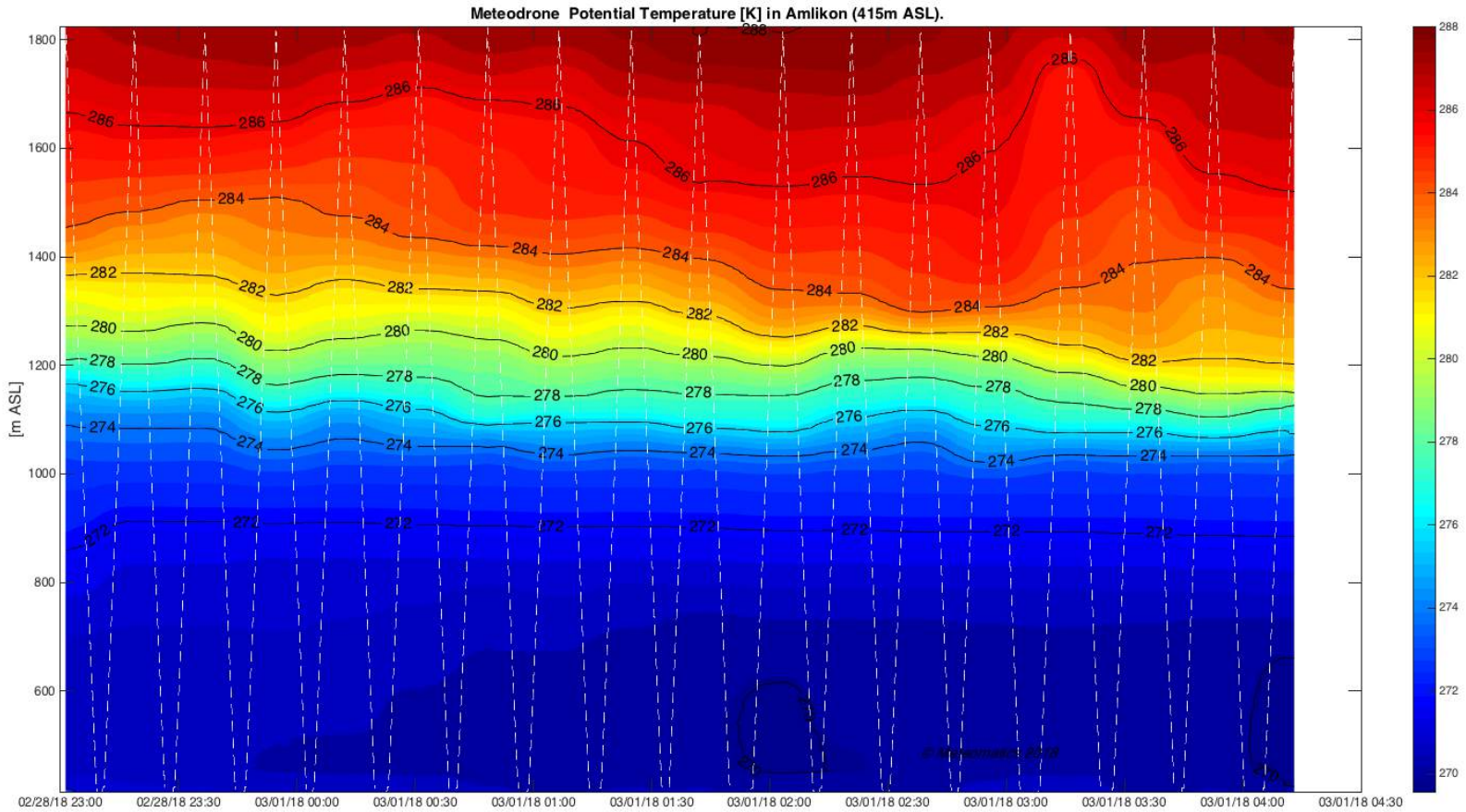
Amlikon 18.4./19.4.2018 – pressure



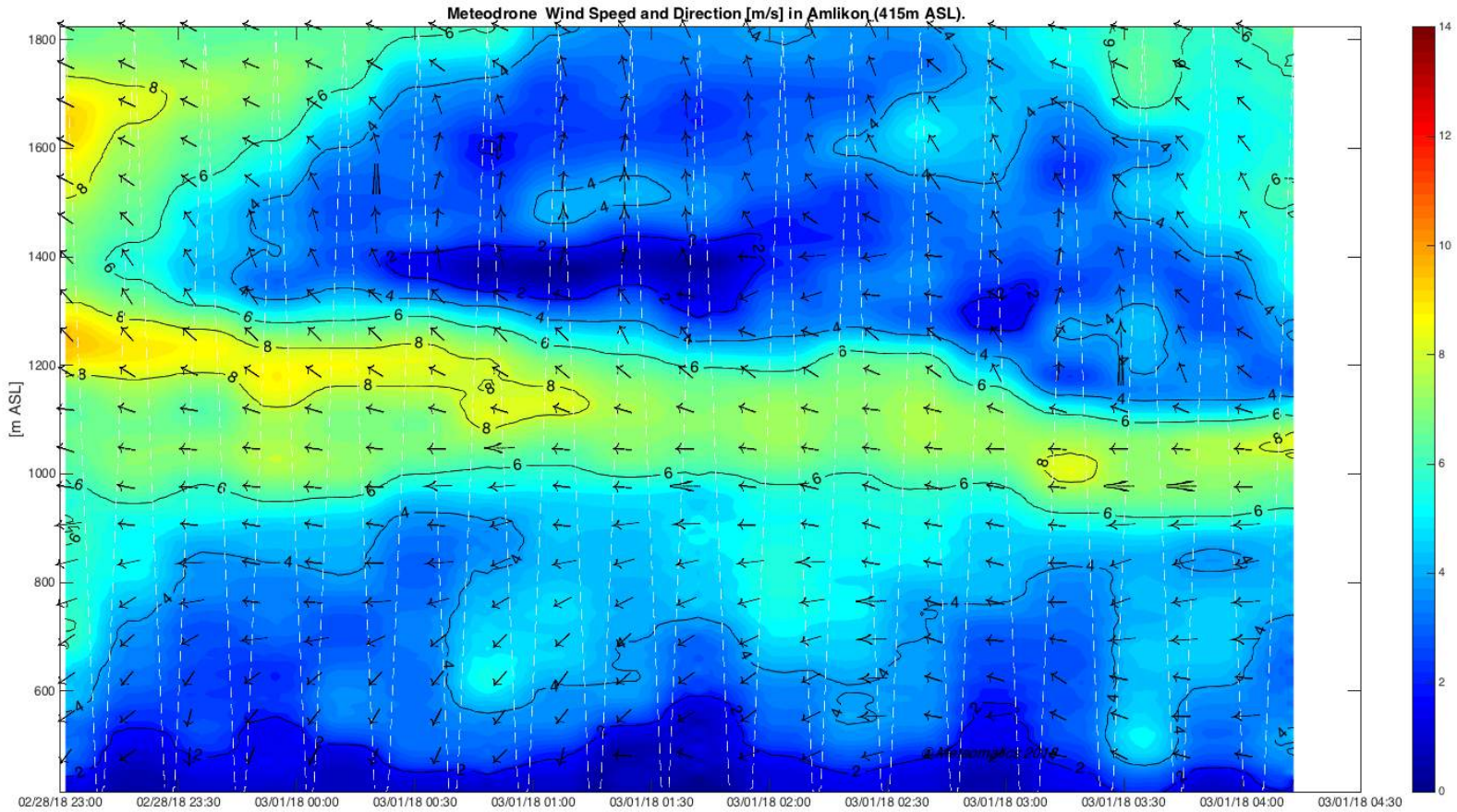
Amlikon 28.2./1.3.2018 - density



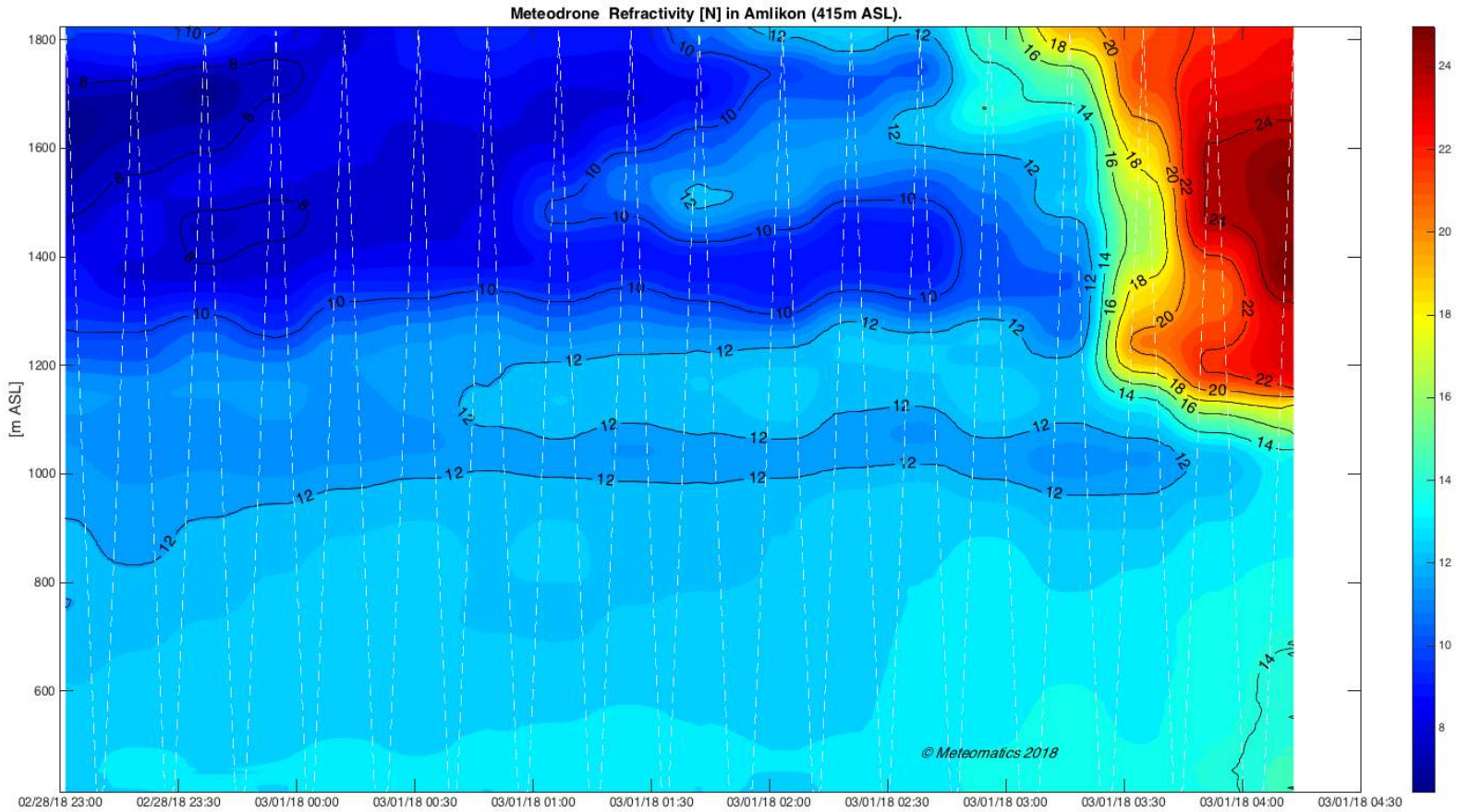
Amlikon 28.2./1.3.2018 – potential temperature



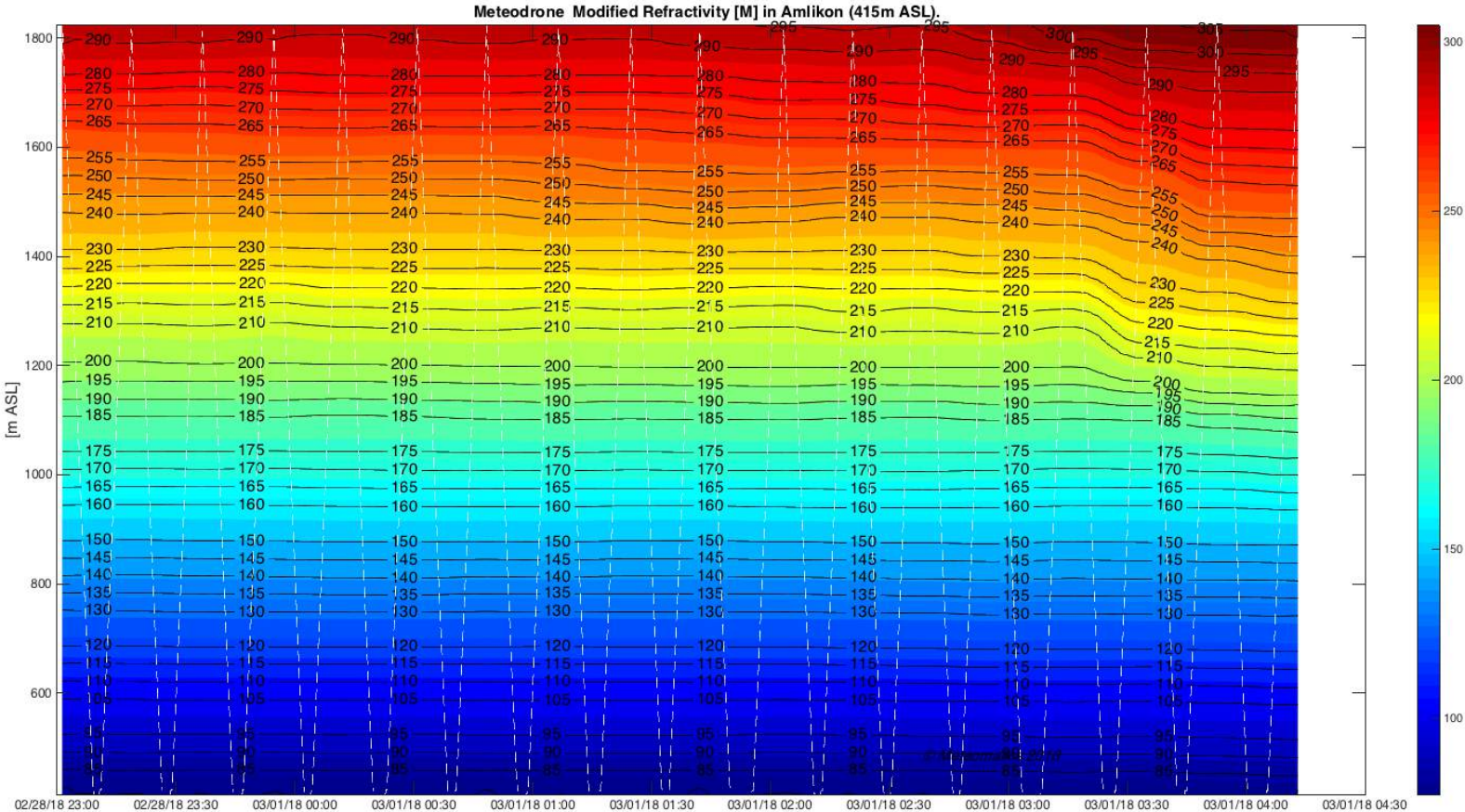
Amlikon 28.2./1.3.2018 – wind speed & direction



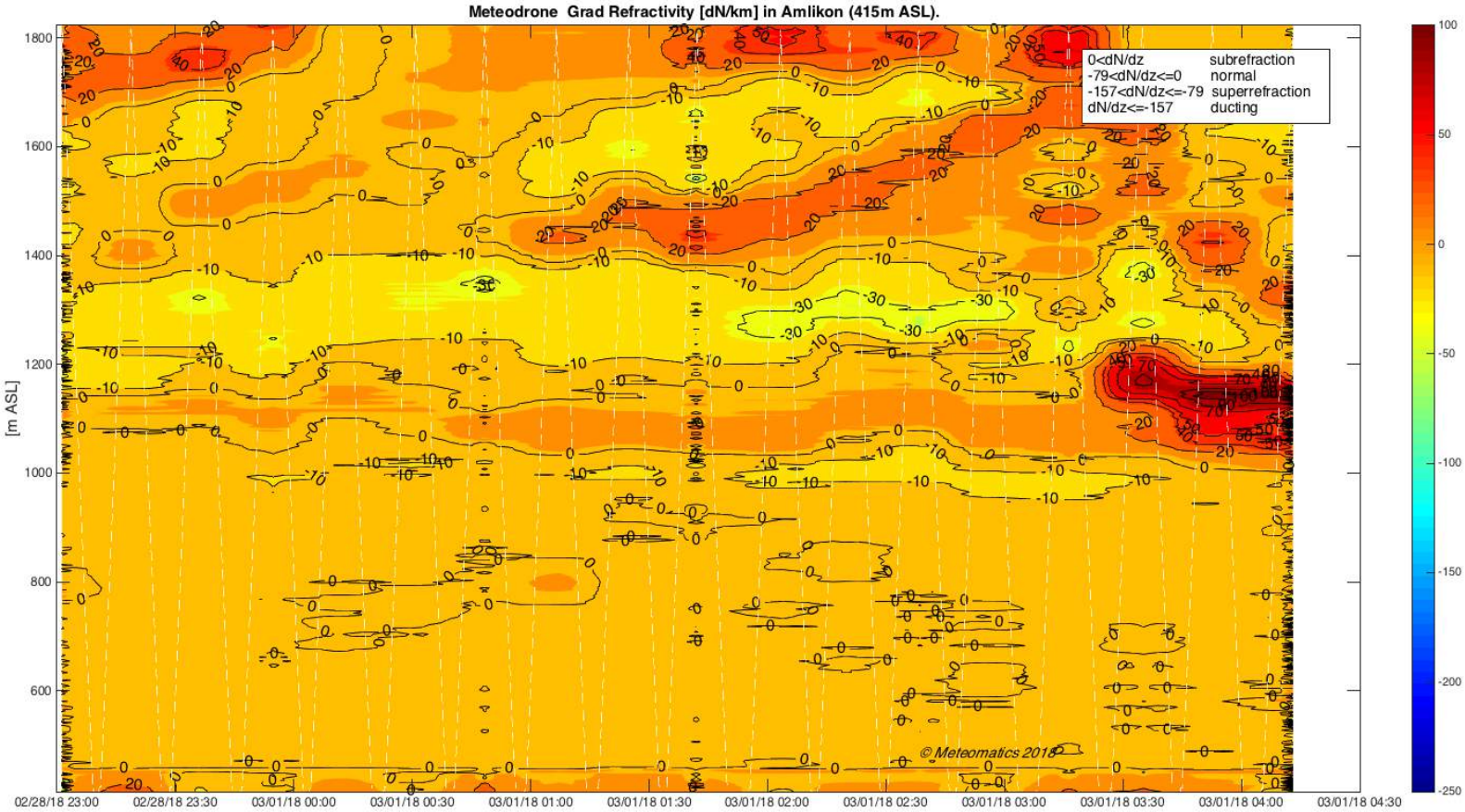
Amlikon 28.2./1.3.2018 –refractivity



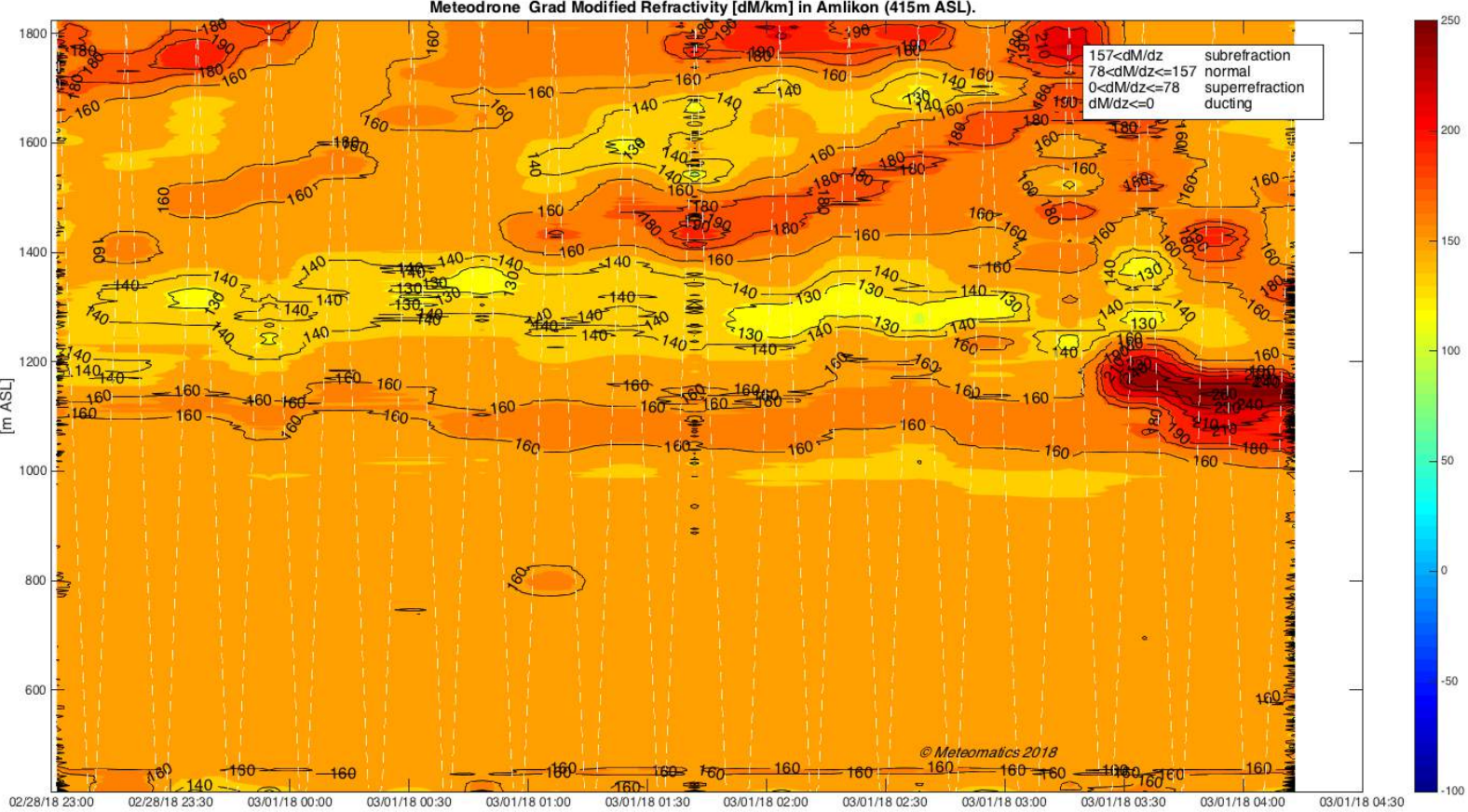
Amlikon 28.2./1.3.2018 – modified refractivity



