

Meteodrones

A joint research project between MeteoSchweiz and Meteomatics:



Meteomatics GmbH



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

MeteoSchweiz

Supported by fundings out of *Spezialfinanzierung Luftfahrt* and *STARTFELD* :



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

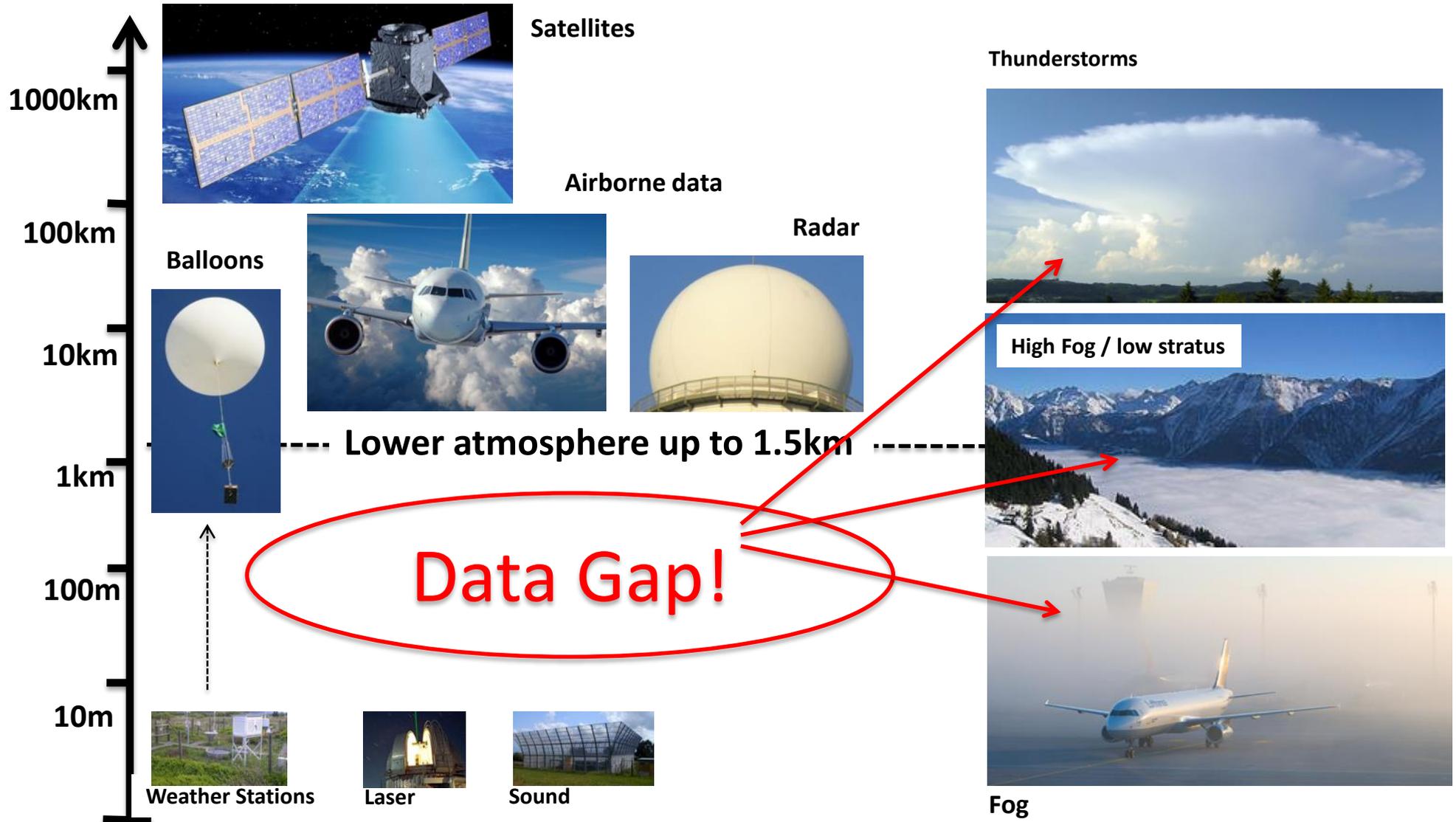
Federal Office of Civil Aviation



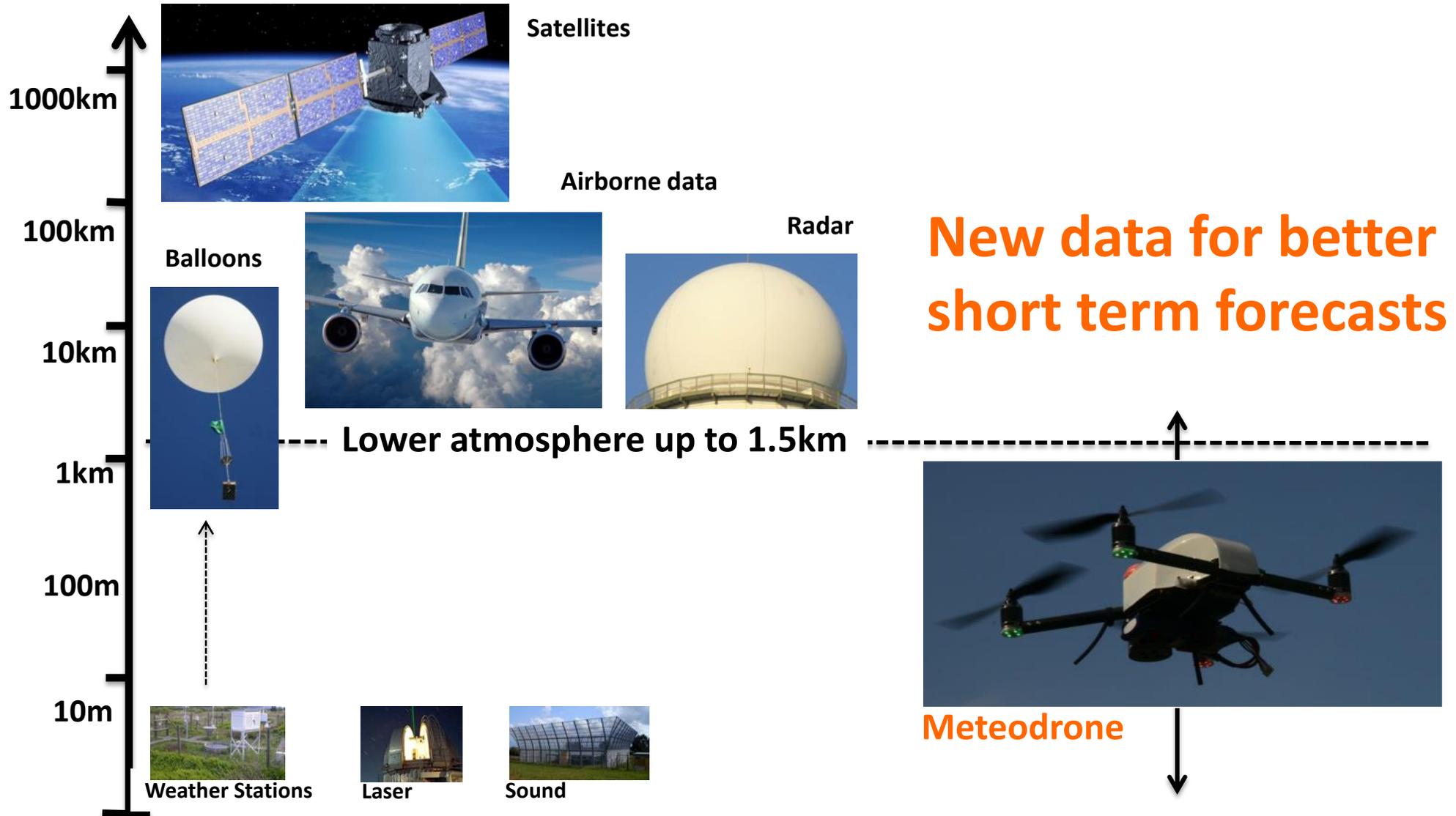
STARTFELD

STARTFELD St. Gallen

There is a data gap!