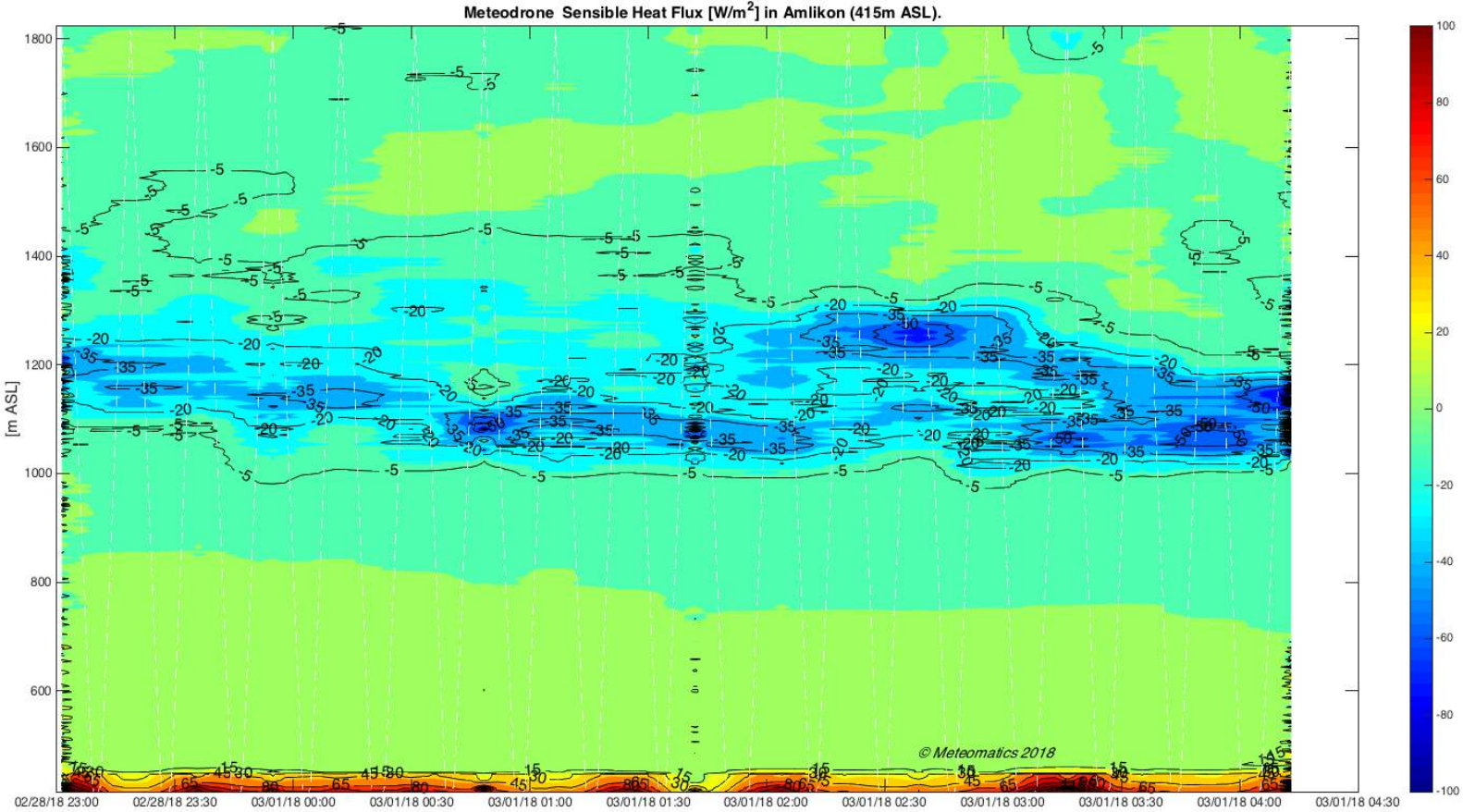
Amlikon 28.2./1.3.2018 – grad refractivity



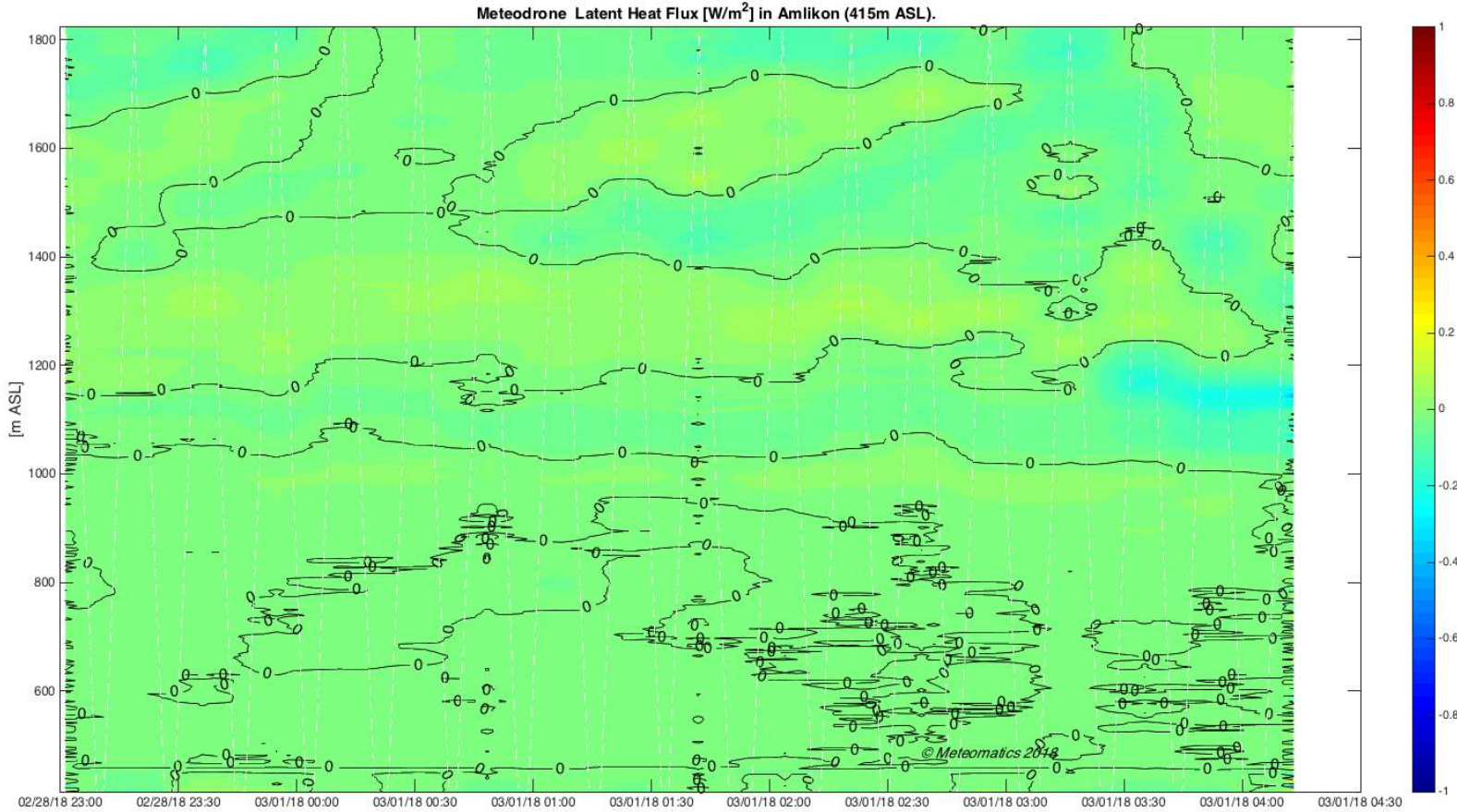
Amlikon 28.2./1.3.2018 – grad modified refractivity



Amlikon 28.2./1.3.2018 – sensible heat flux



Amlikon 28.2./1.3.2018 – latent heat flux





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mfengler@meteomatics.com

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Component to stay in reserved airspace

Parachute Rescue System

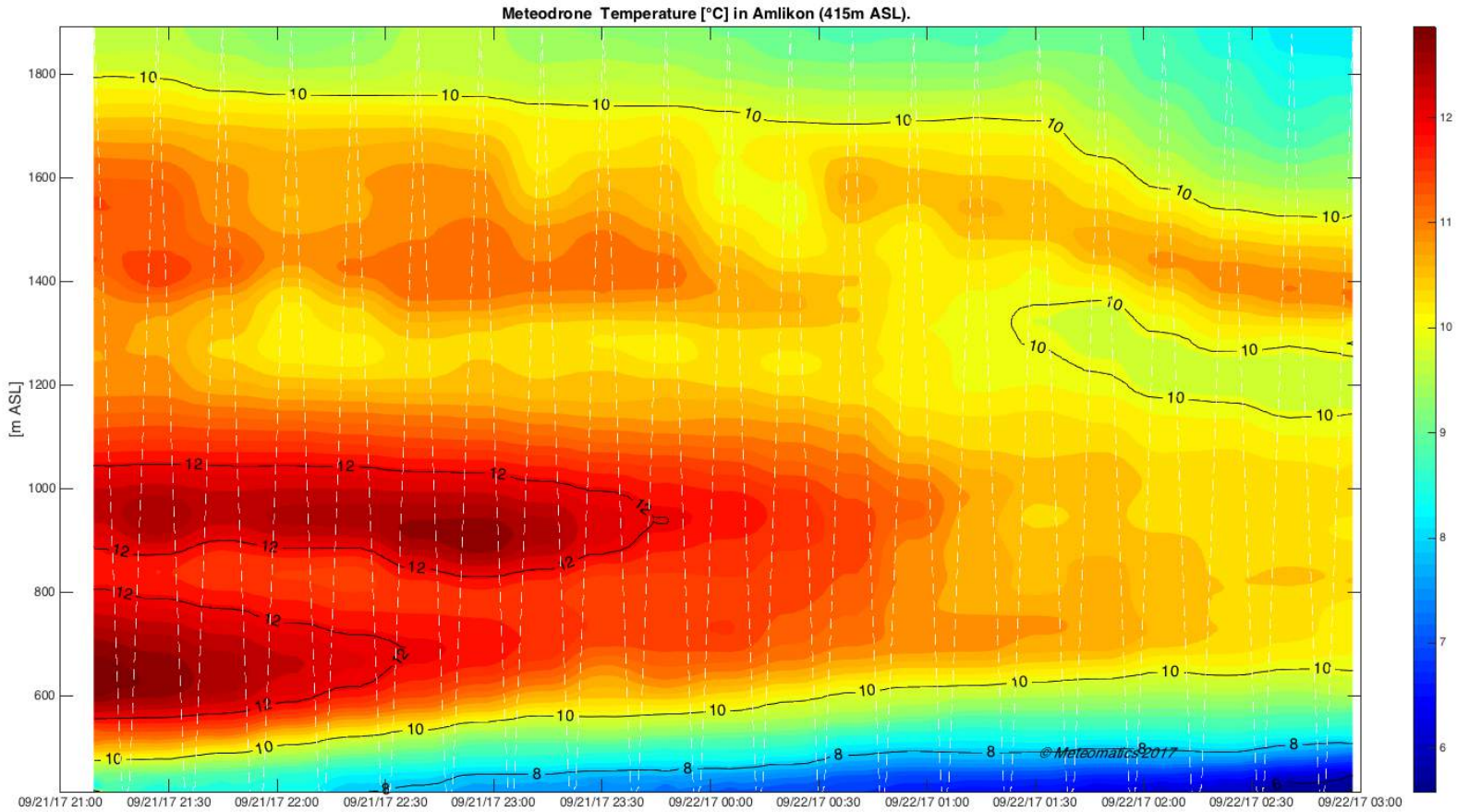


- > 2'000 flight hours
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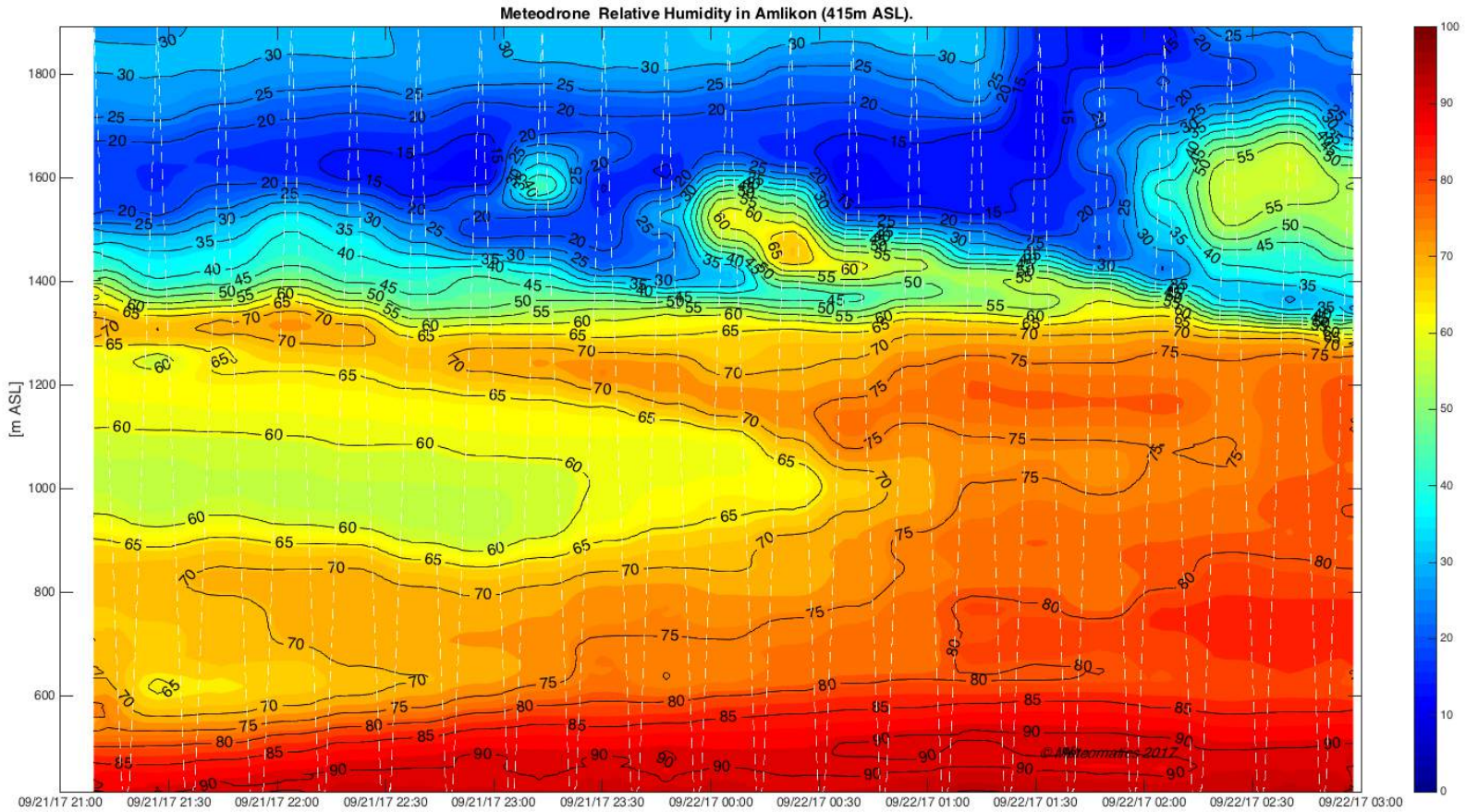
White strobe (visibility >3km)

Wind measurement using aircraft pitch & roll.

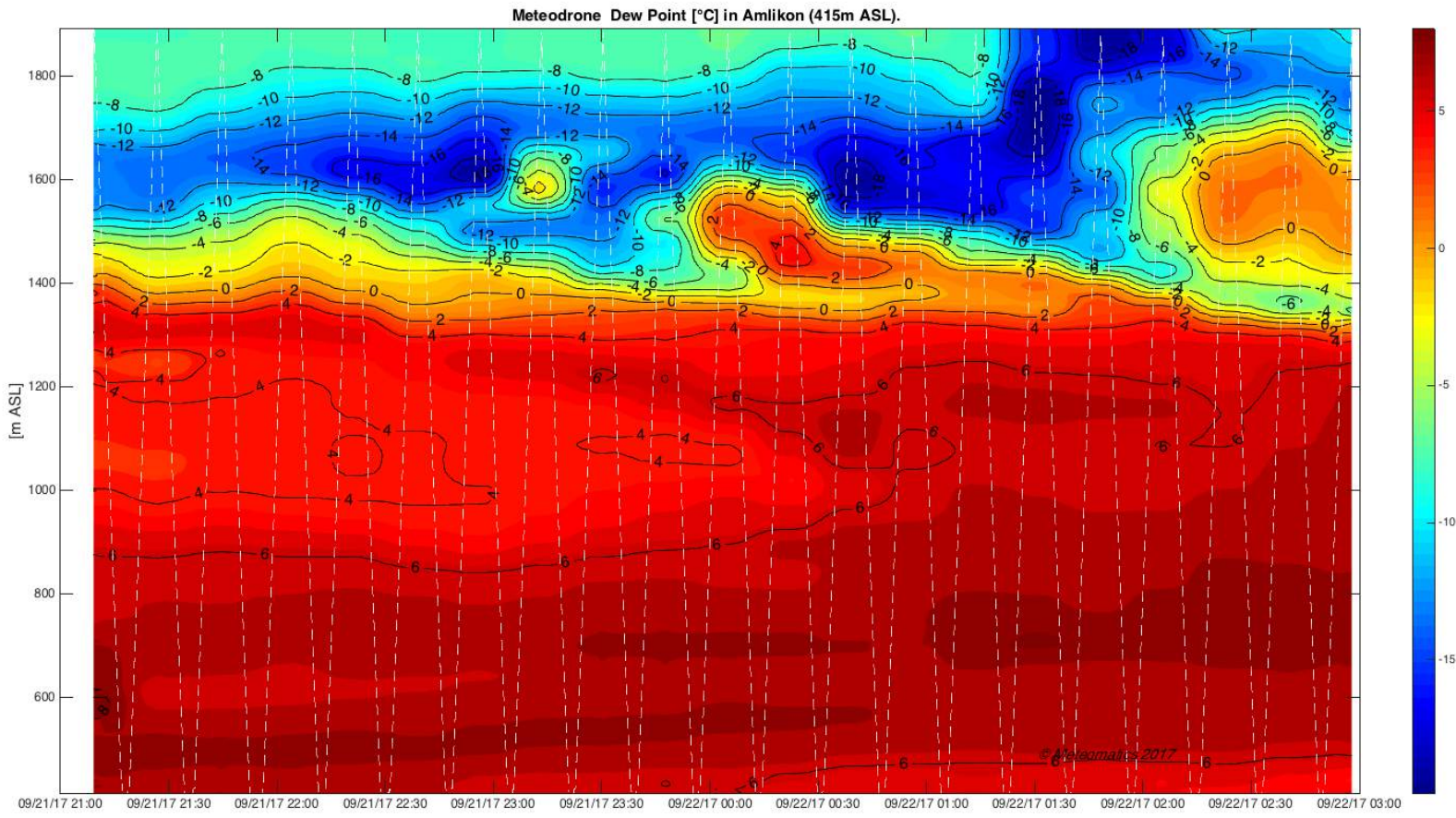
Amlikon 21.9./22.9.2017 – temperature



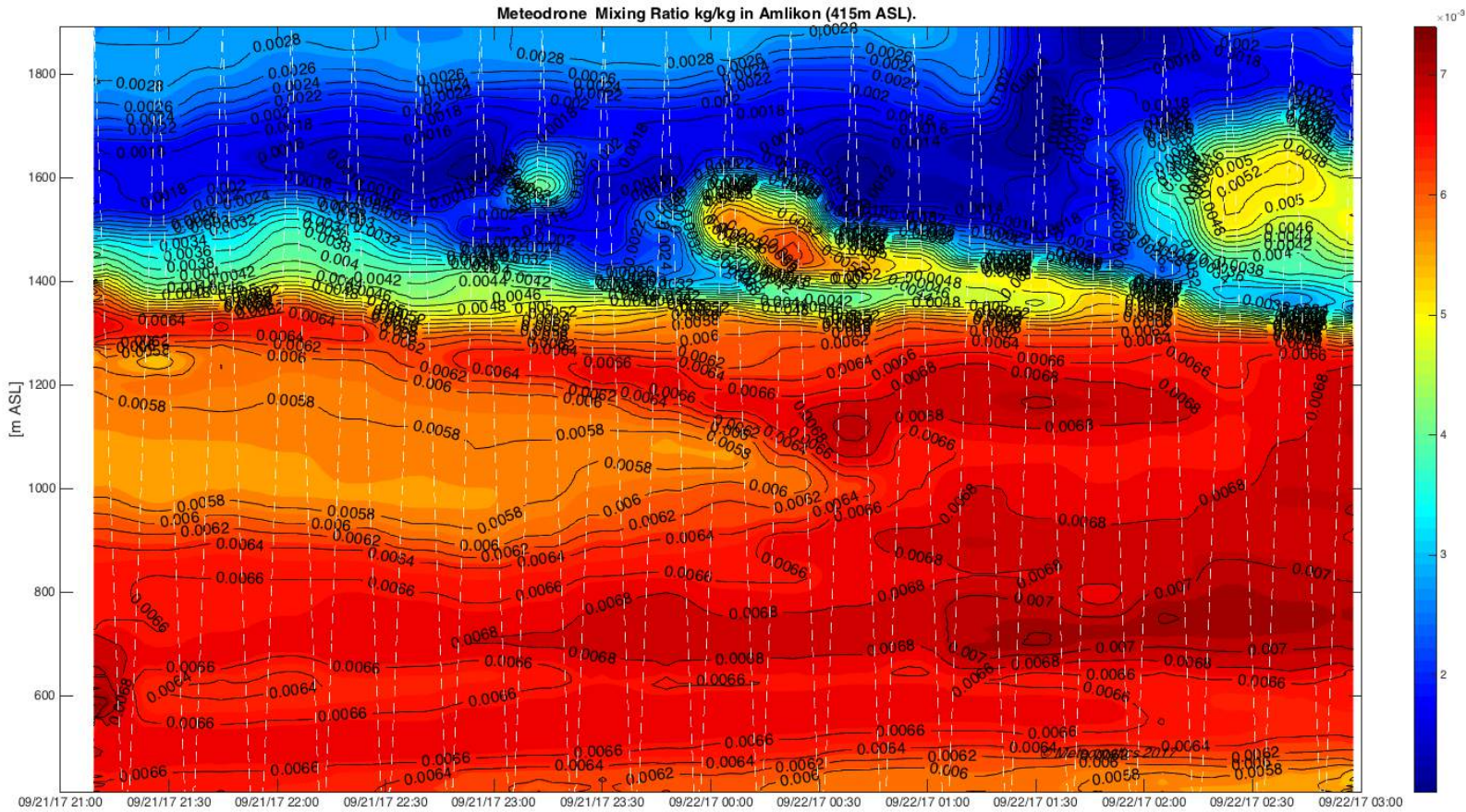
Amlikon 21.9./22.9.2017– relative humidity



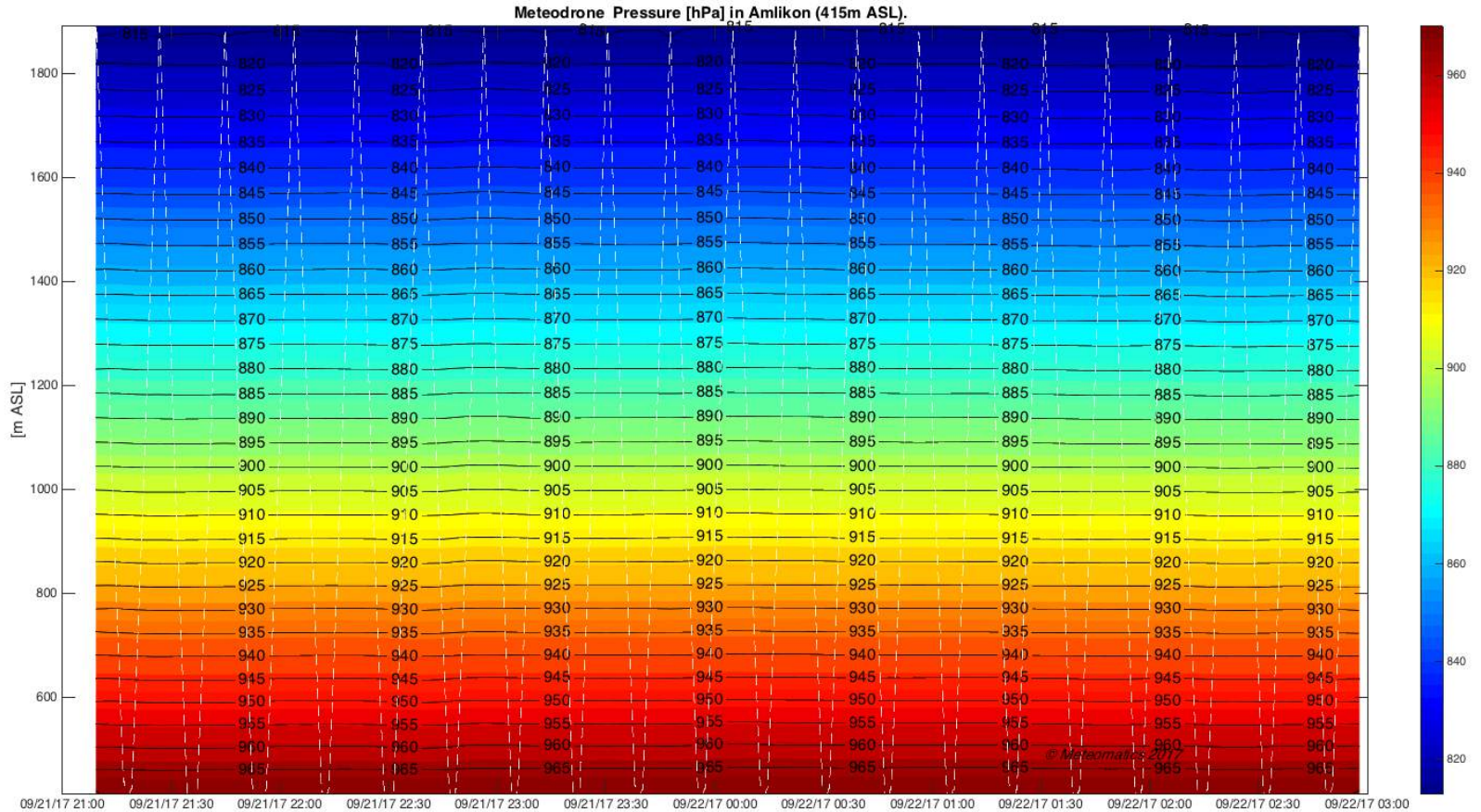
Amlikon 21.9./22.9.2017– dew point



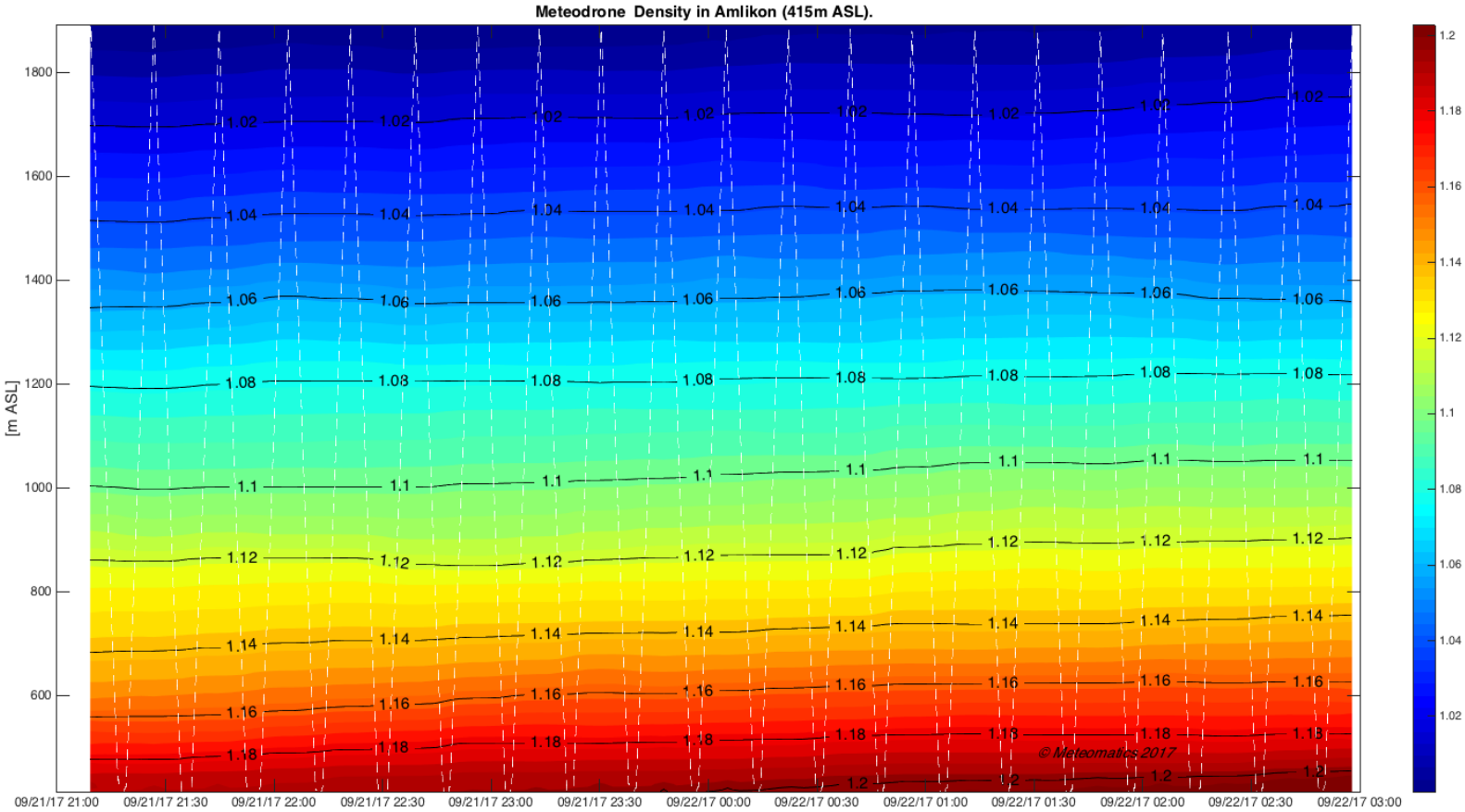
Amlikon 21.9./22.9.2017– mixing ratio



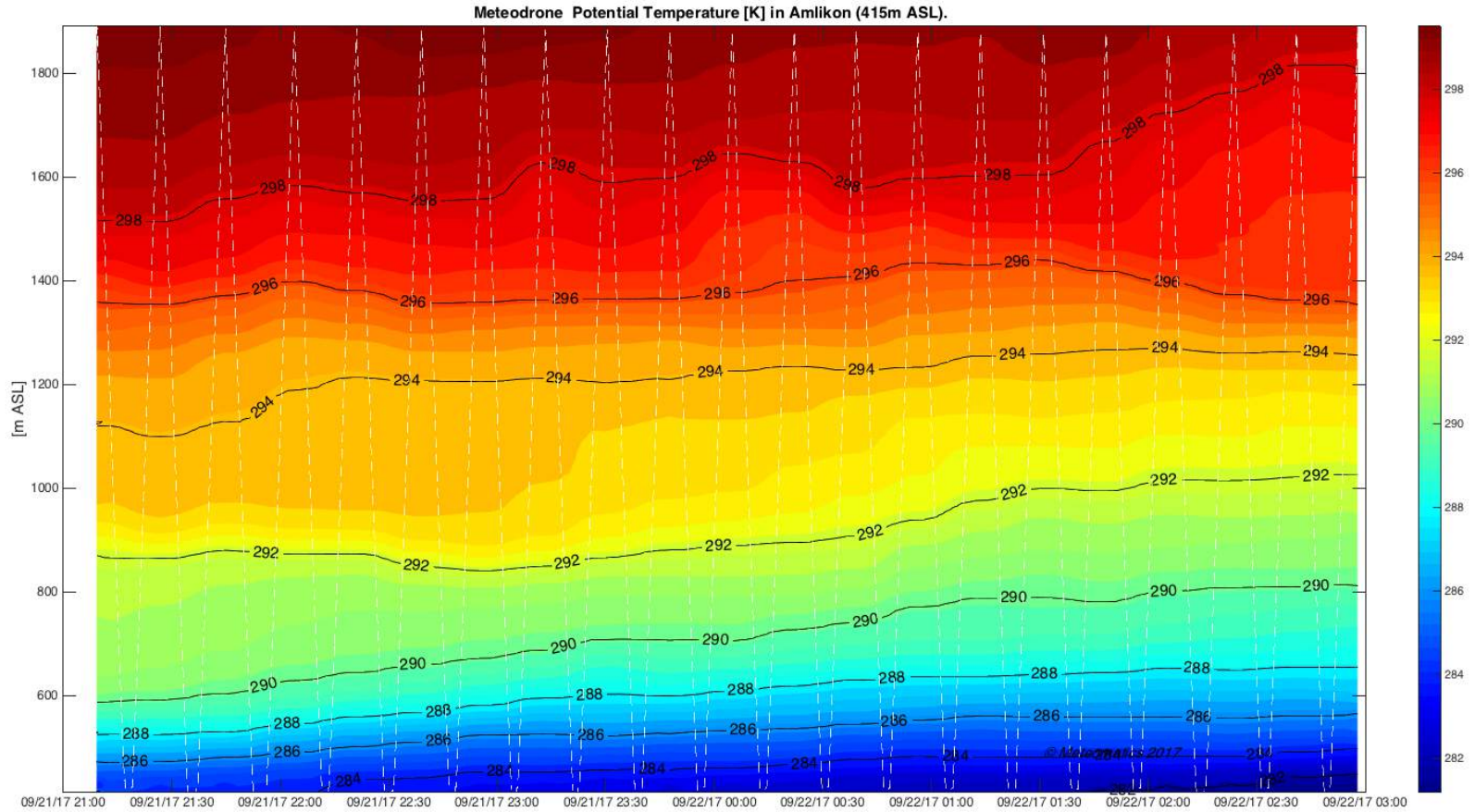
Amlikon 21.9./22.9.2017– pressure



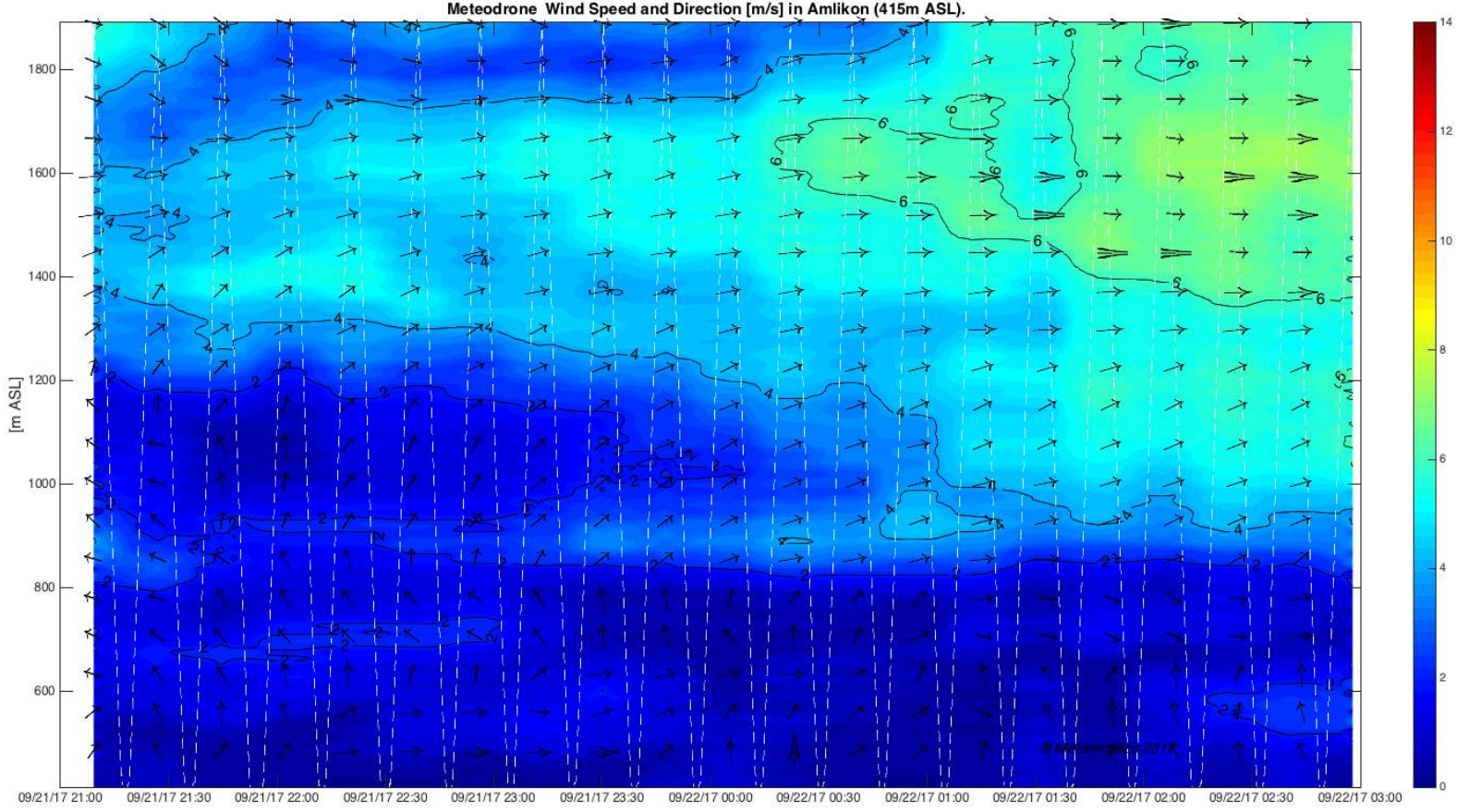
Amlikon 21.9./22.9.2017 - density



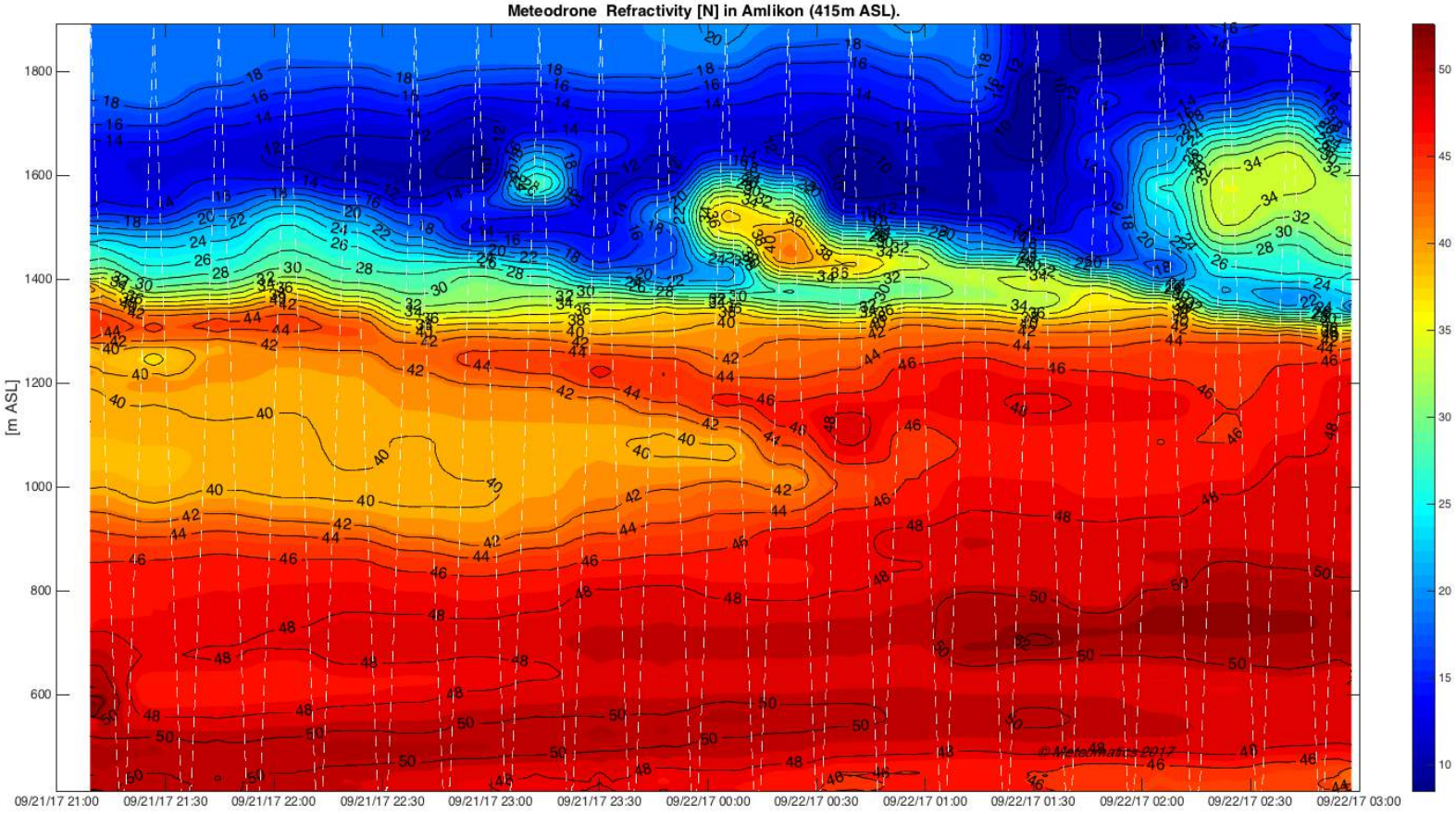
Amlikon 21.9./22.9.2017– potential temperature



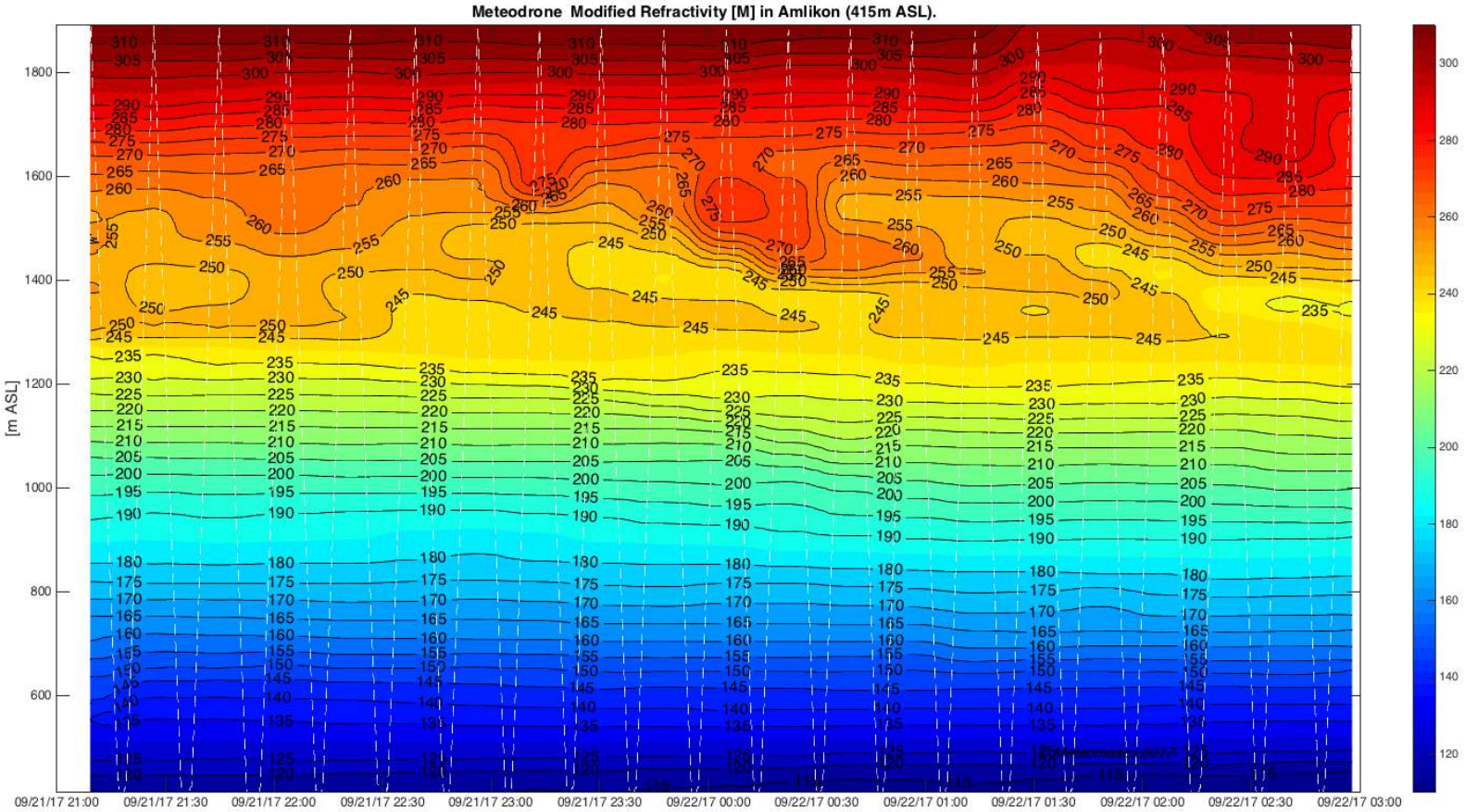
Amlikon 21.9./22.9.2017 – wind speed & direction