Our solution



Meteodrone at ground

Parachute rescue system





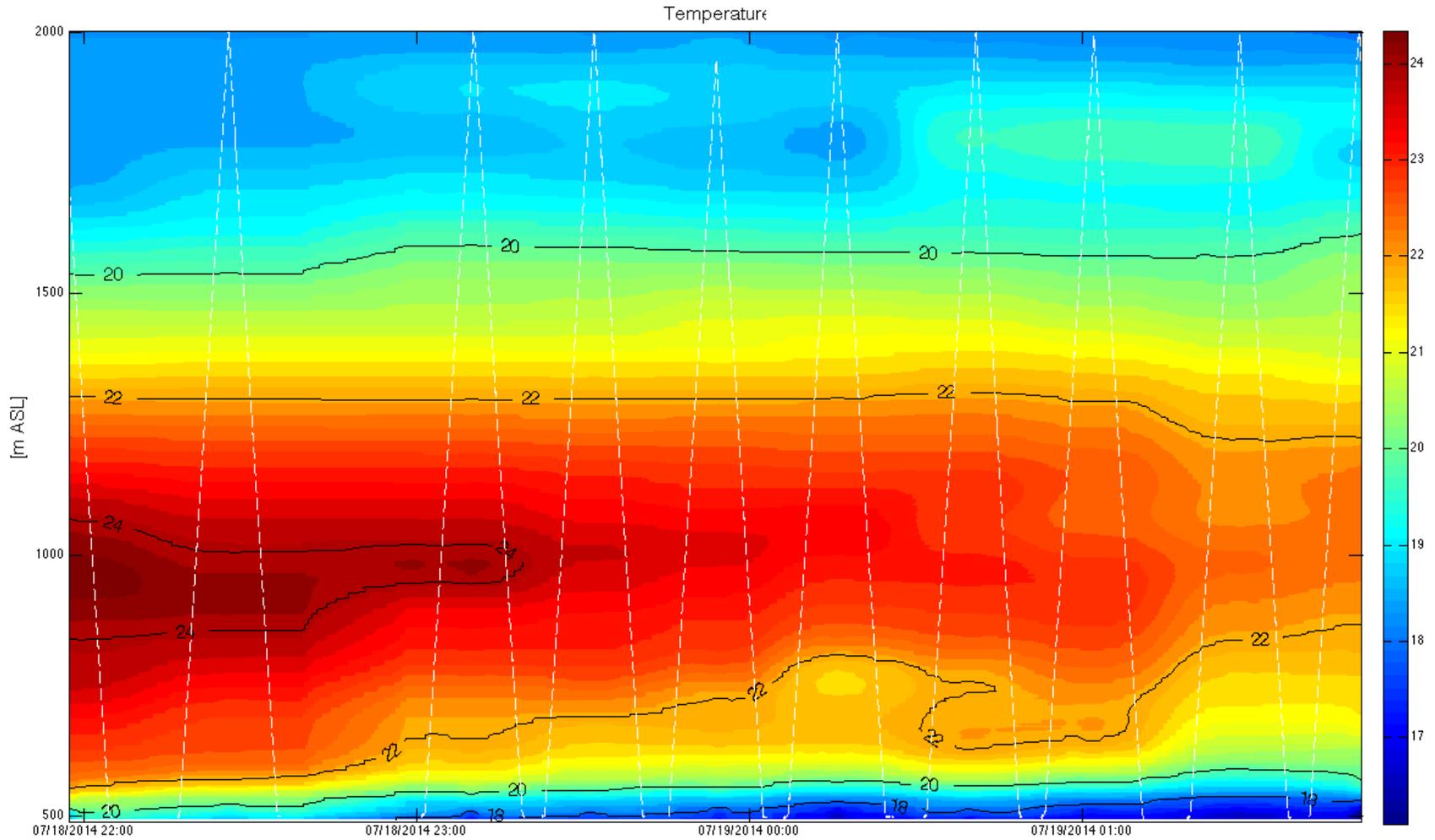