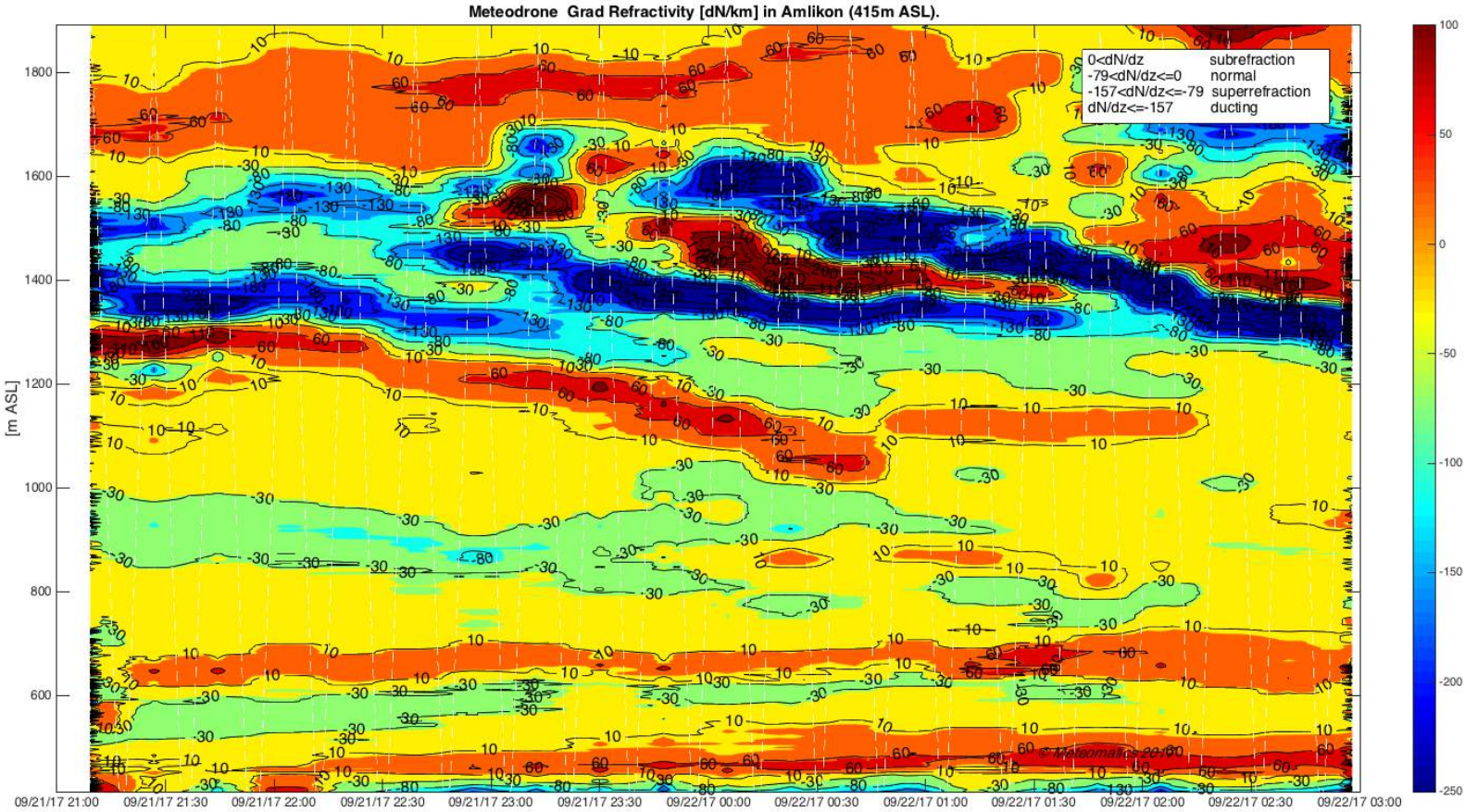
Amlikon 21.9./22.9.2017– refractivity



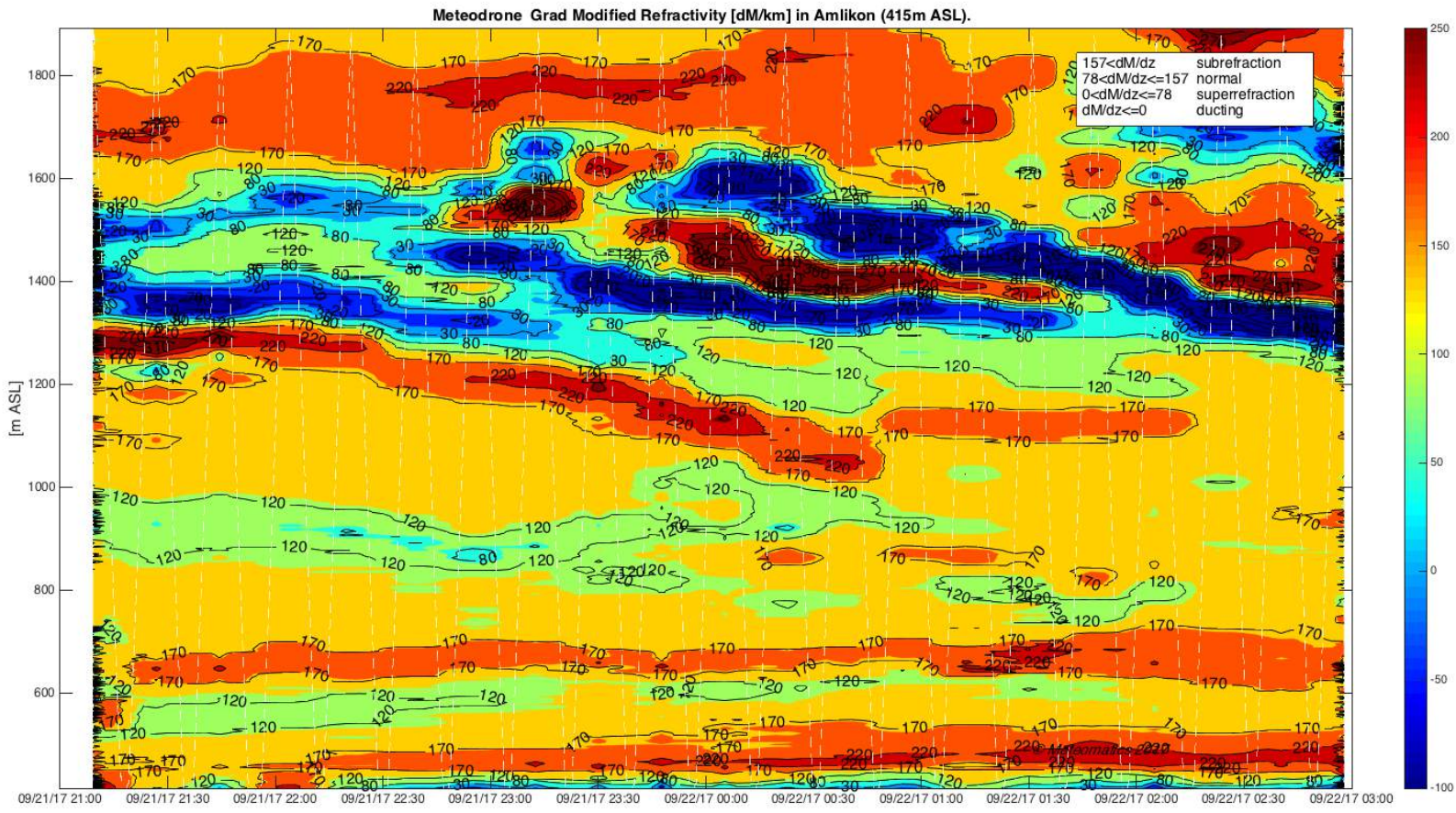
Amlikon 21.9./22.9.2017 – modified refractivity



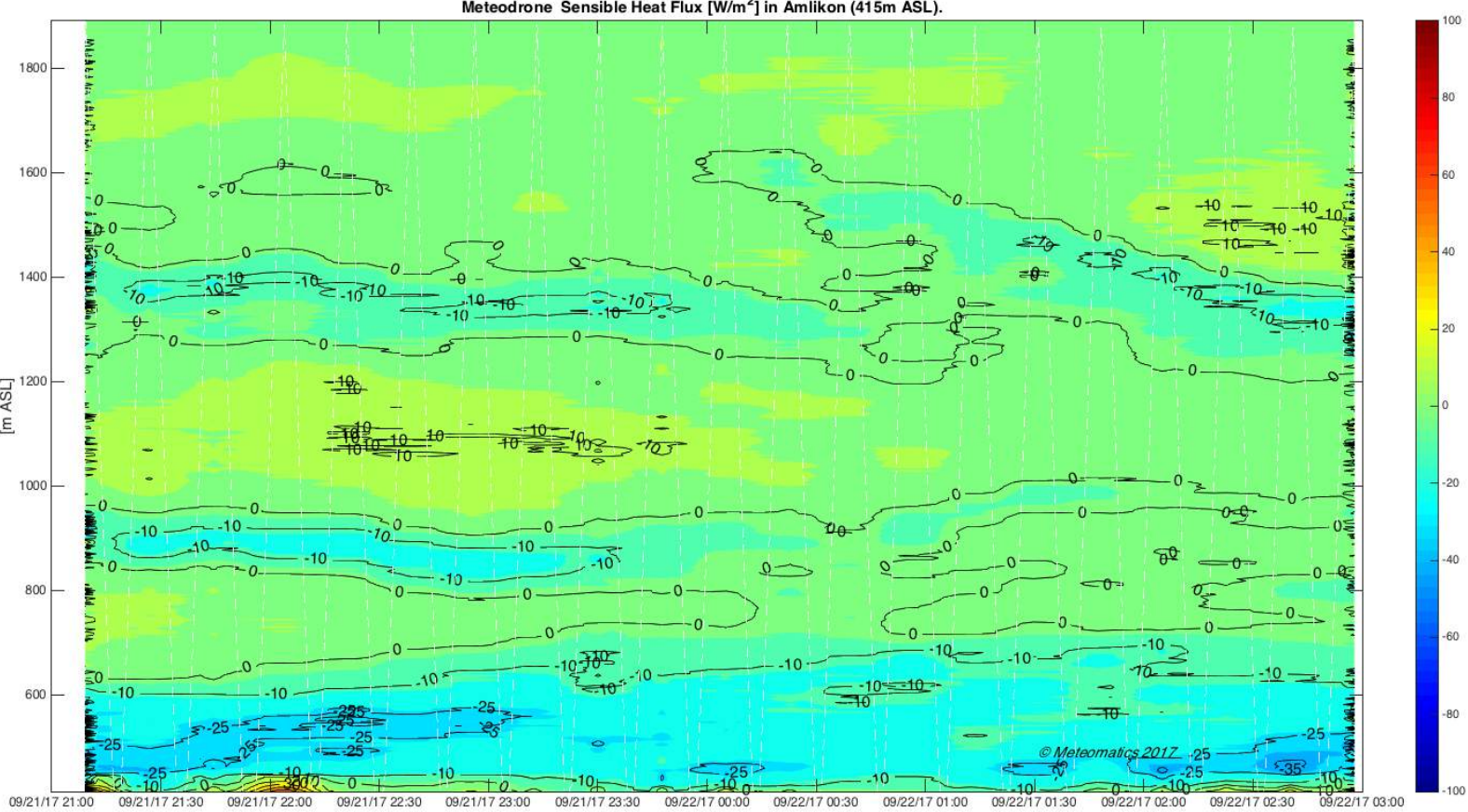
Amlikon 21.9./22.9.2017 – grad refractivity



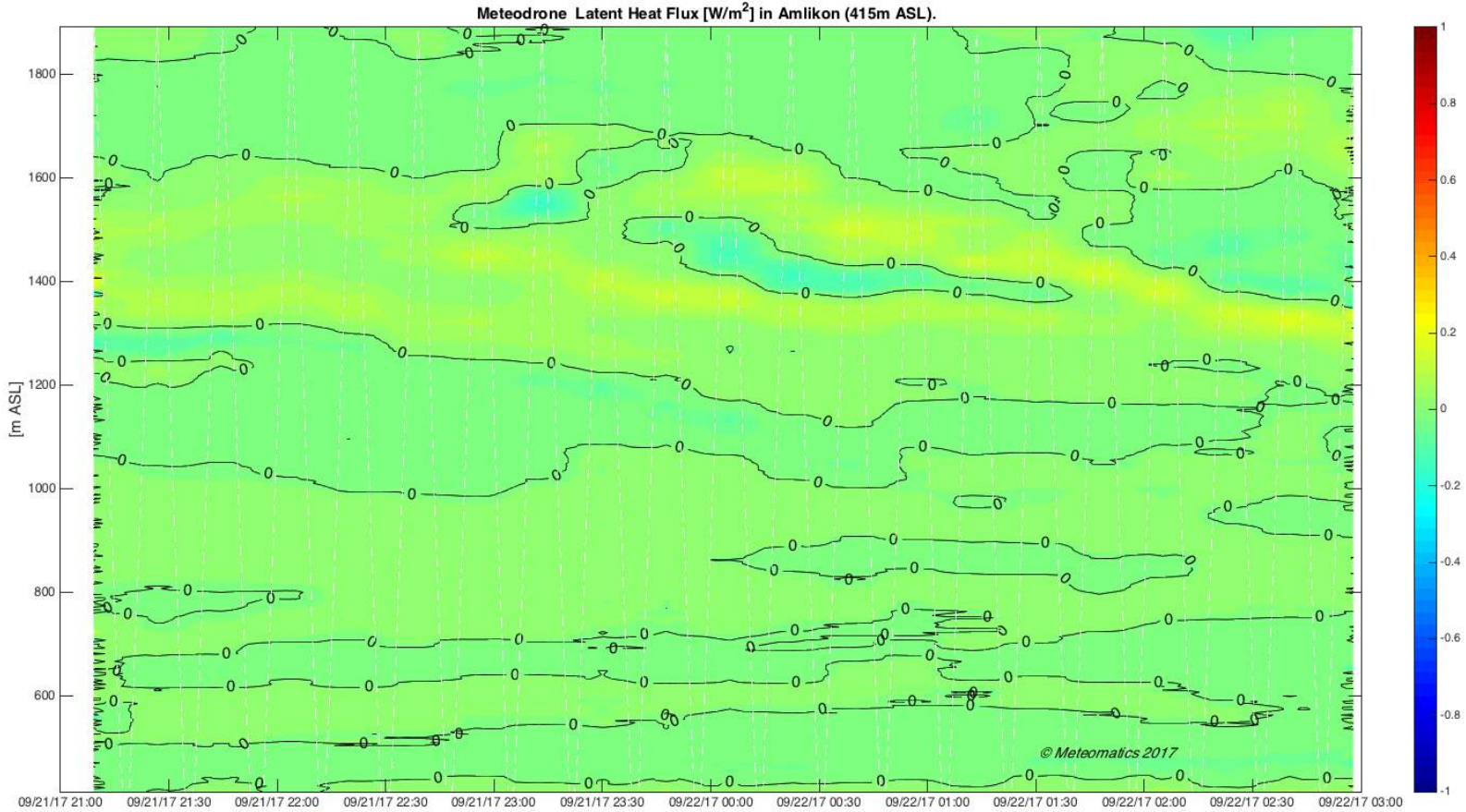
Amlikon 21.9./22.9.2017 – grad modified refractivity



Amlikon 21.9./22.9.2017 – sensible heat flux



Amlikon 21.9./22.9.2017– latent heat flux





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CEO

mfengler@meteomatics.com

Meteomatics AG

Lerchenfeldstr. 3

9014 St. Gallen

Switzerland

+41 71 272 66 50

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Meteodrones – 30.10./31.10.2017

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Meteodrone „Classic“ – BVLOS approved

Component to stay in reserved airspace

Parachute Rescue System

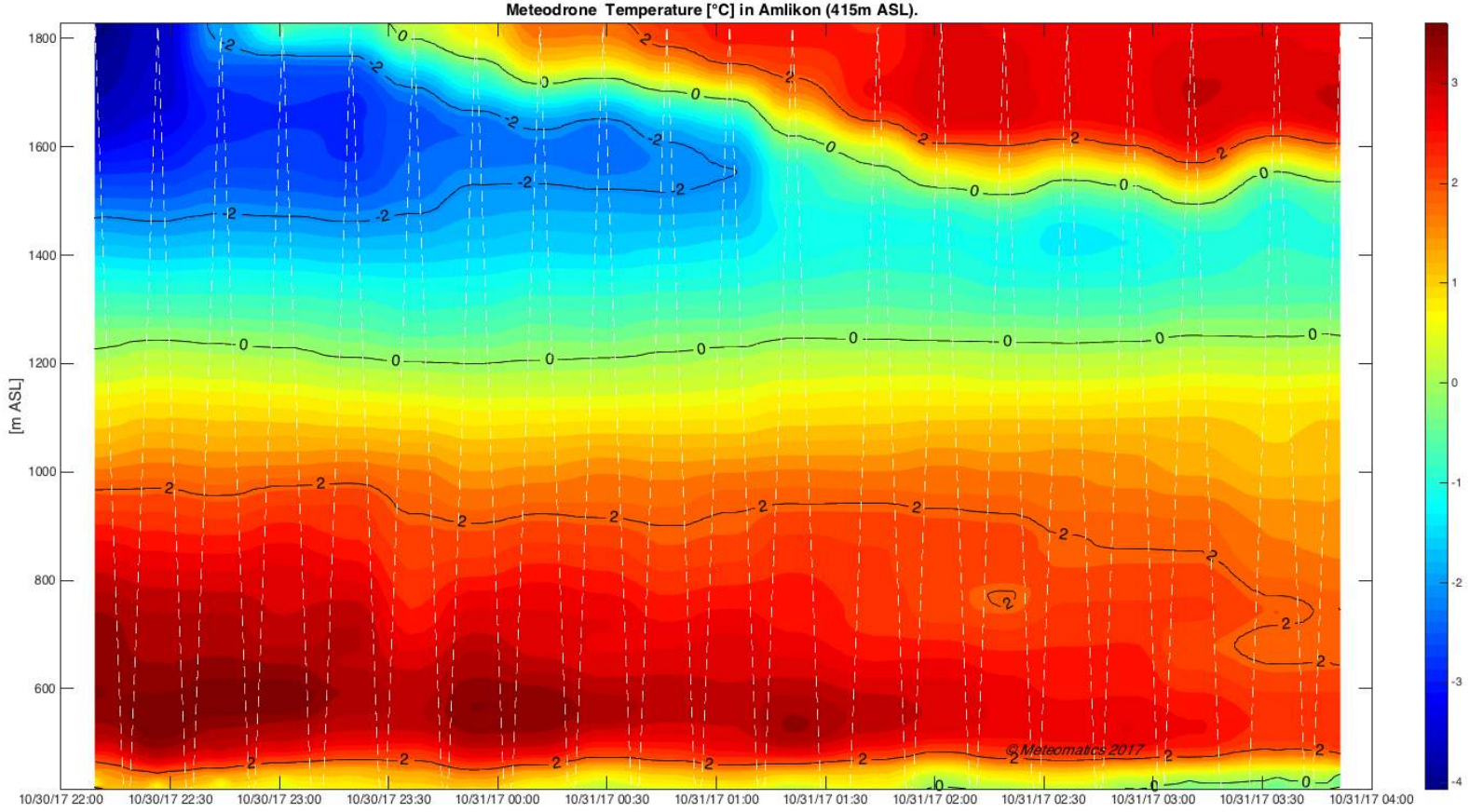


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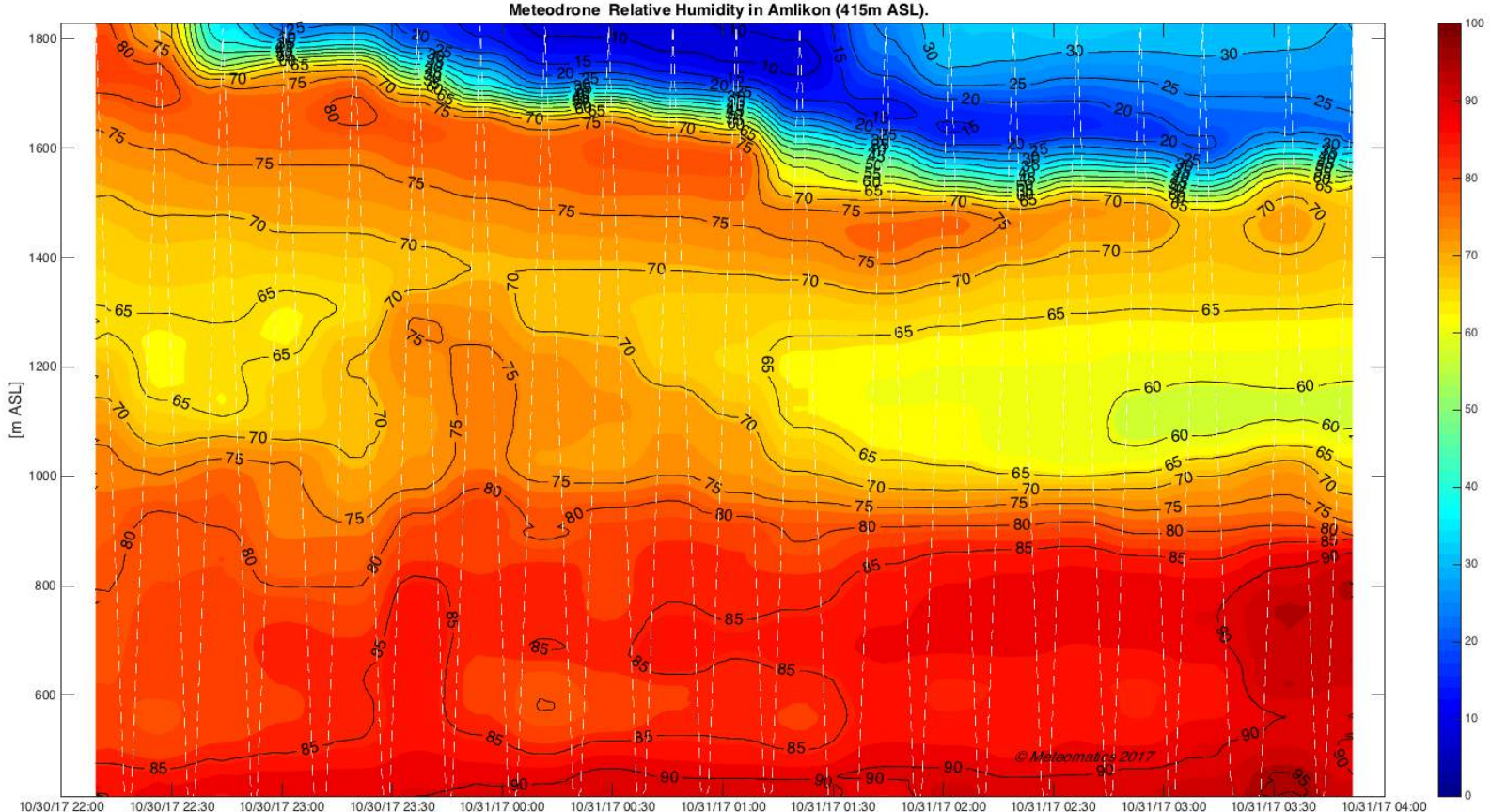
White strobe (visibility >3km)

Wind measurement using aircraft pitch & roll

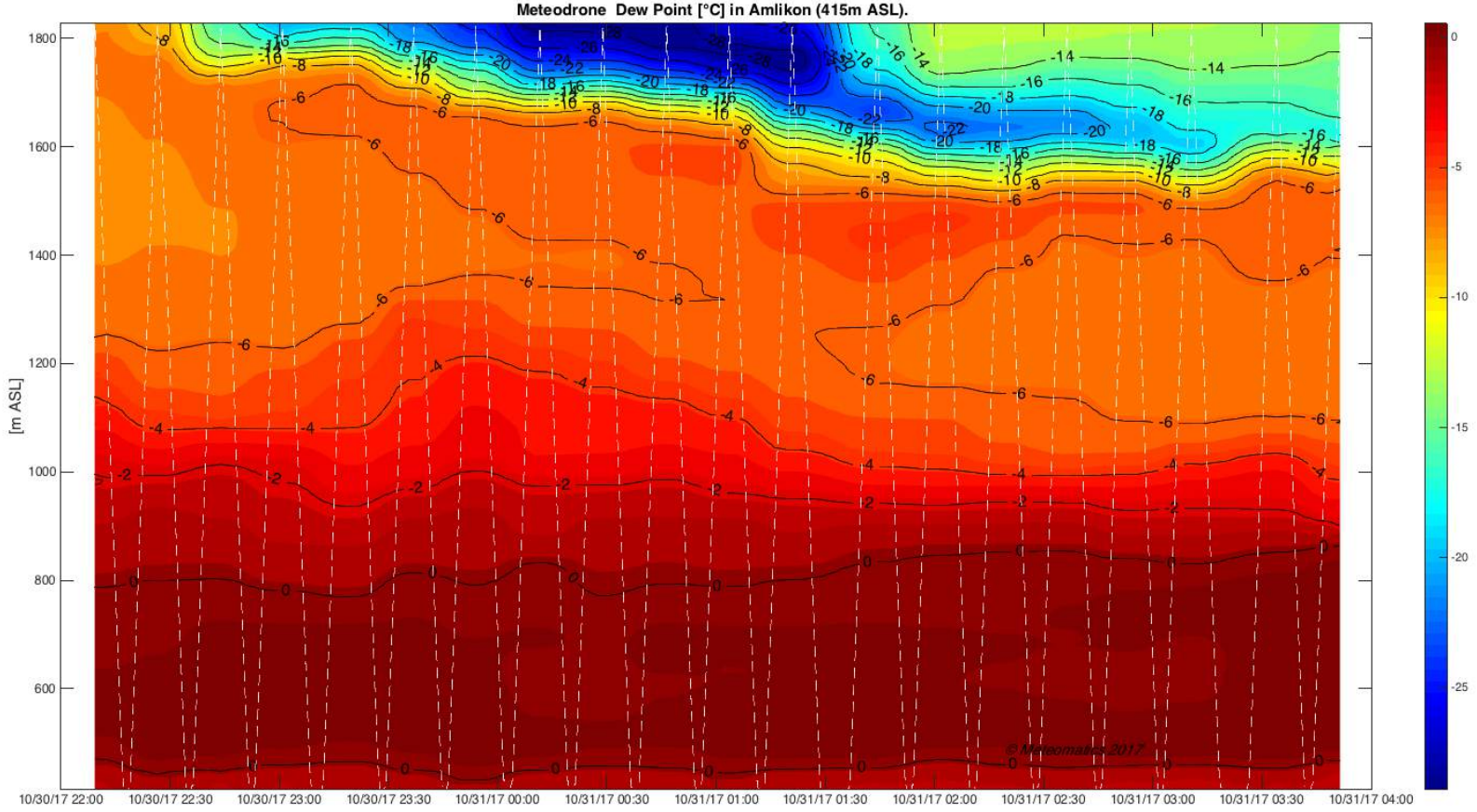
Amlikon 30.10./31.10.2017 – temperature



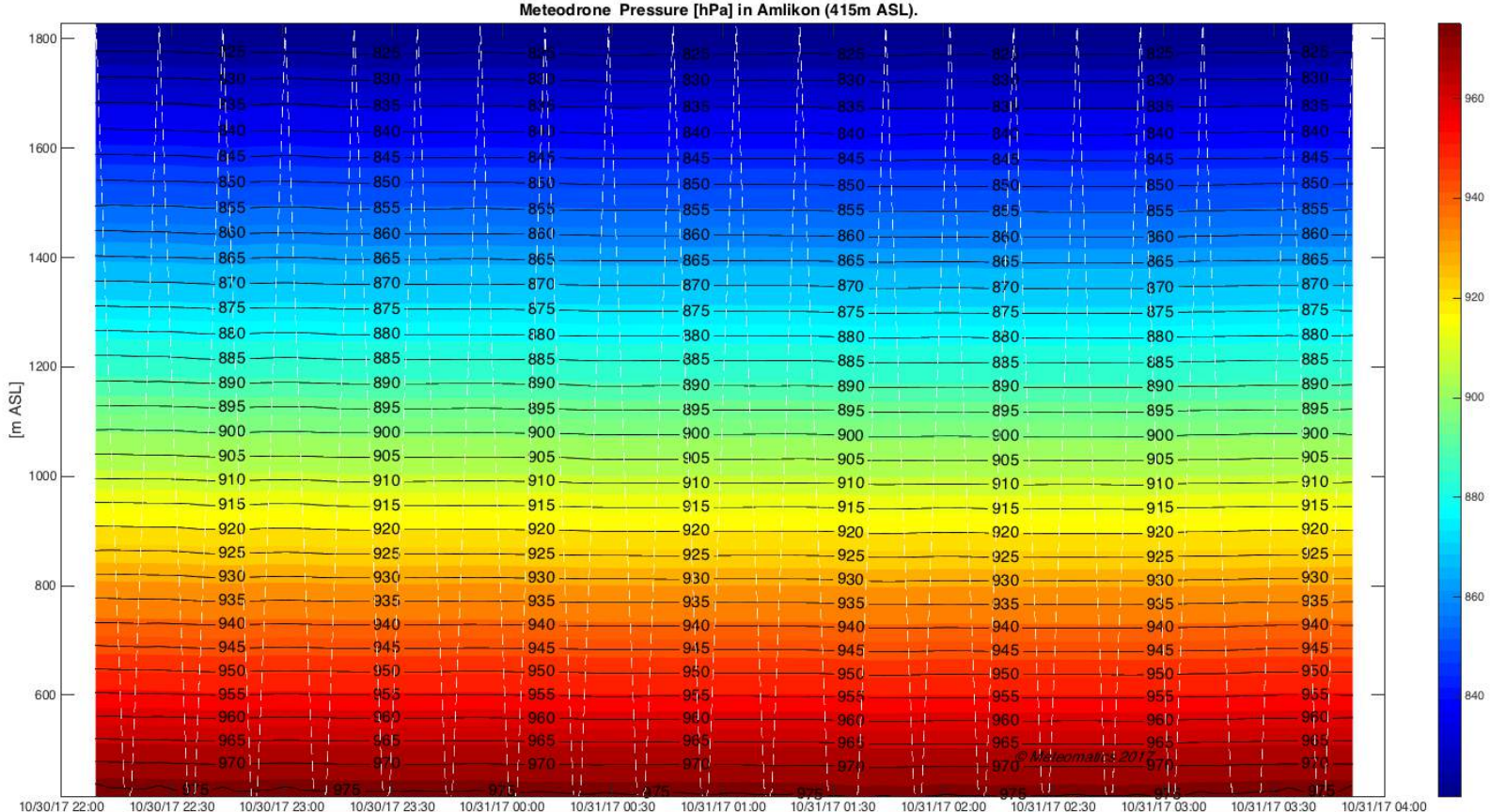
Amlikon 30.10./31.10.2017 – relative humidity



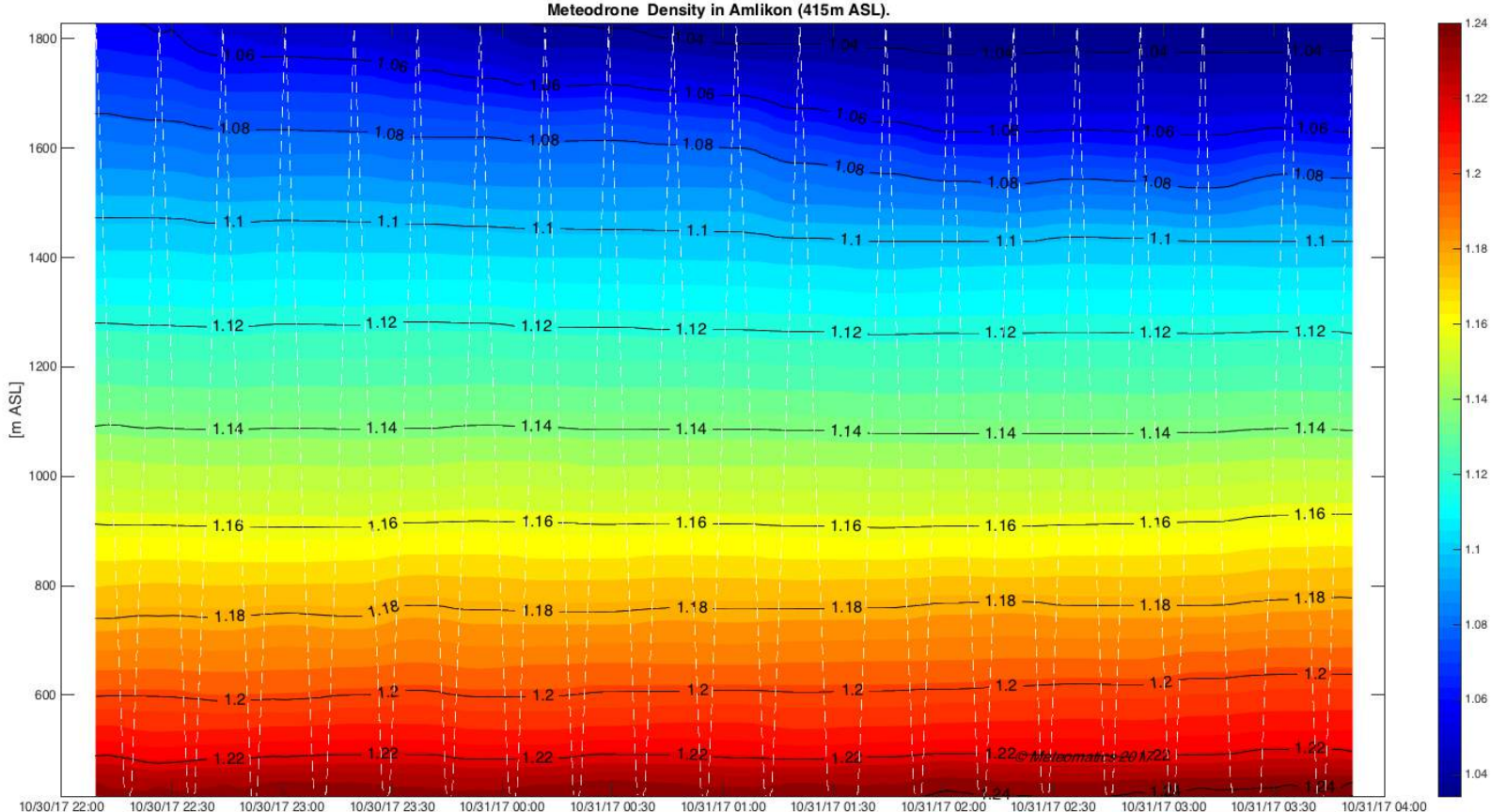
Amlikon 30.10./31.10.2017 – dew point



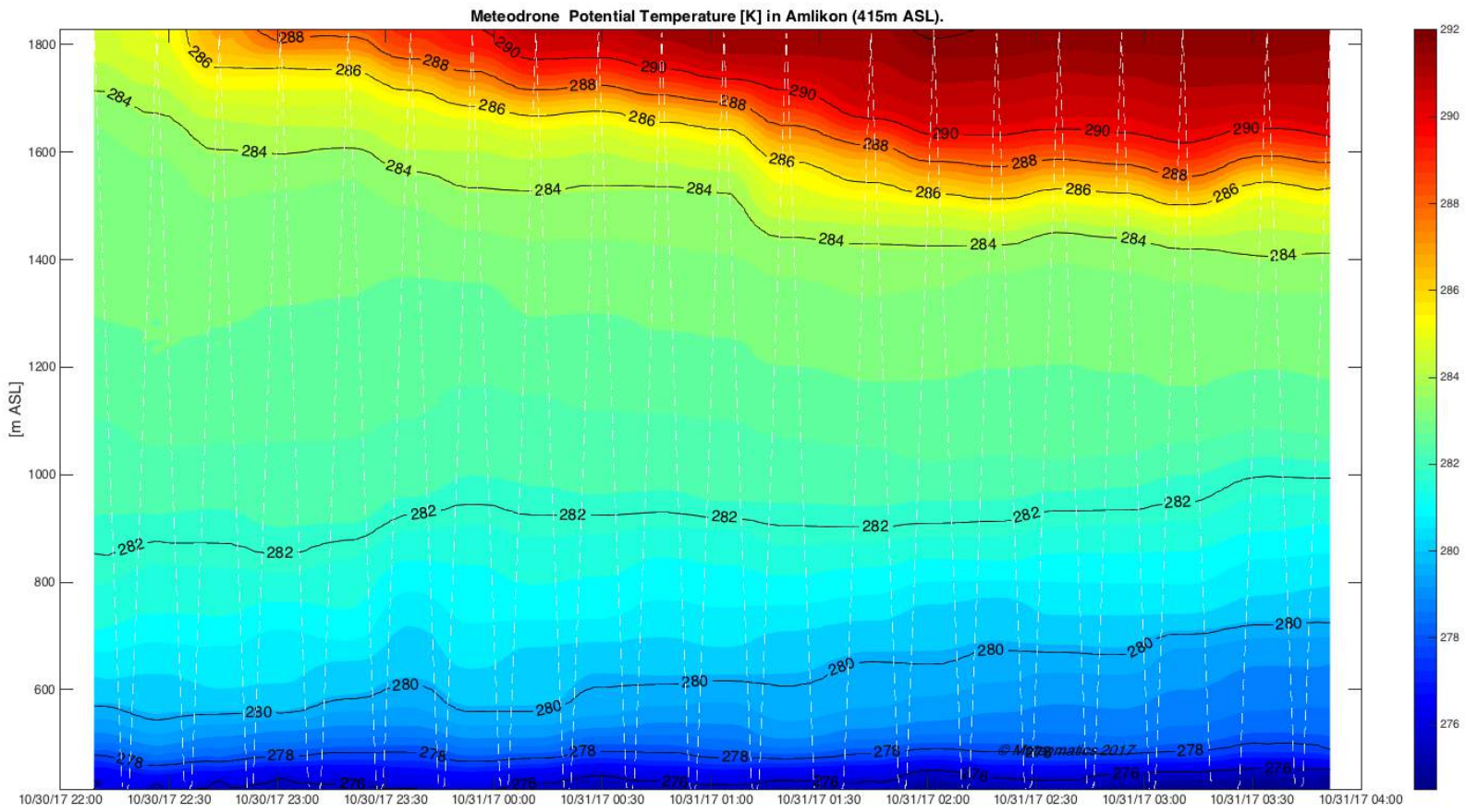
Amlikon 30.10./31.10.2017 – pressure



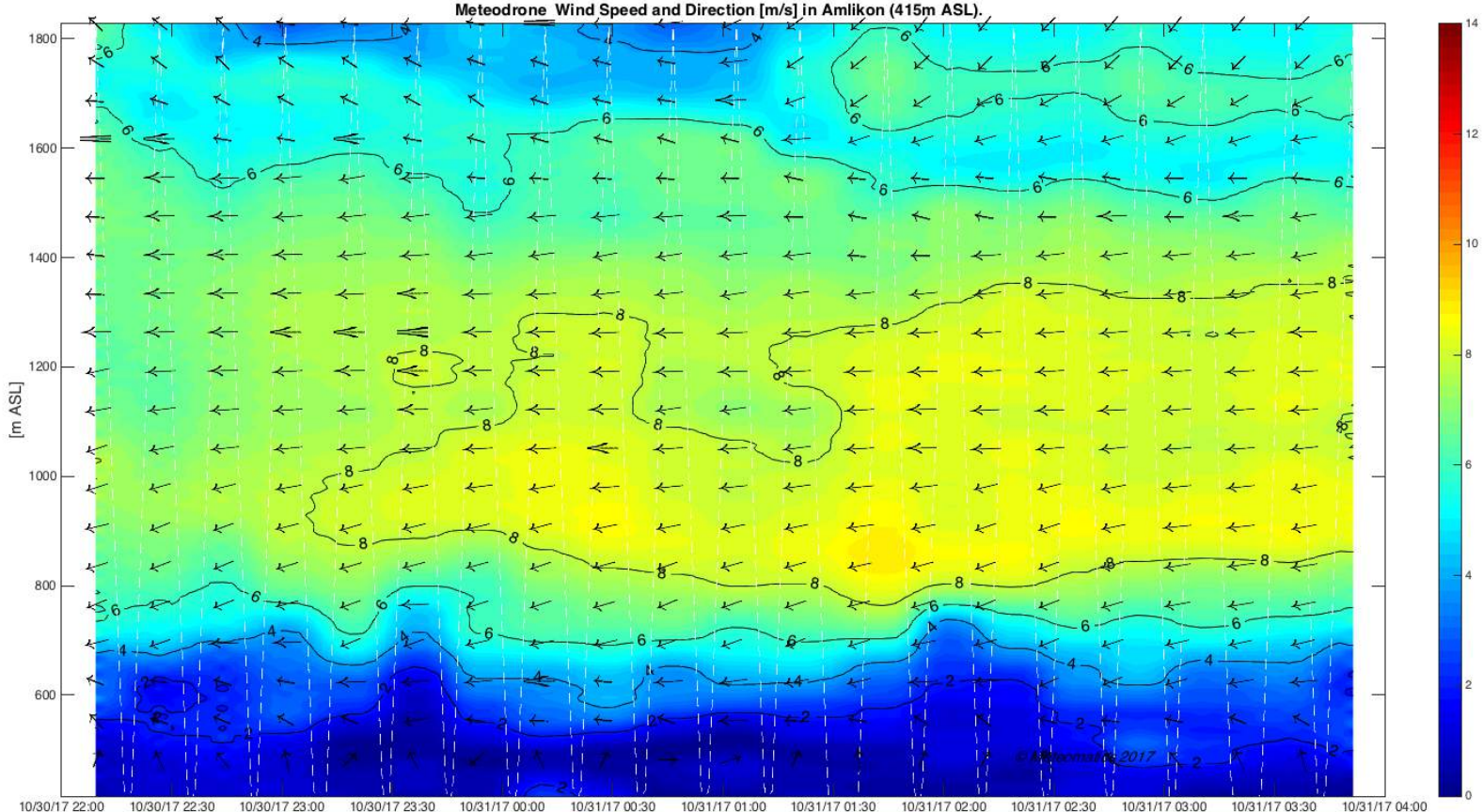
Amlikon 30.10./31.10.2017 - density



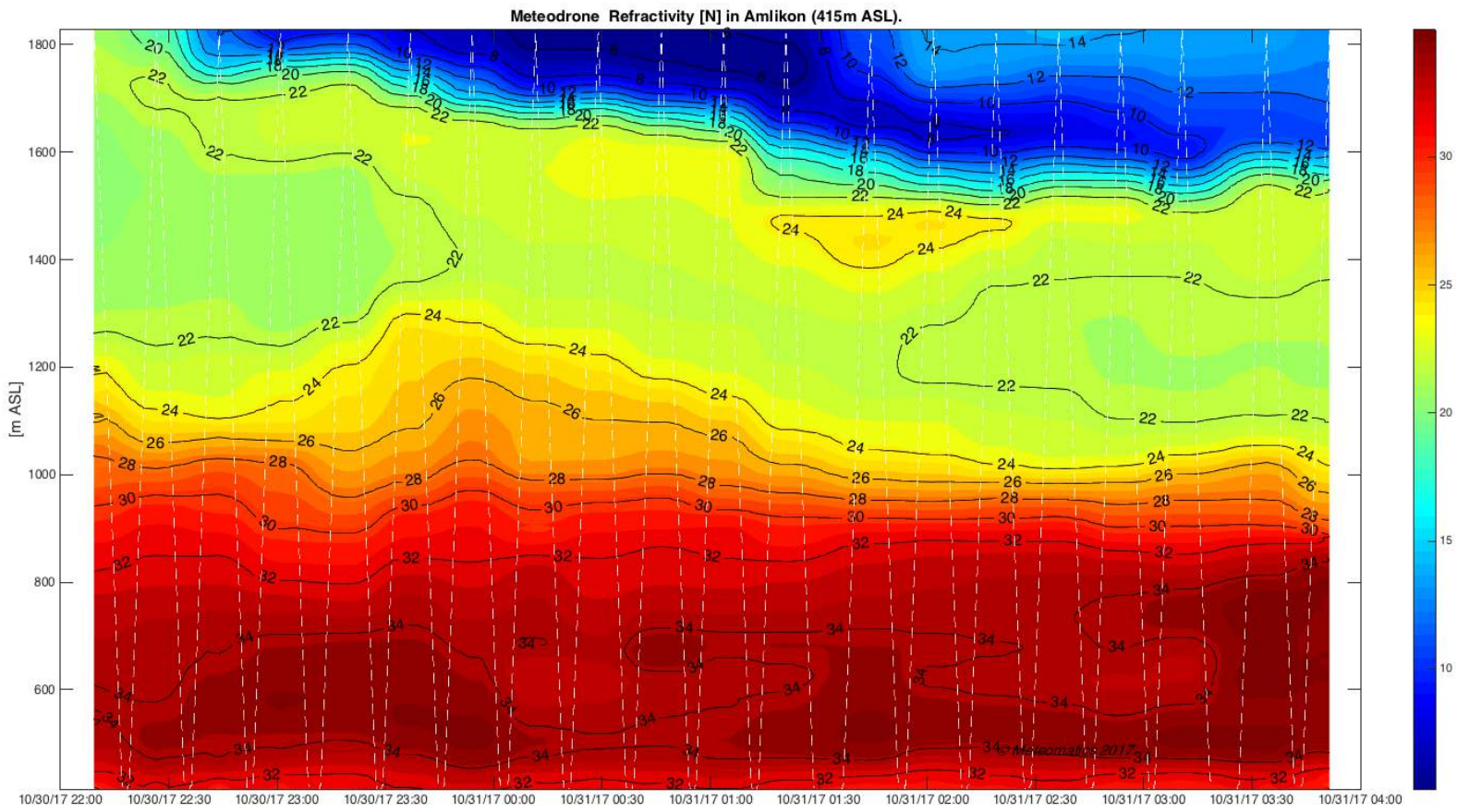
Amlikon 30.10./31.10.2017 – potential temperature



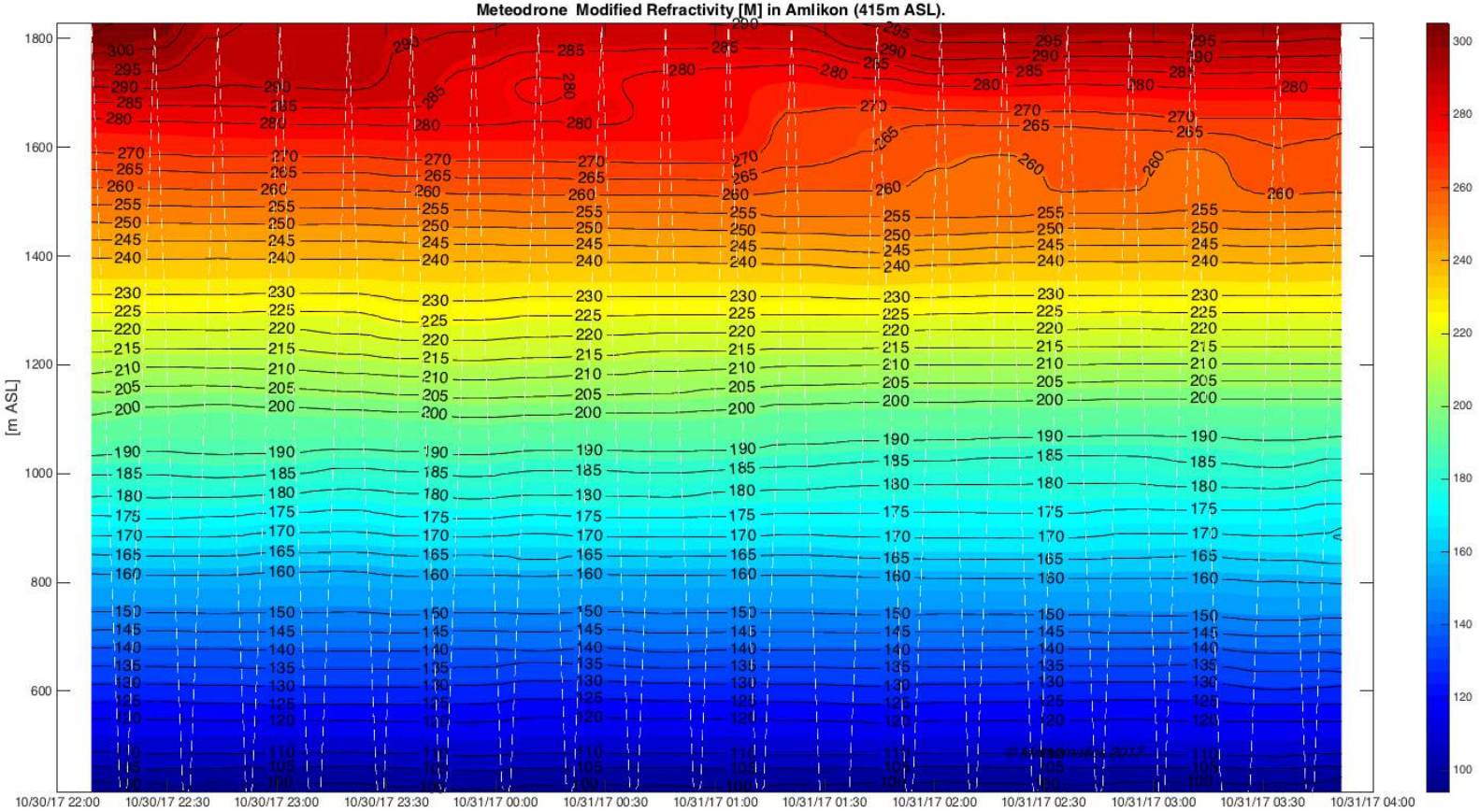
Amlikon 30.10./31.10.2017 – wind speed & direction