Tests of the emergency rescue system

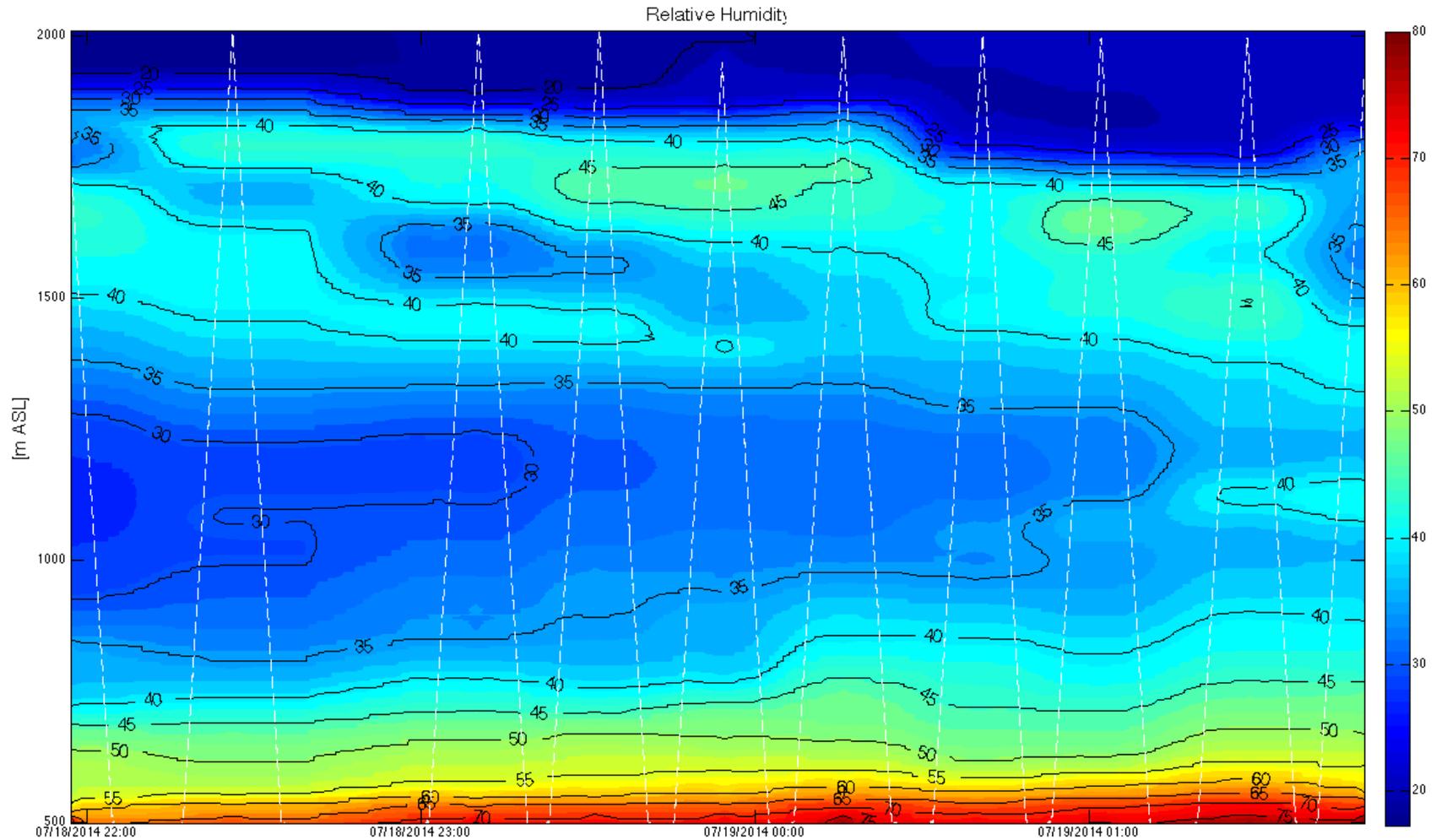


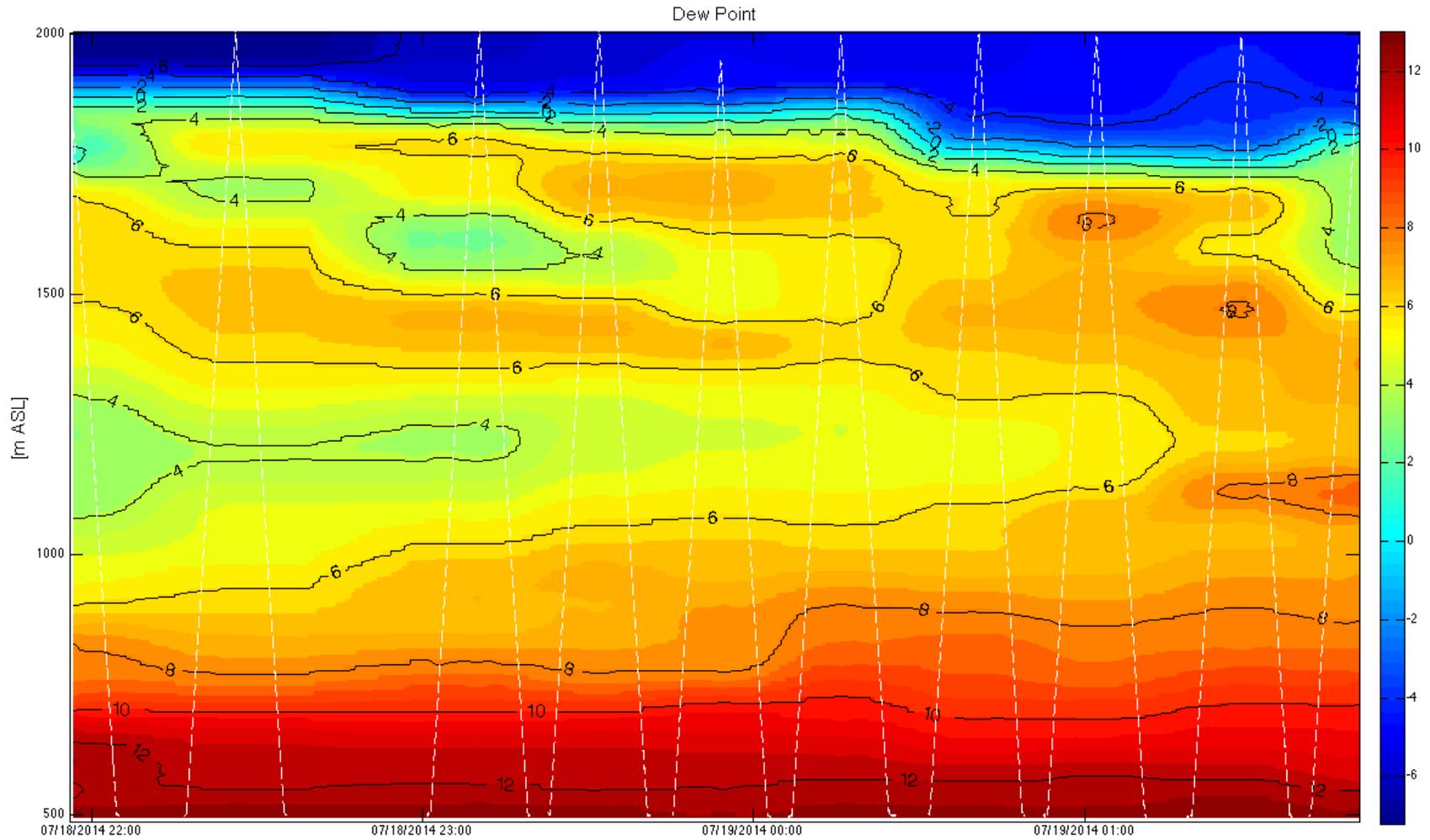