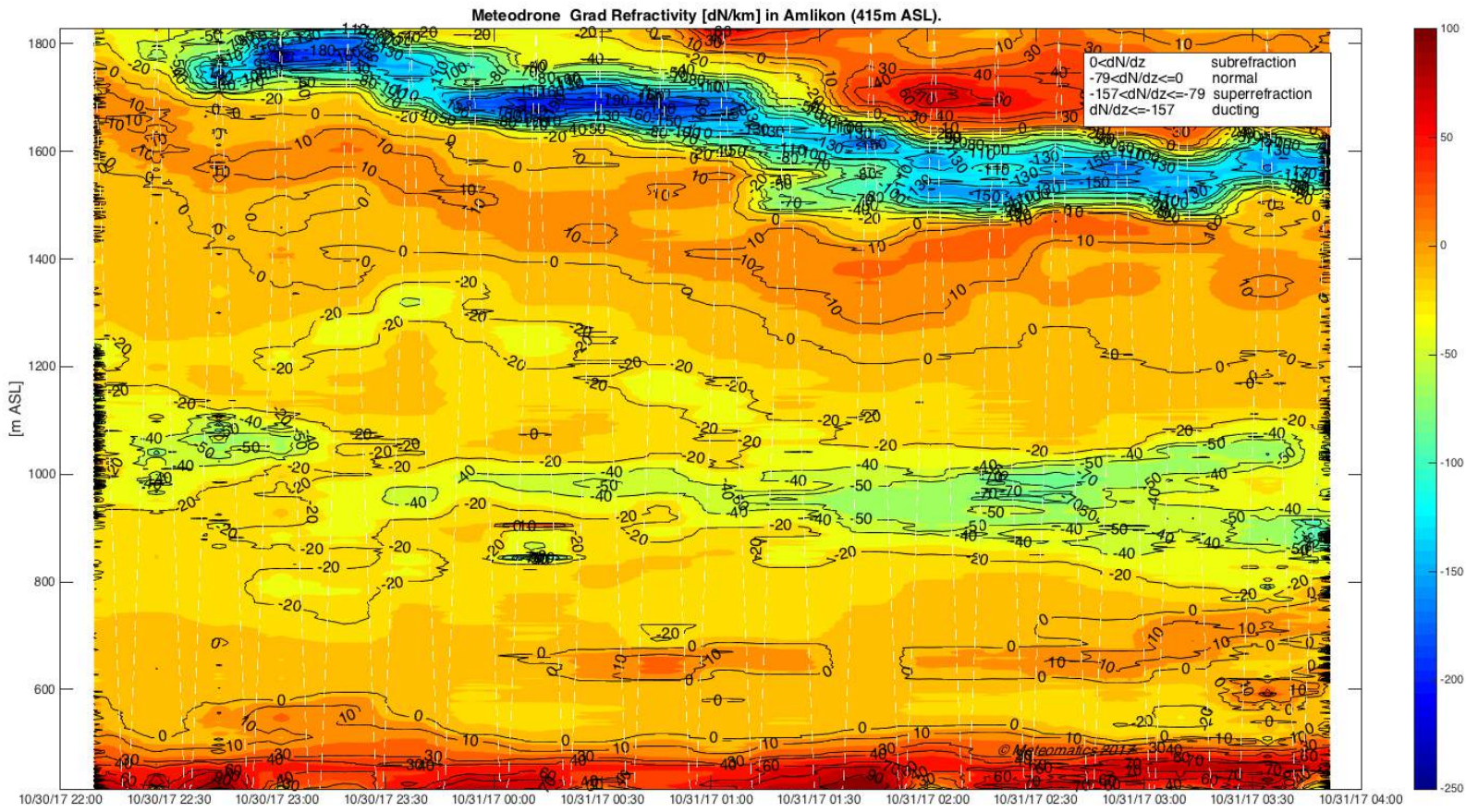
Amlikon 30.10./31.10.2017 –refractivity



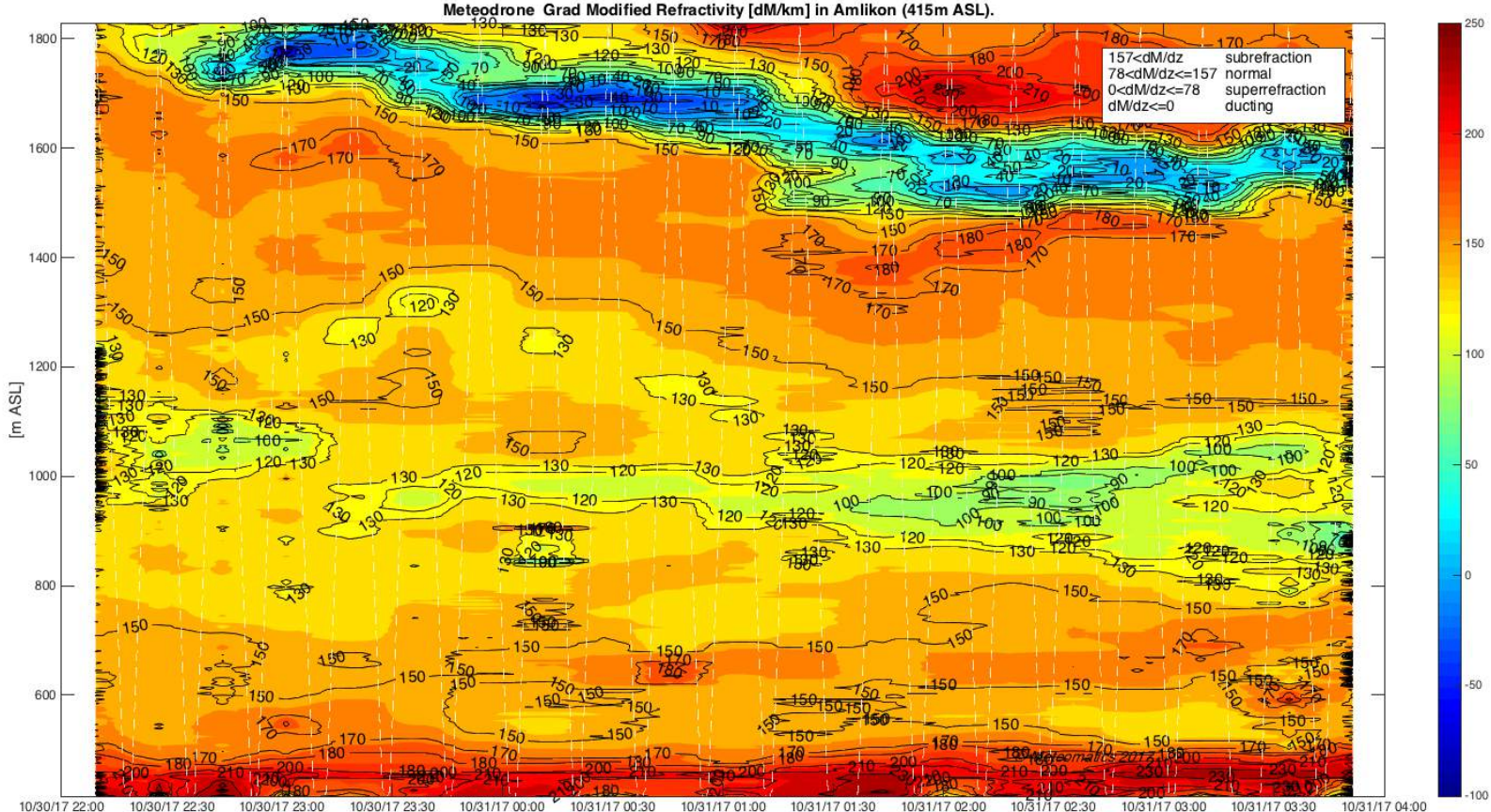
Amlikon 30.10./31.10.2017 – modified refractivity



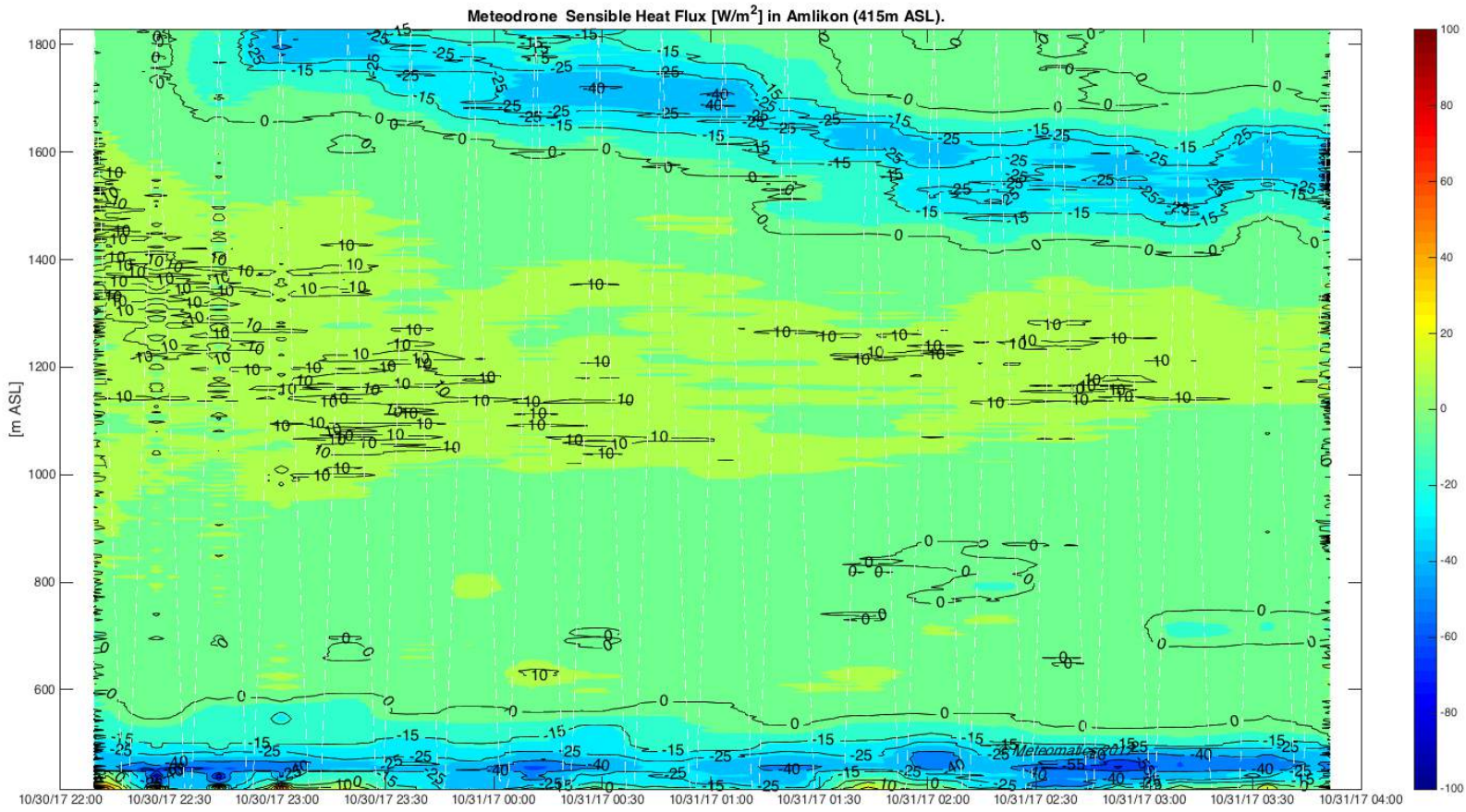
Amlikon 30.10./31.10.2017 – grad refractivity



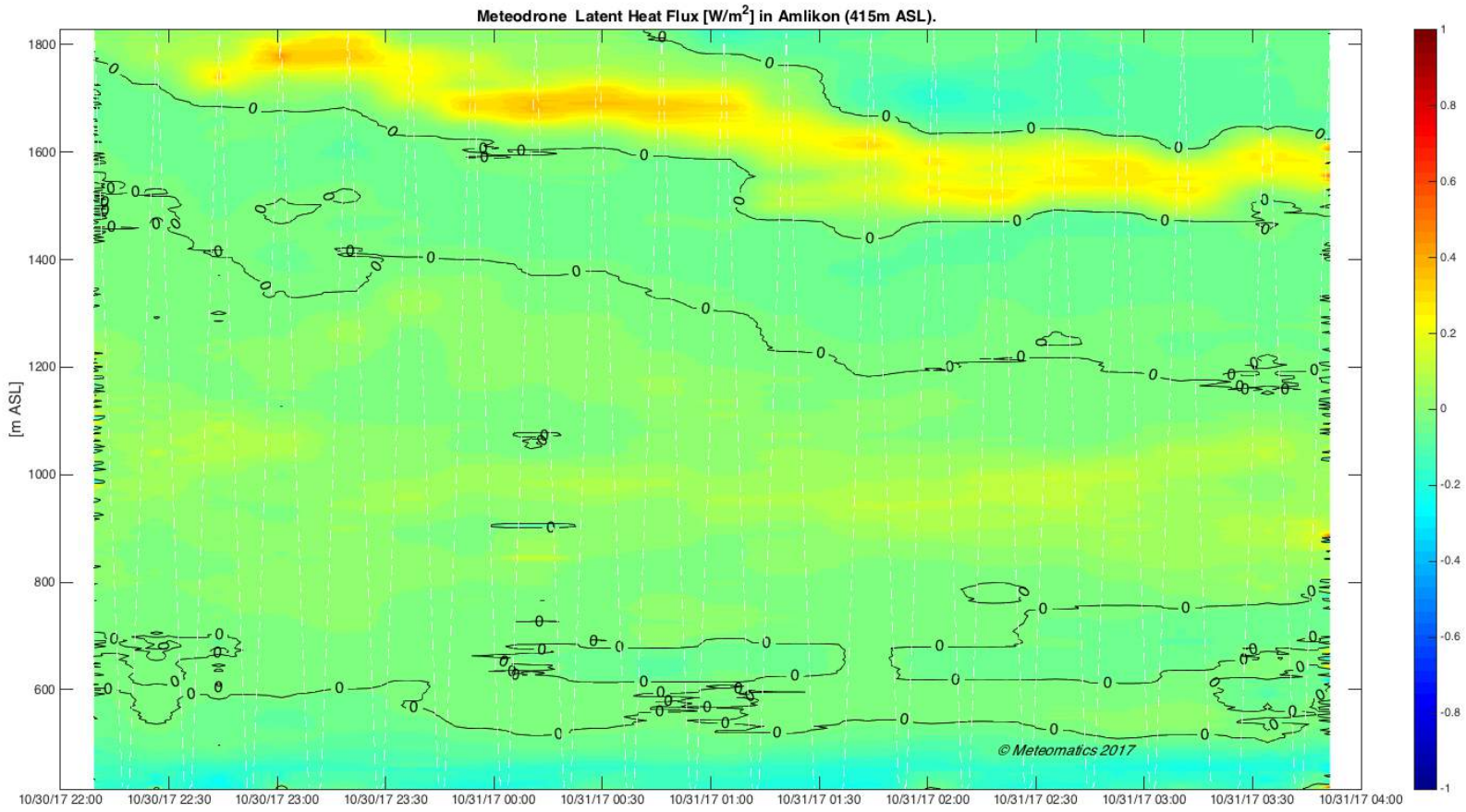
Amlikon 30.10./31.10.2017 – grad modified refractivity



Amlikon 30.10./31.10.2017 – sensible heat flux



Amlikon 30.10./31.10.2017 – latent heat flux





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CEO

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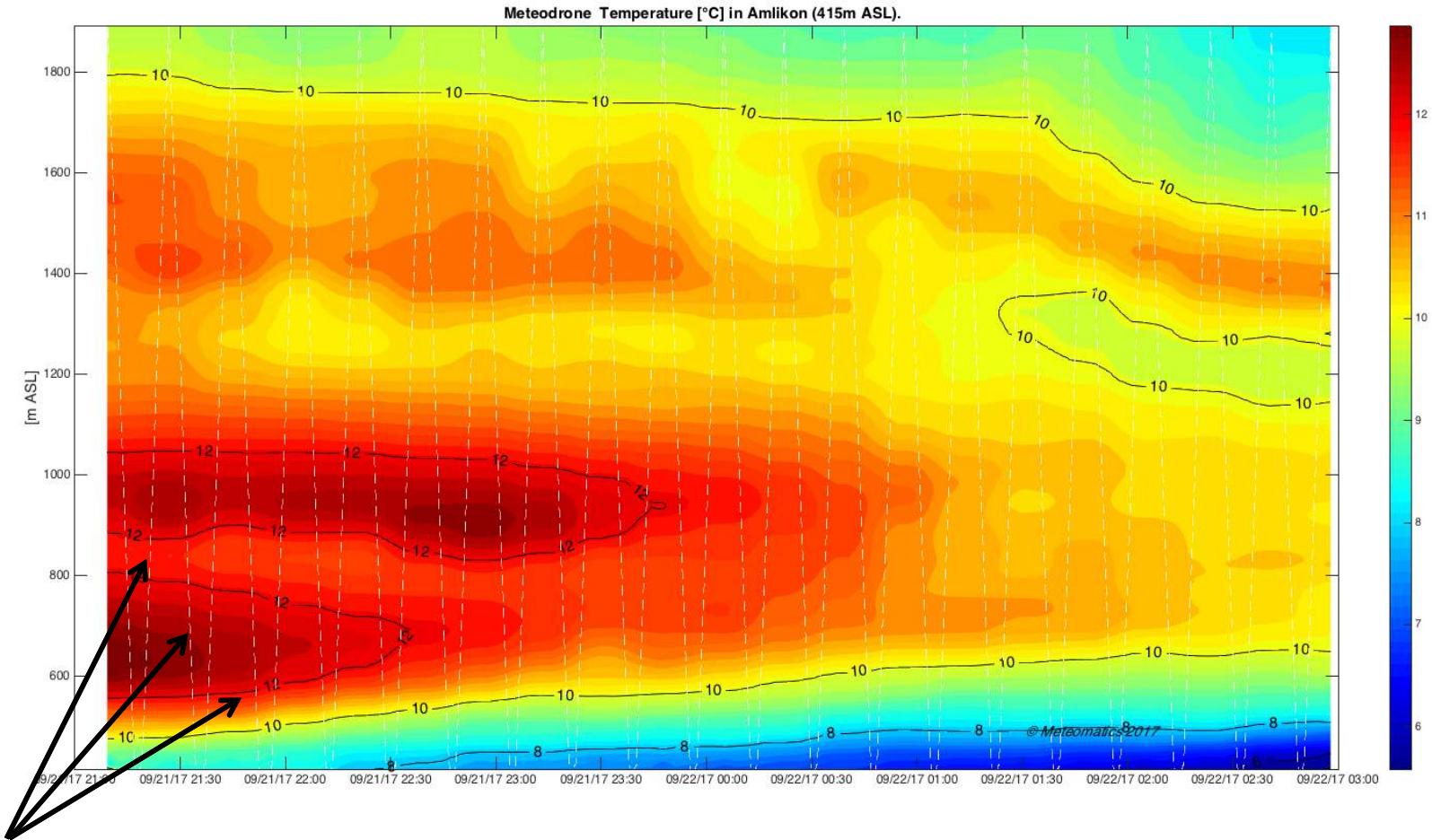


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White strobe (visibility >3km)

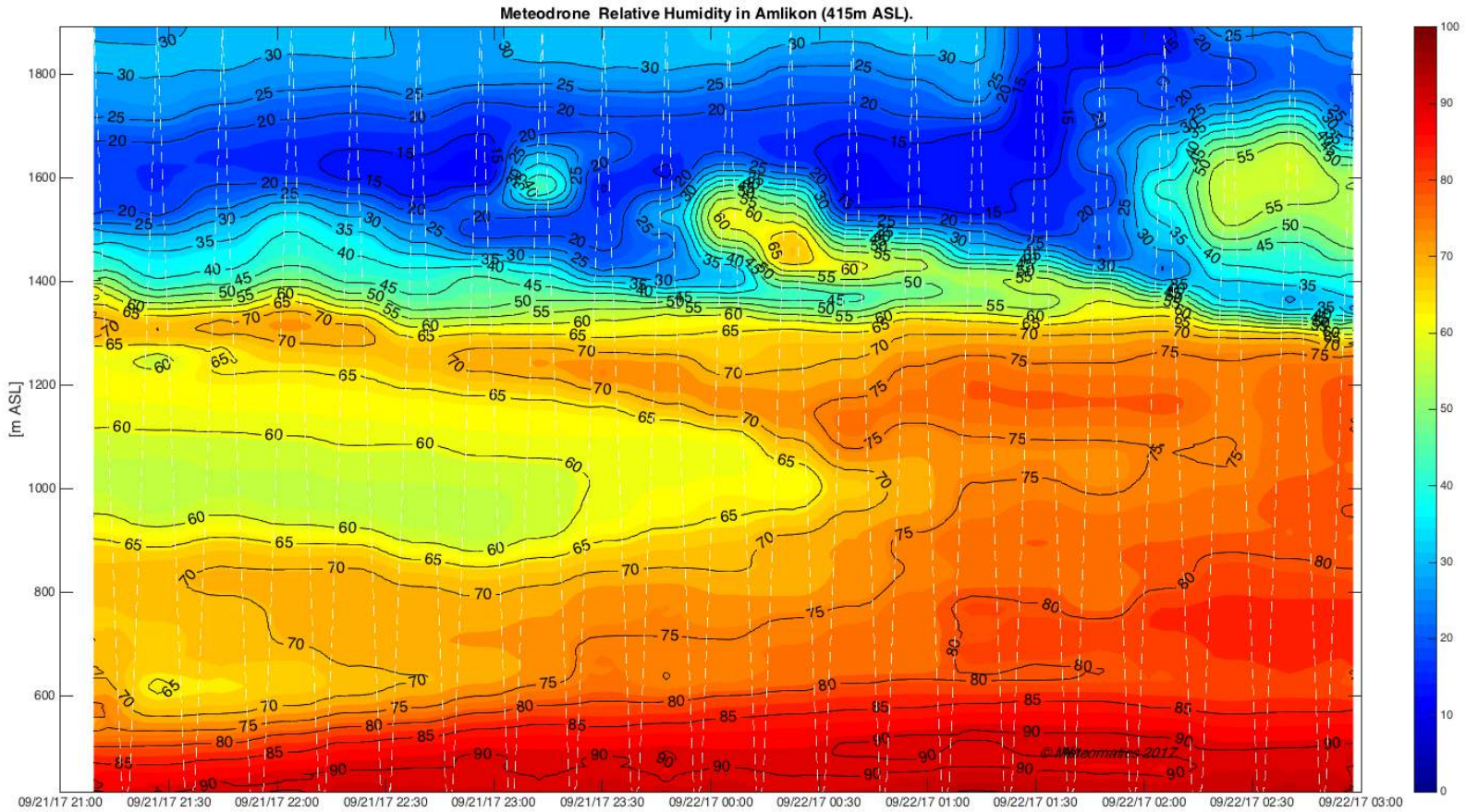
Wind measurement using aircraft pitch & roll

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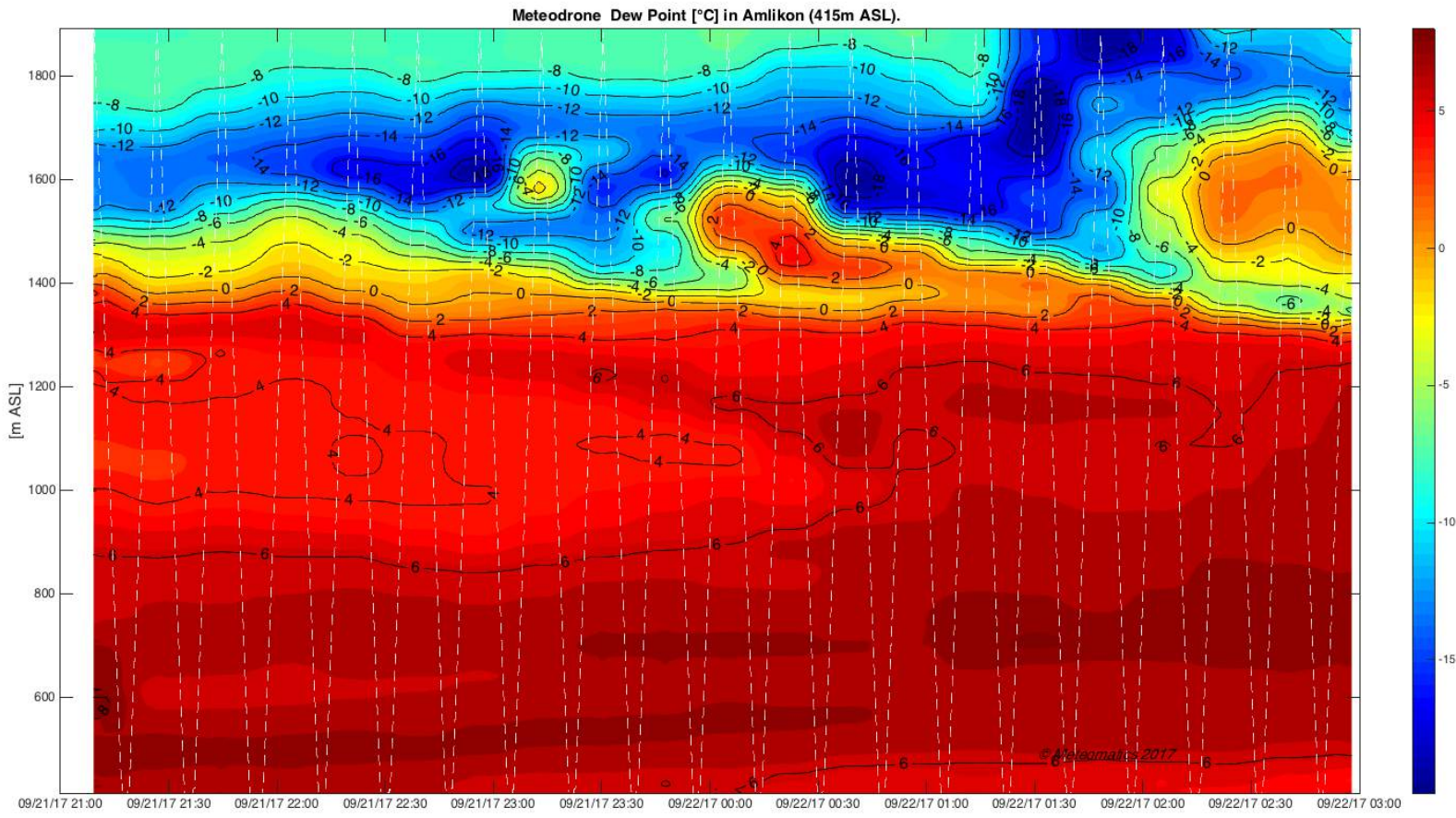


White dots indicate the drone flight track.

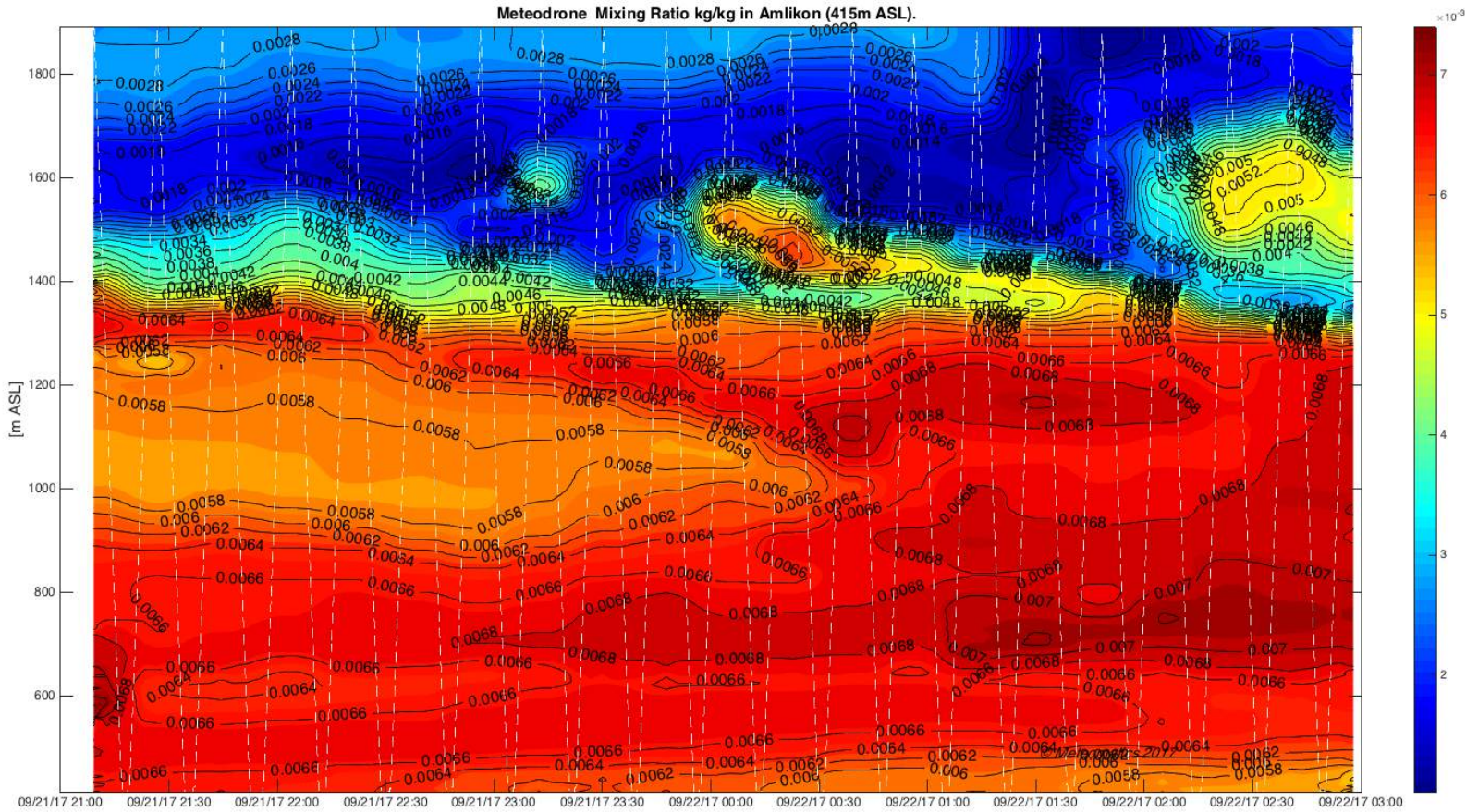
Amlikon 21.9./22.9.2017– relative humidity