Flight track in Google Earth



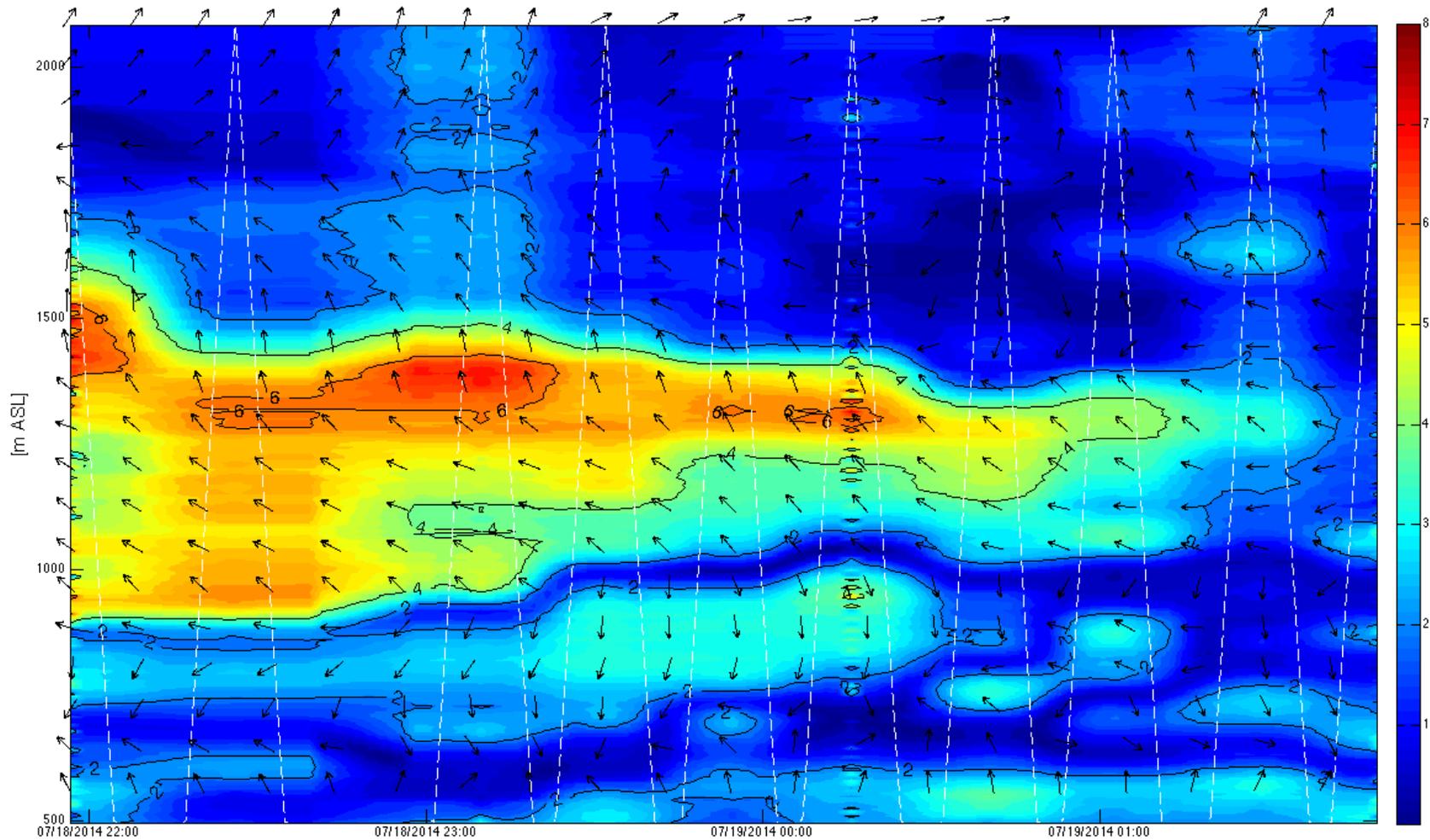
Test flights 18.7./19.7 2014

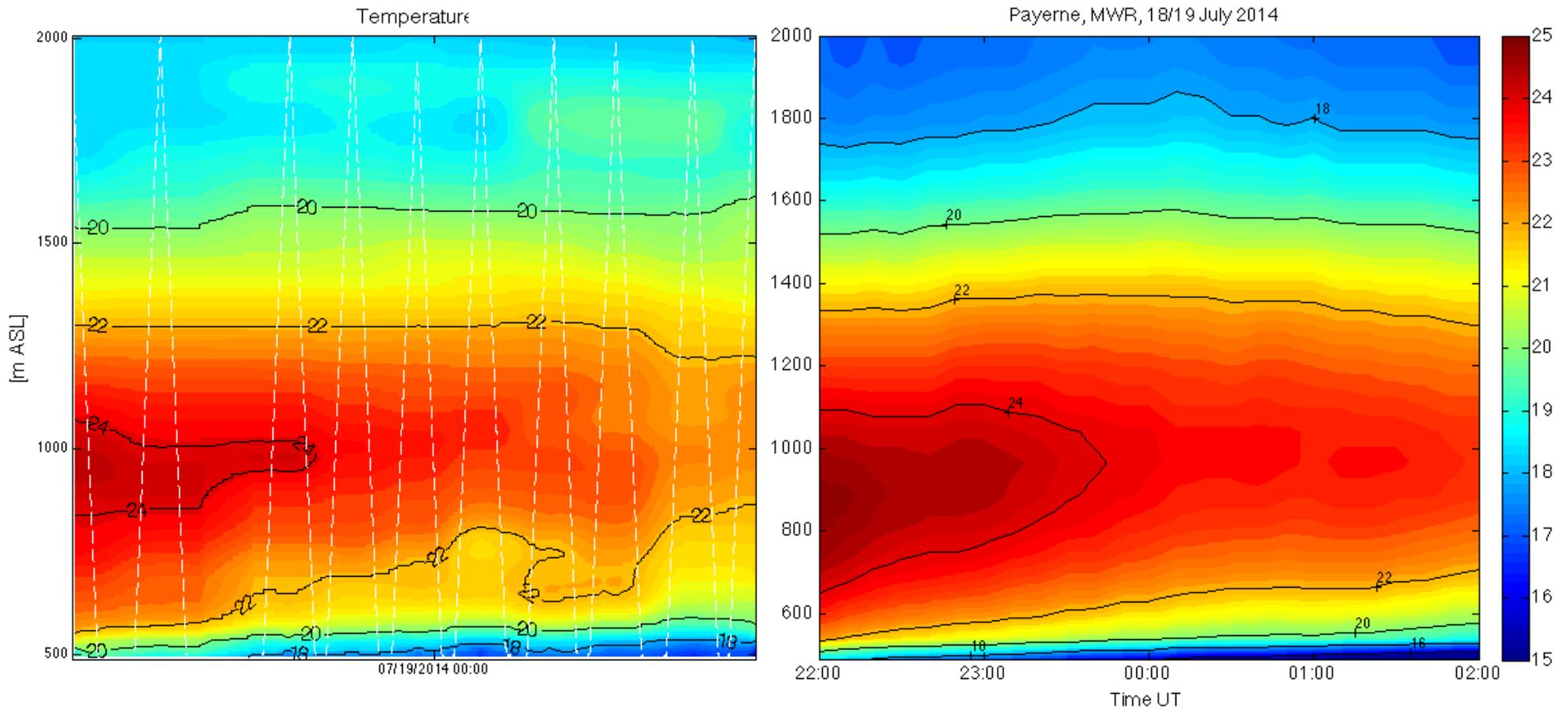


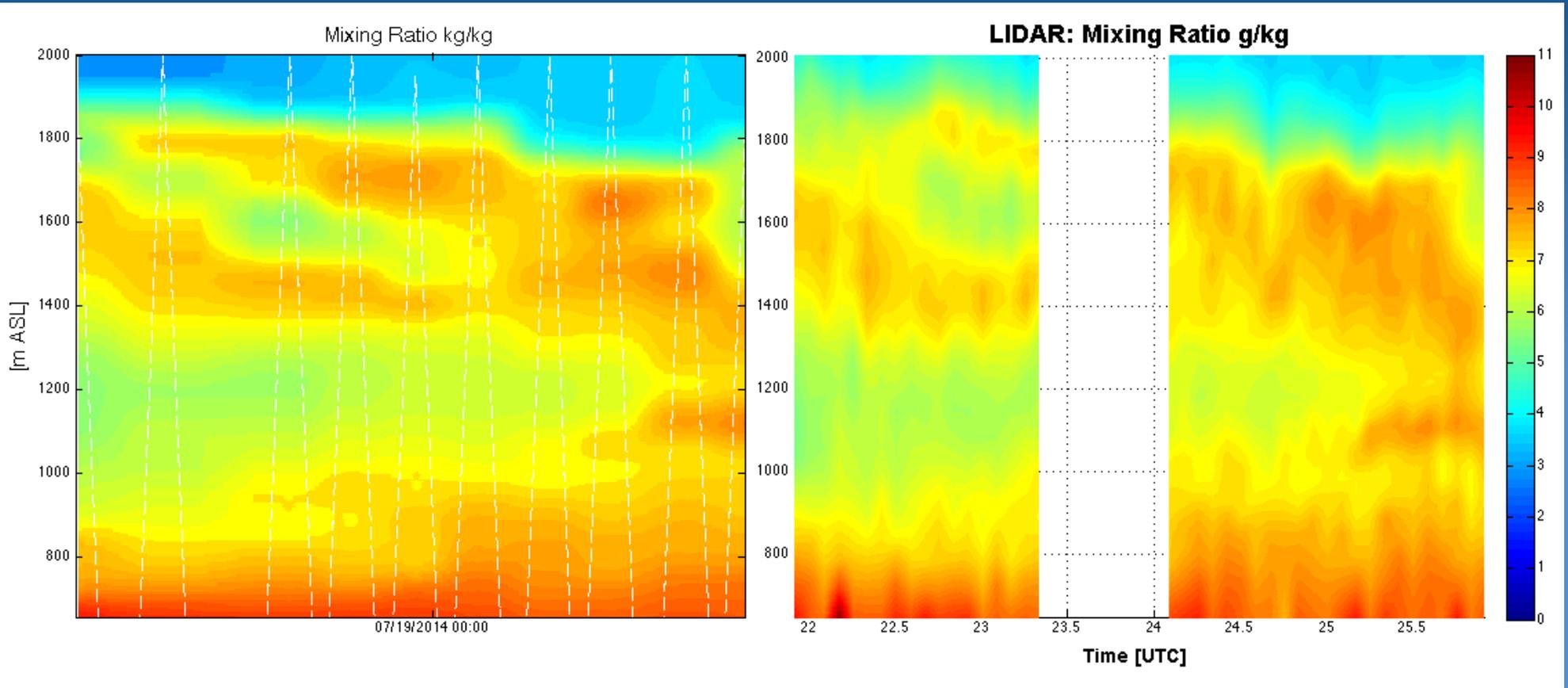