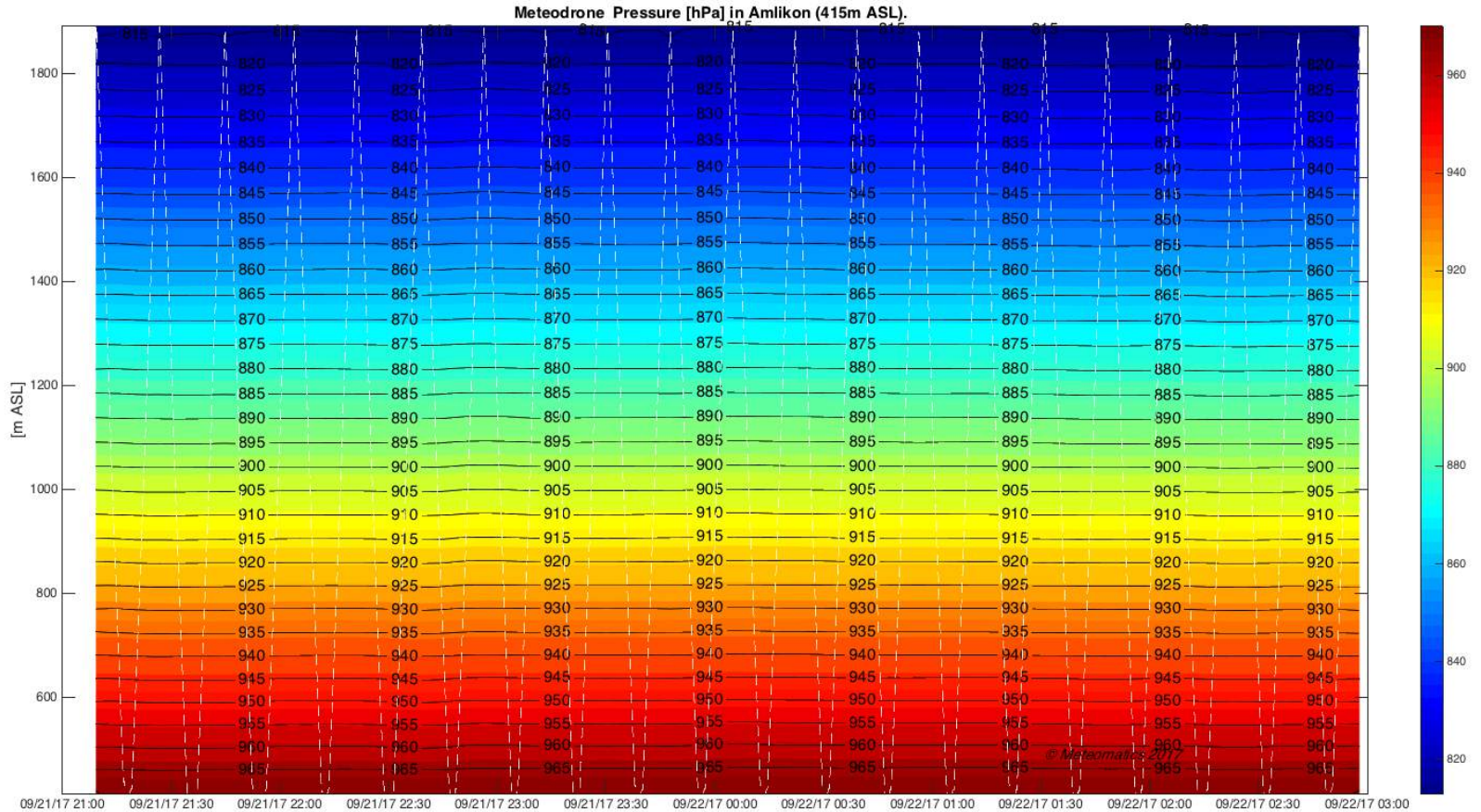
Amlikon 21.9./22.9.2017– dew point



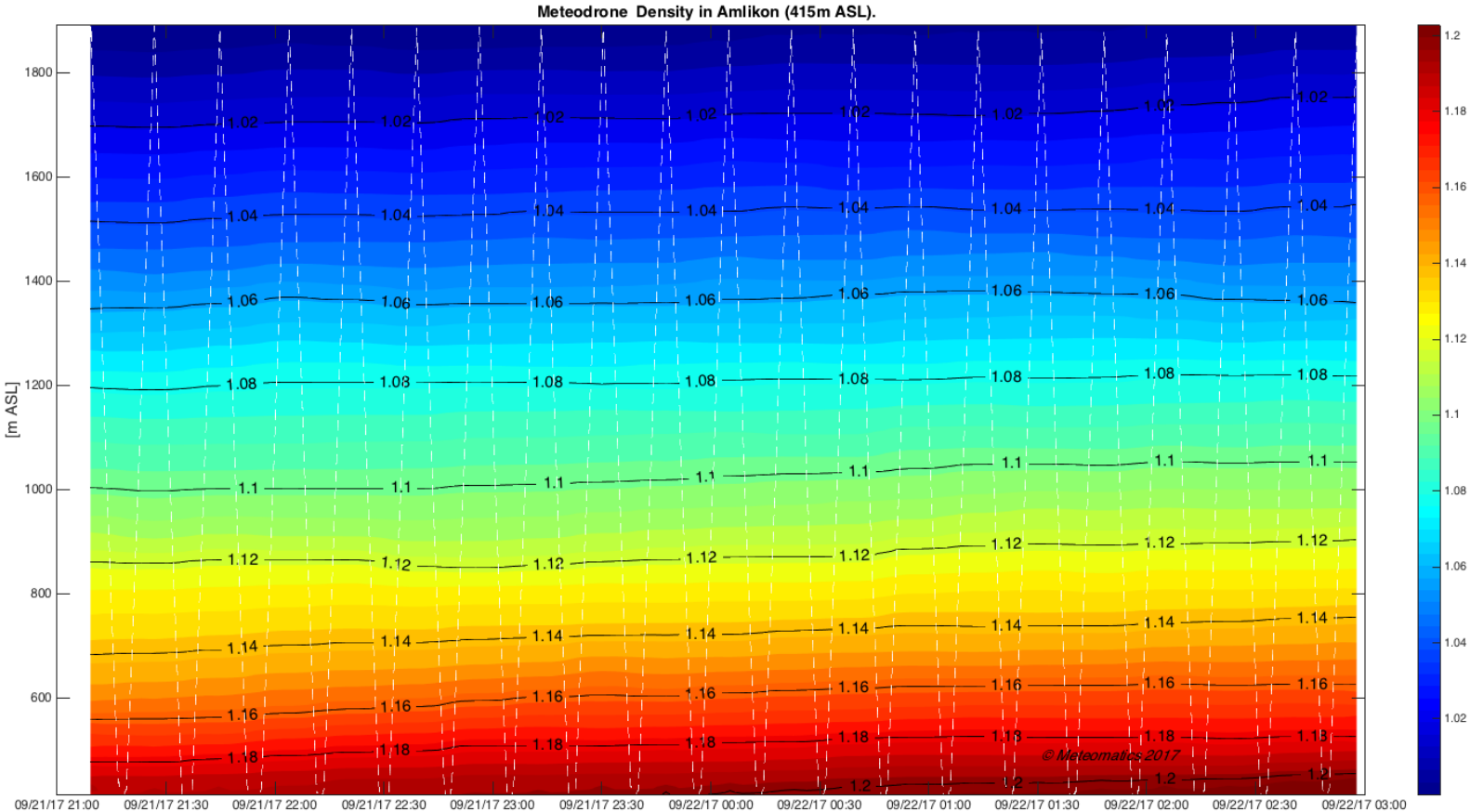
Amlikon 21.9./22.9.2017– mixing ratio



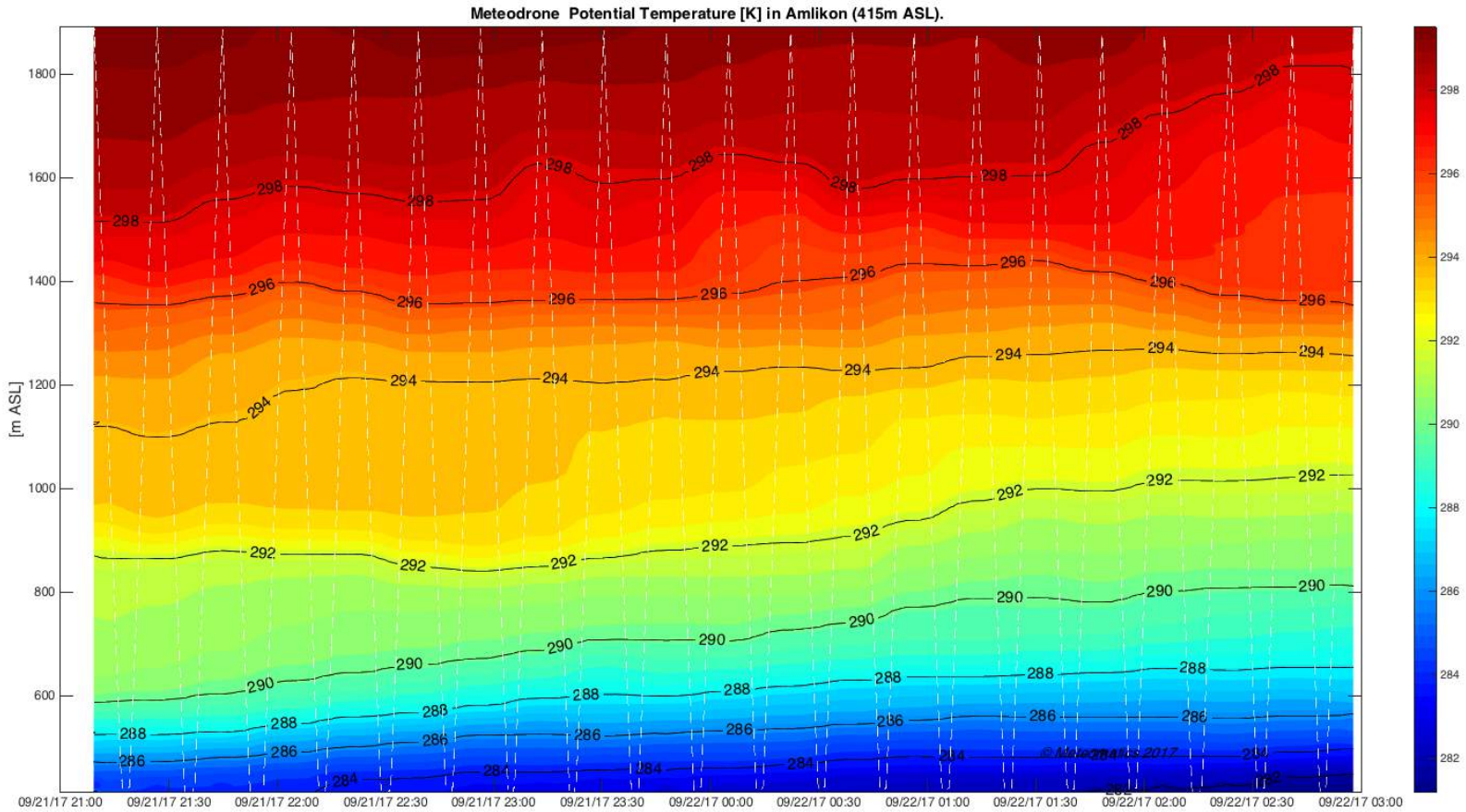
Amlikon 21.9./22.9.2017– pressure



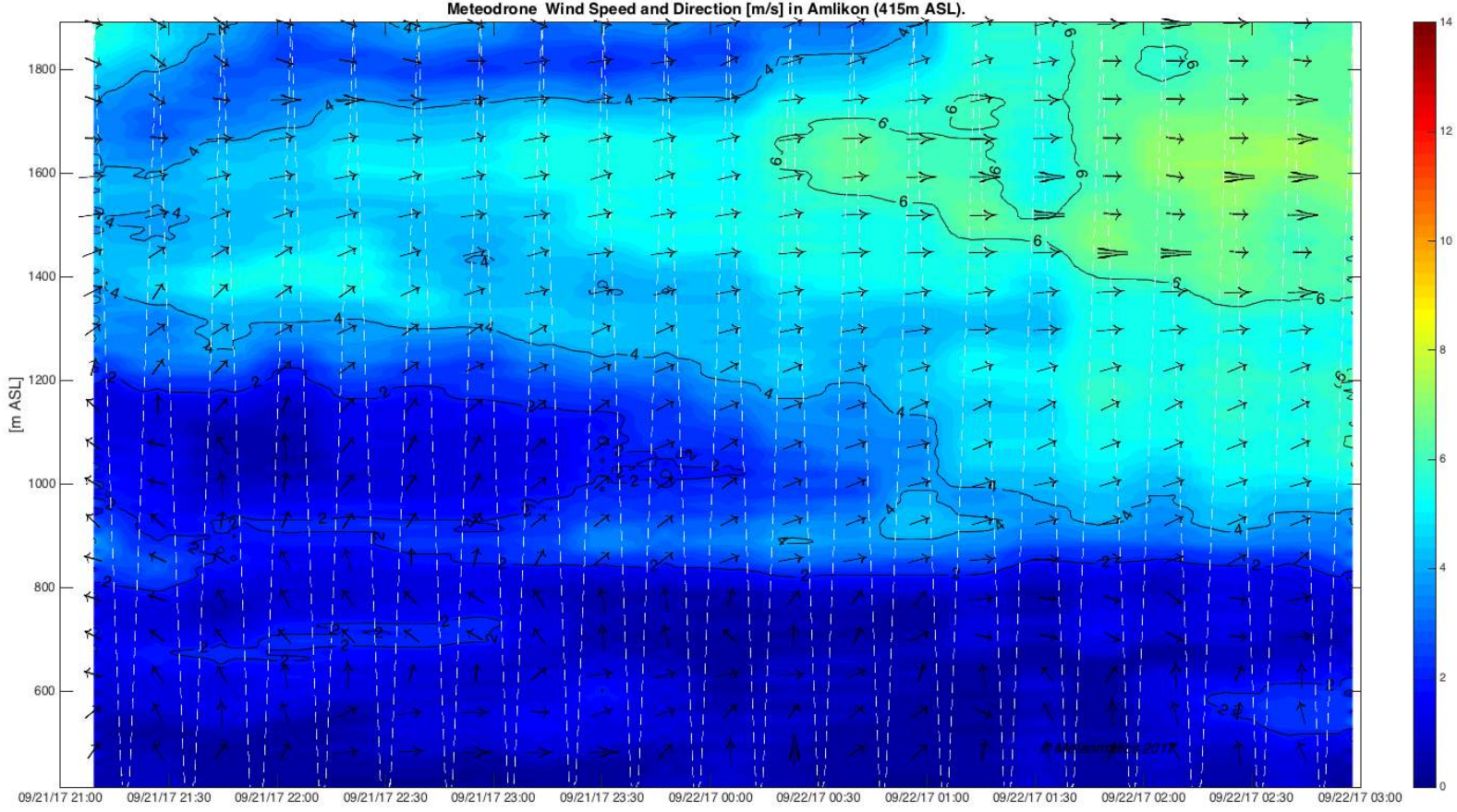
Amlikon 21.9./22.9.2017 - density



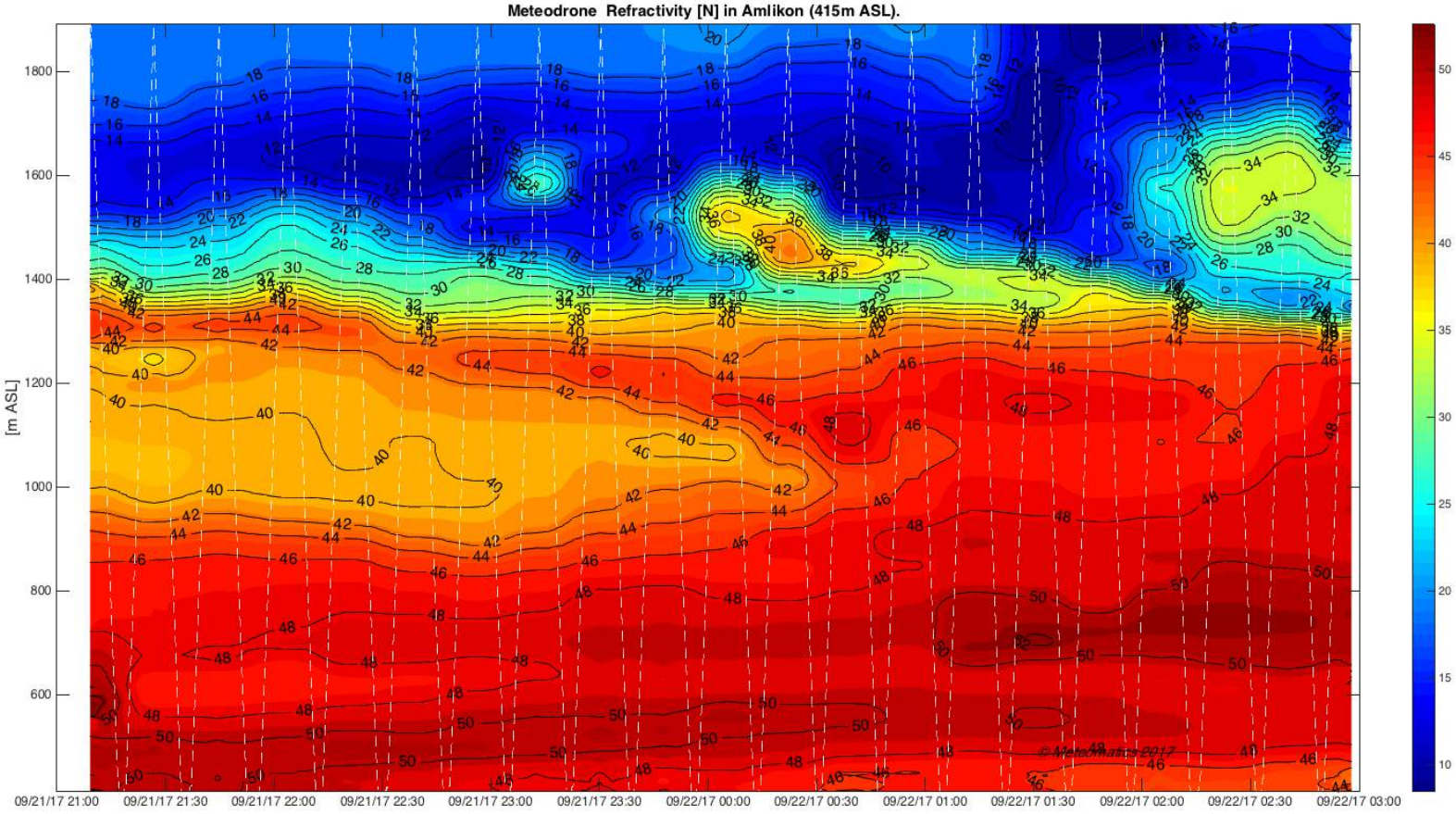
Amlikon 21.9./22.9.2017– potential temperature



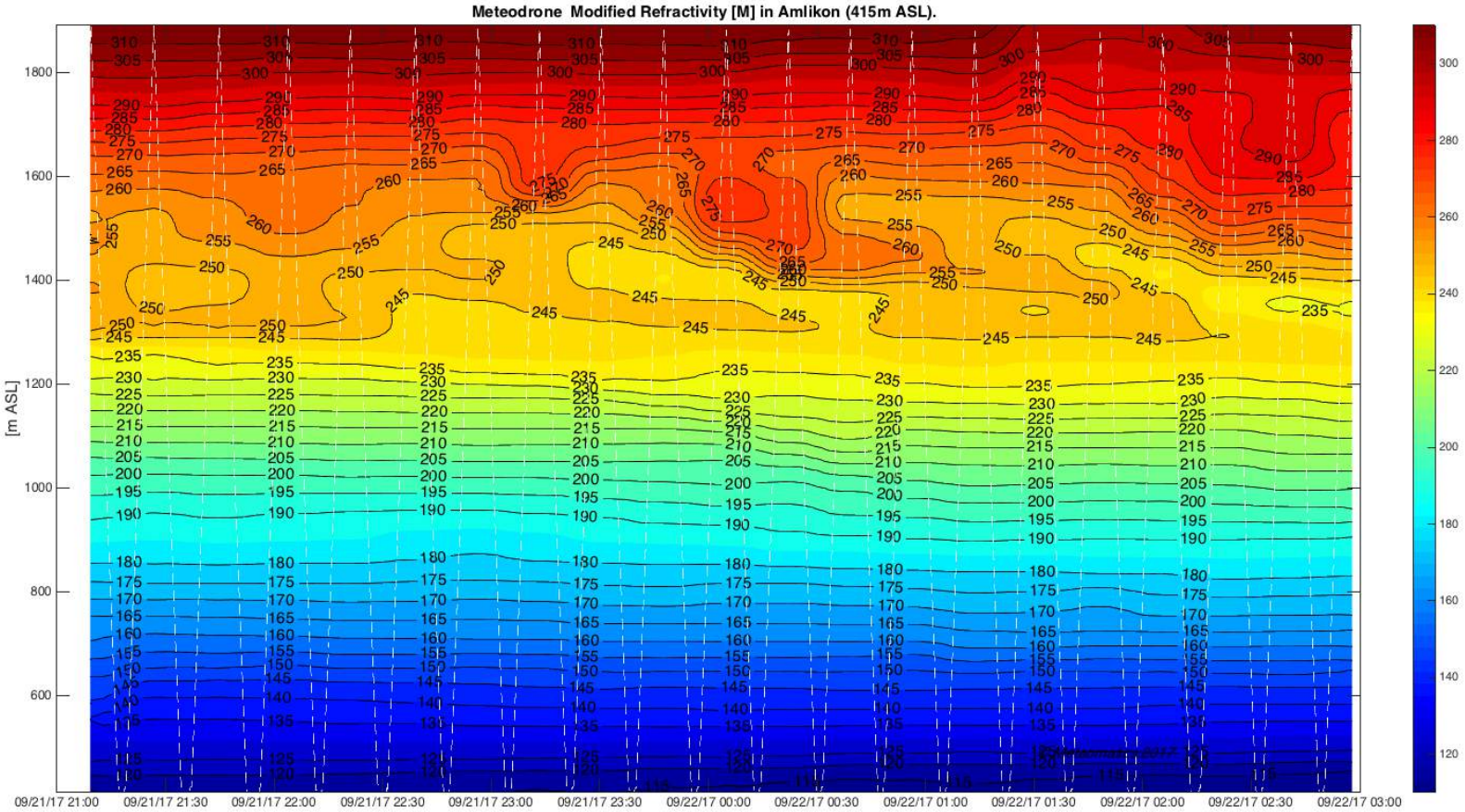
Amlikon 21.9./22.9.2017 – wind speed & direction



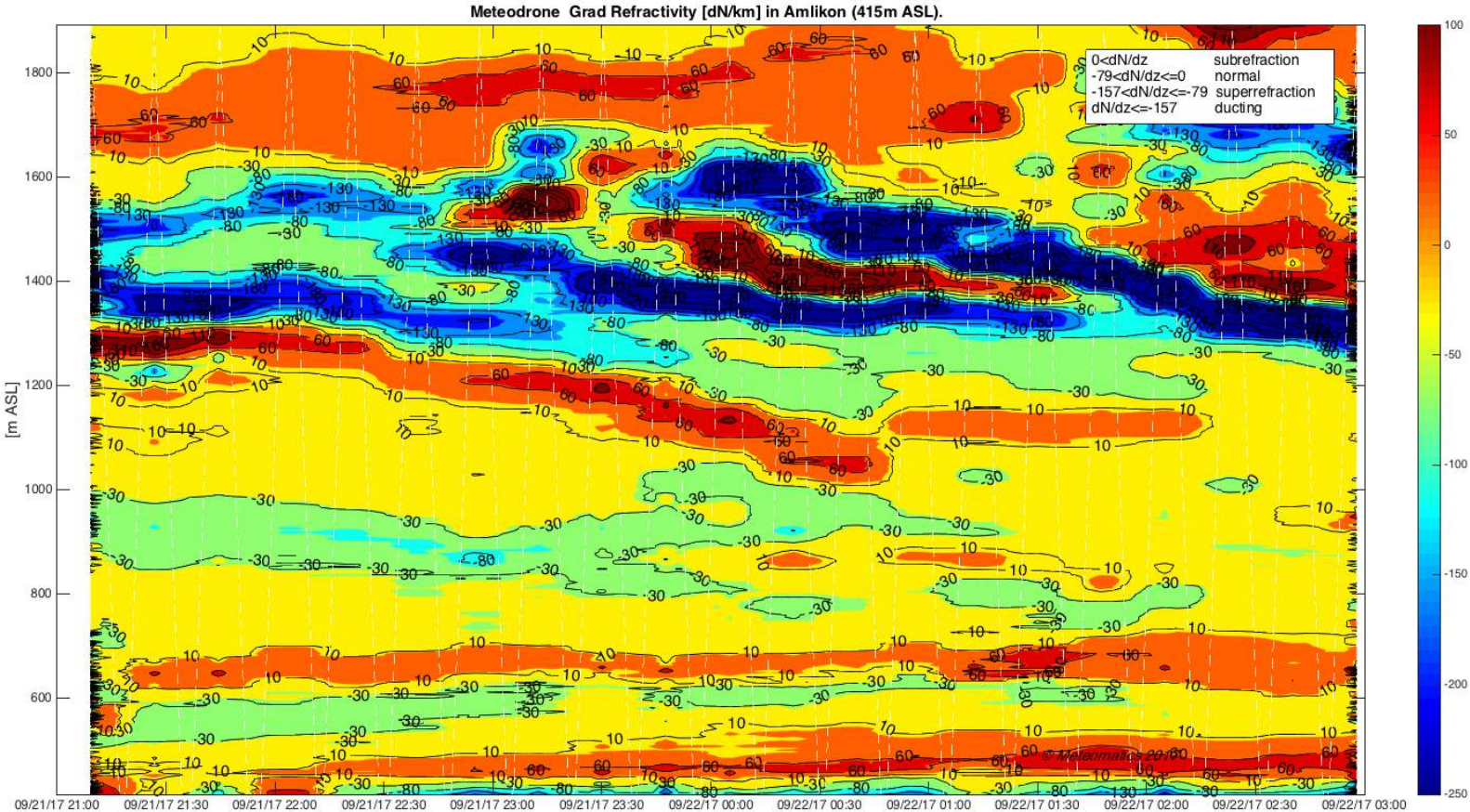
Amlikon 21.9./22.9.2017– refractivity



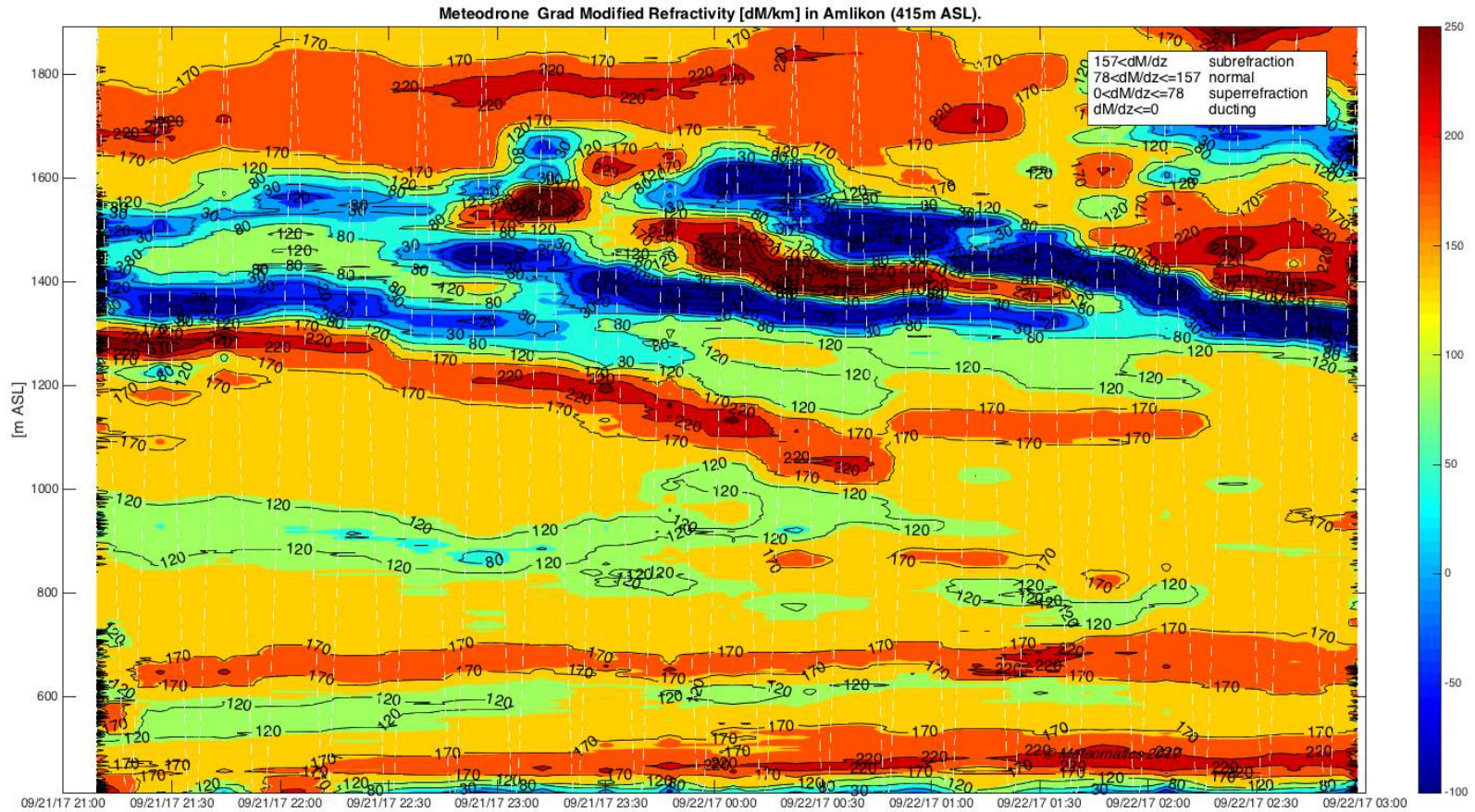
Amlikon 21.9./22.9.2017 – modified refractivity



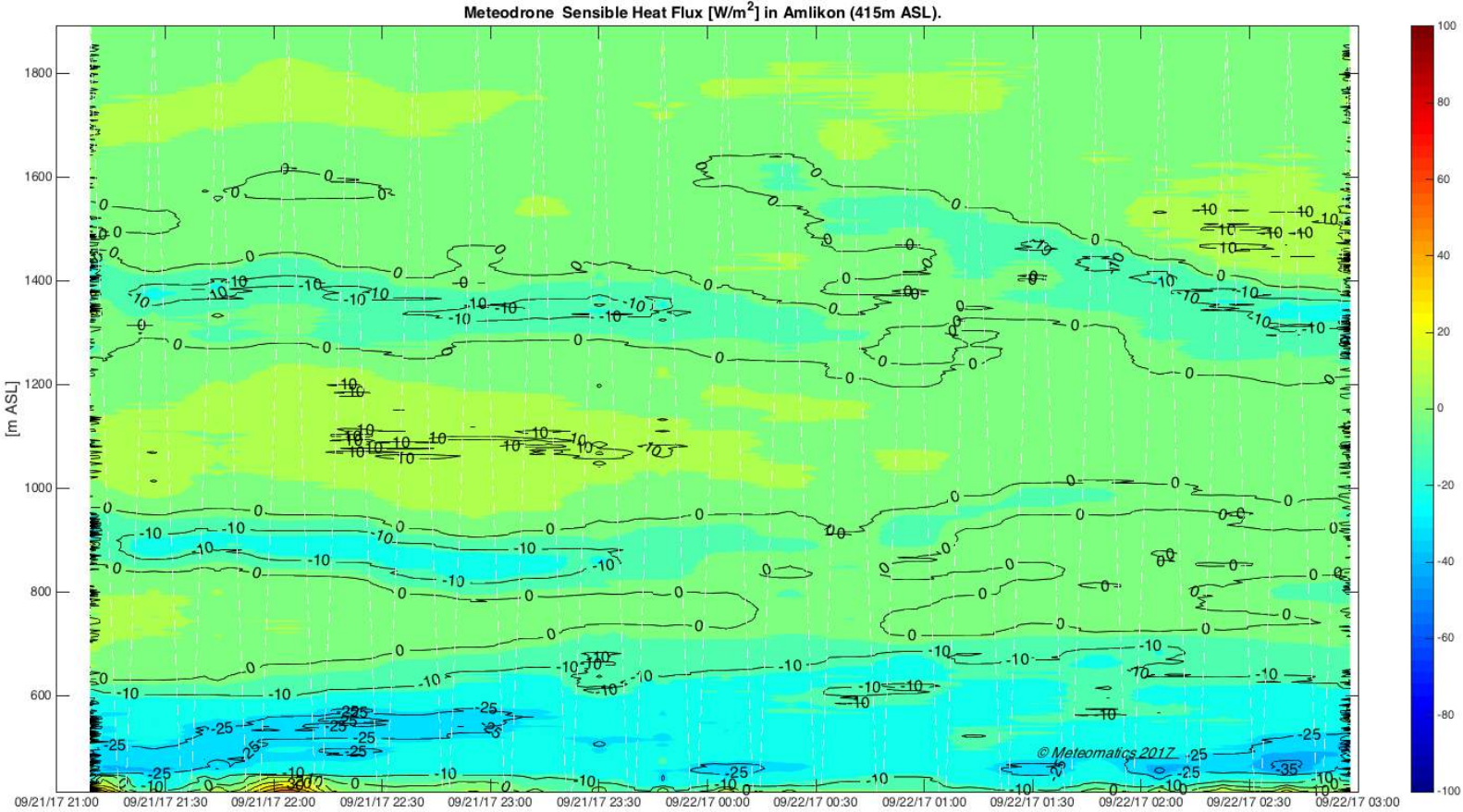
Amlikon 21.9./22.9.2017 – grad refractivity



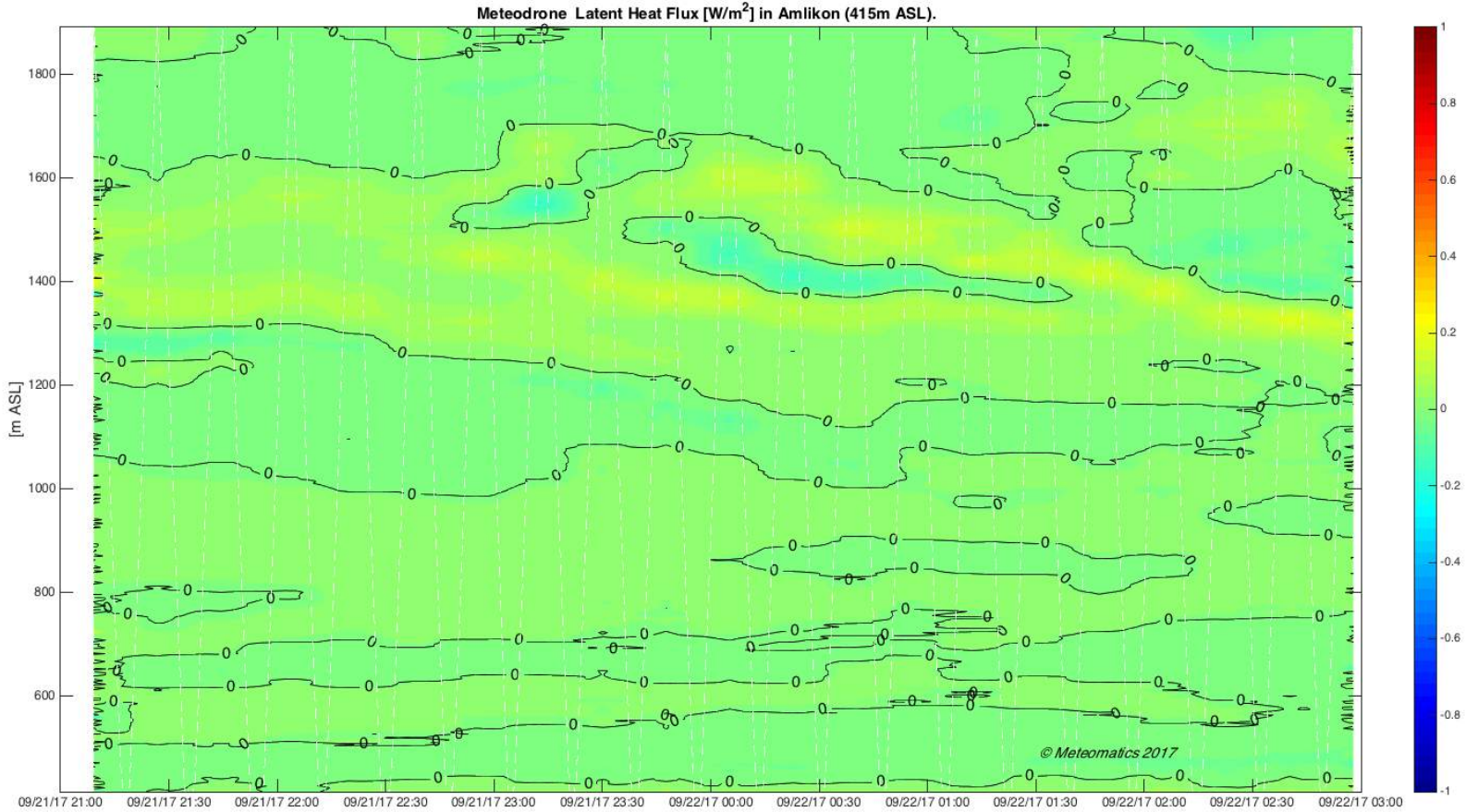
Amlikon 21.9./22.9.2017 – grad modified refractivity



Amlikon 21.9./22.9.2017 – sensible heat flux



Amlikon 21.9./22.9.2017– latent heat flux





Dr. Martin Fengler

CEO

mfengler@meteomatics.com

Meteomatics AG

Lerchenfeldstr. 3

9014 St. Gallen

Switzerland

+41 71 272 66 50

www.meteomatics.com