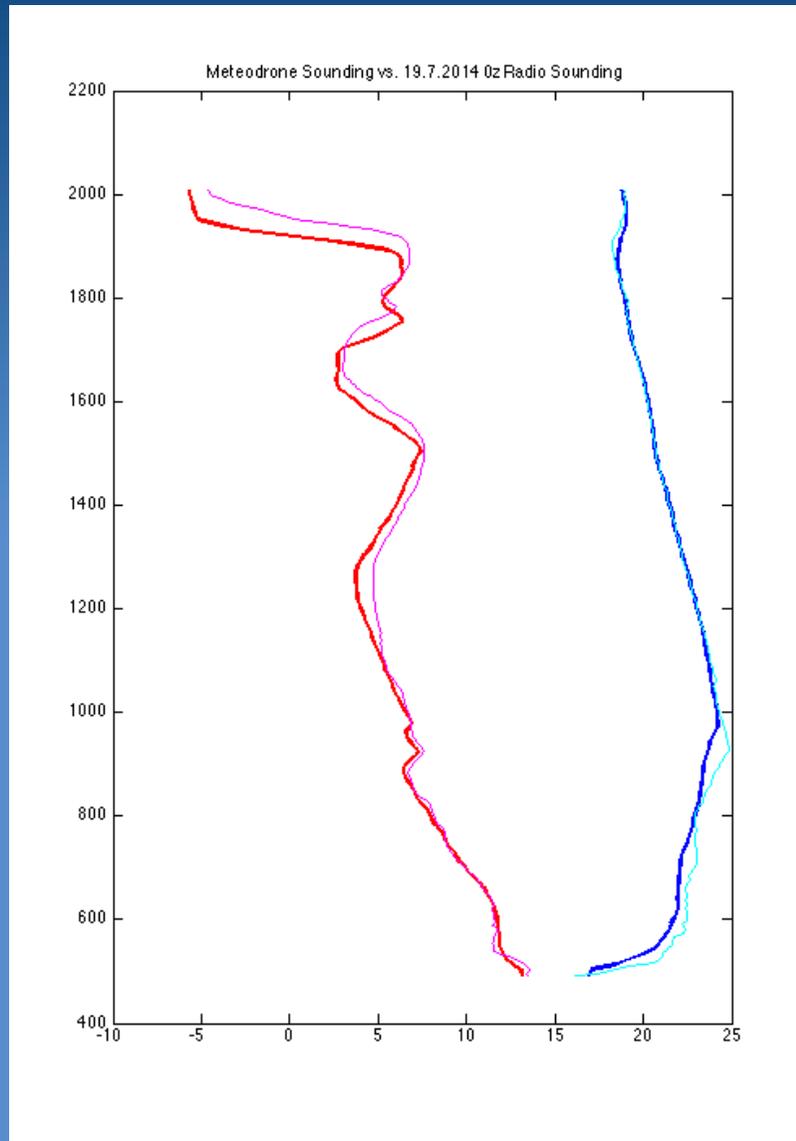


Test flights 18.7./19.7 2014









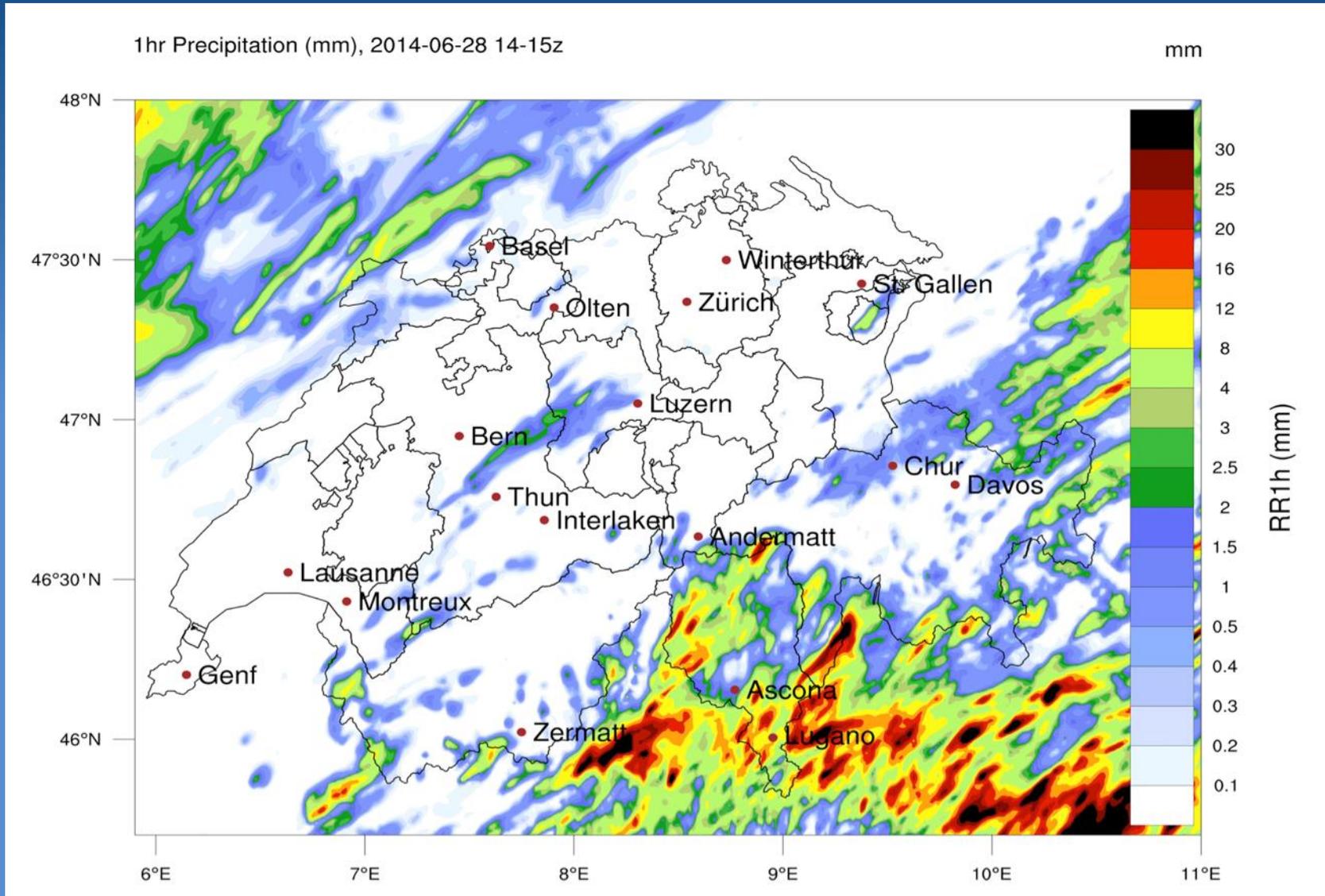
Legend:

- Metedrone (red, blue)
- Balloon (purple, cyan)

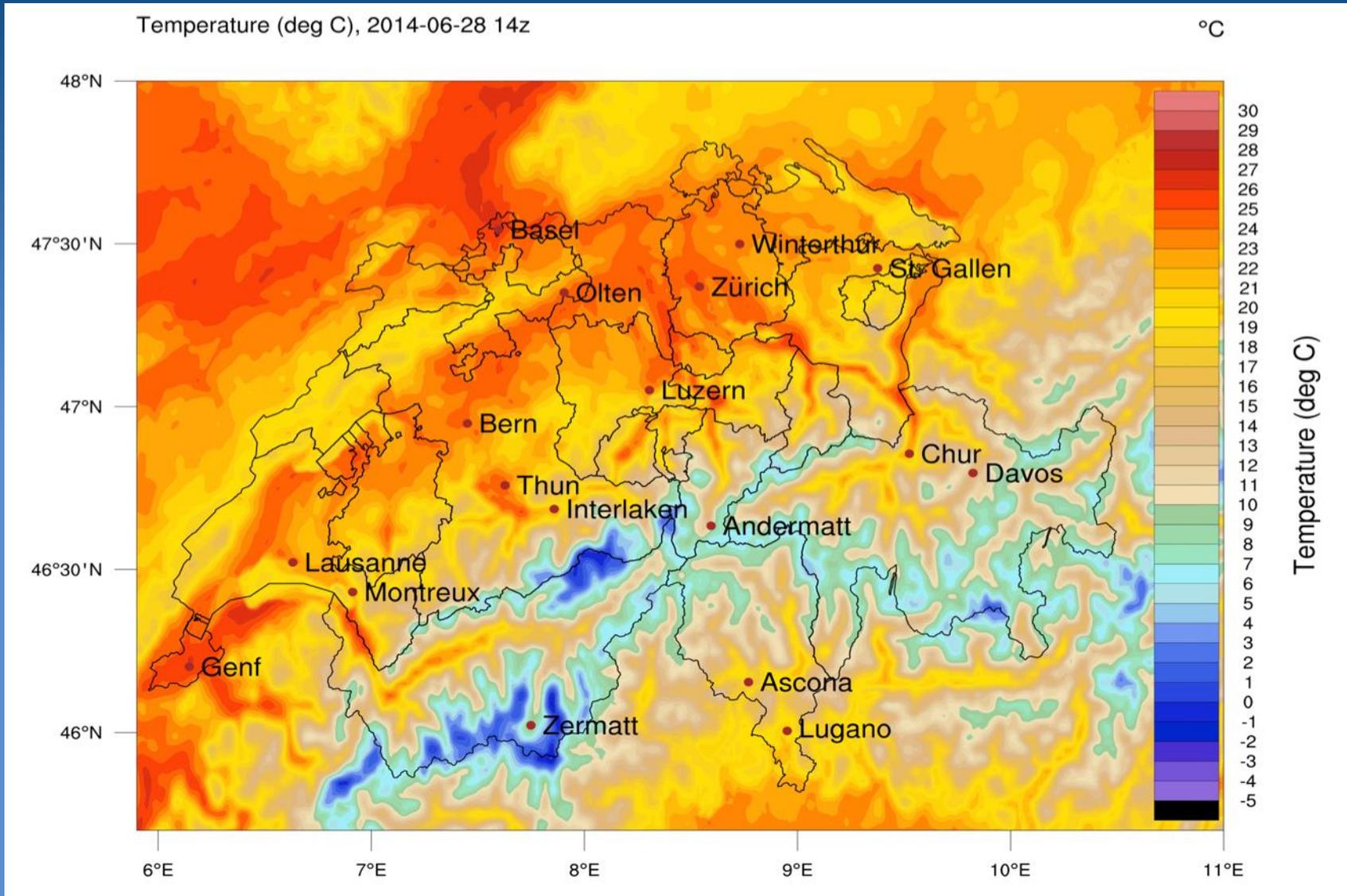
Results:

- Temperature almost equal
- Metedrone humidity sensor seems to be slightly quicker than balloon

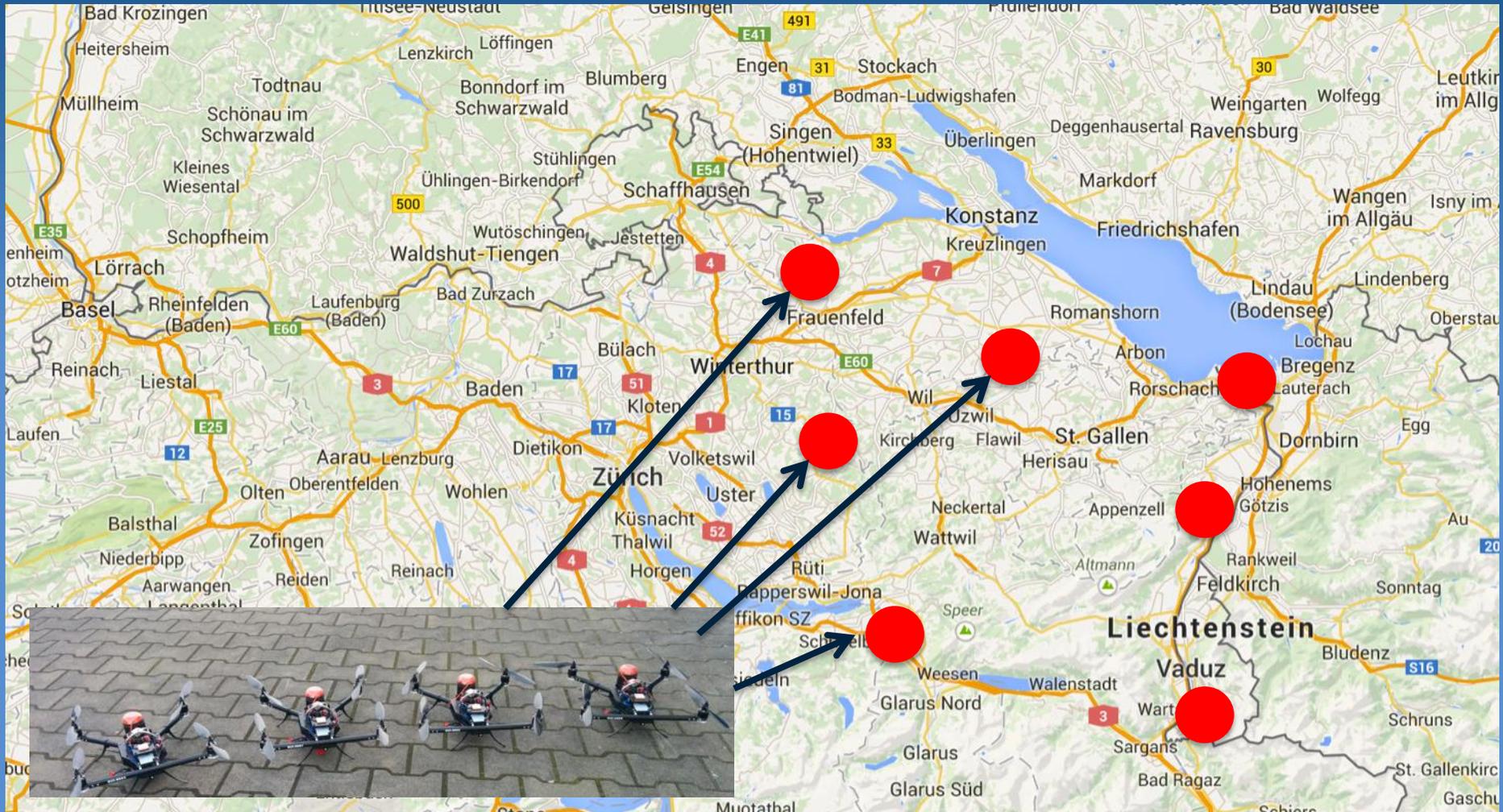
Next steps: Assimilating data into COSMO/WRF 1km



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We will perform simultaneous flights very soon:



Thank you very much!



The Meteomatics team says many thanks
to the great support of FOCA and MeteoSwiss!