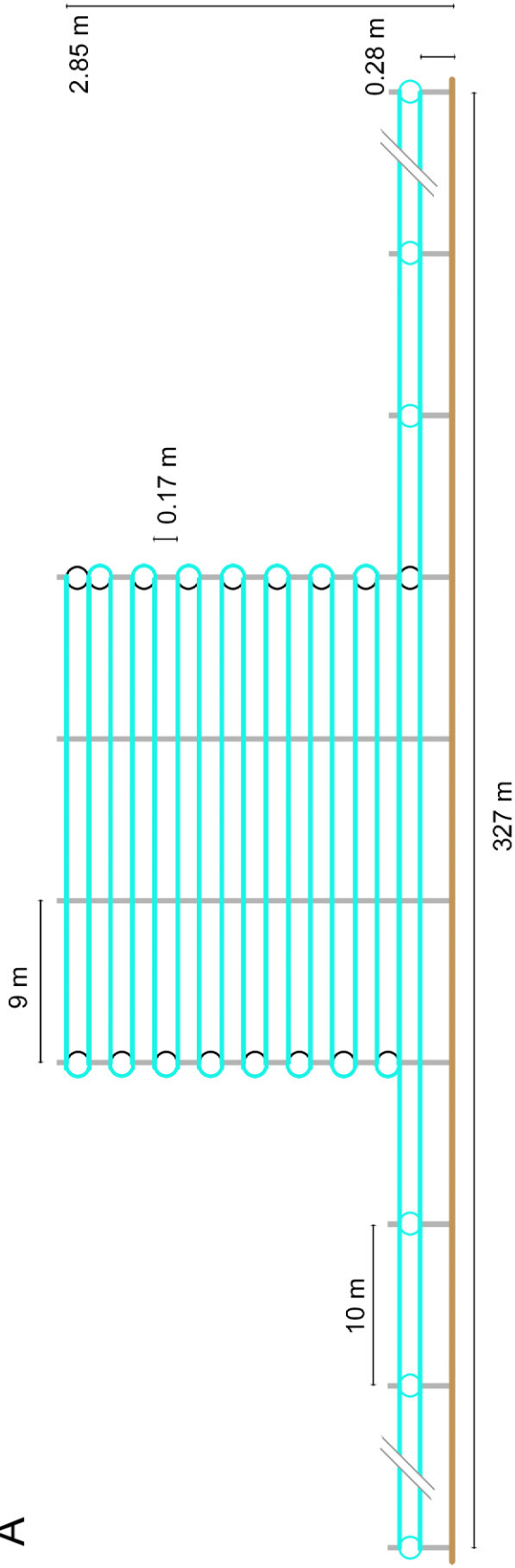


A



B



Fig. ES1. (a) Schematic of the arrangement of a single axis of the DTS (not to scale). (b) Photo of the installed dense section facing southwest. The large mast in the center supports sonic anemometers but is not used in the suspension of the DTS cable.

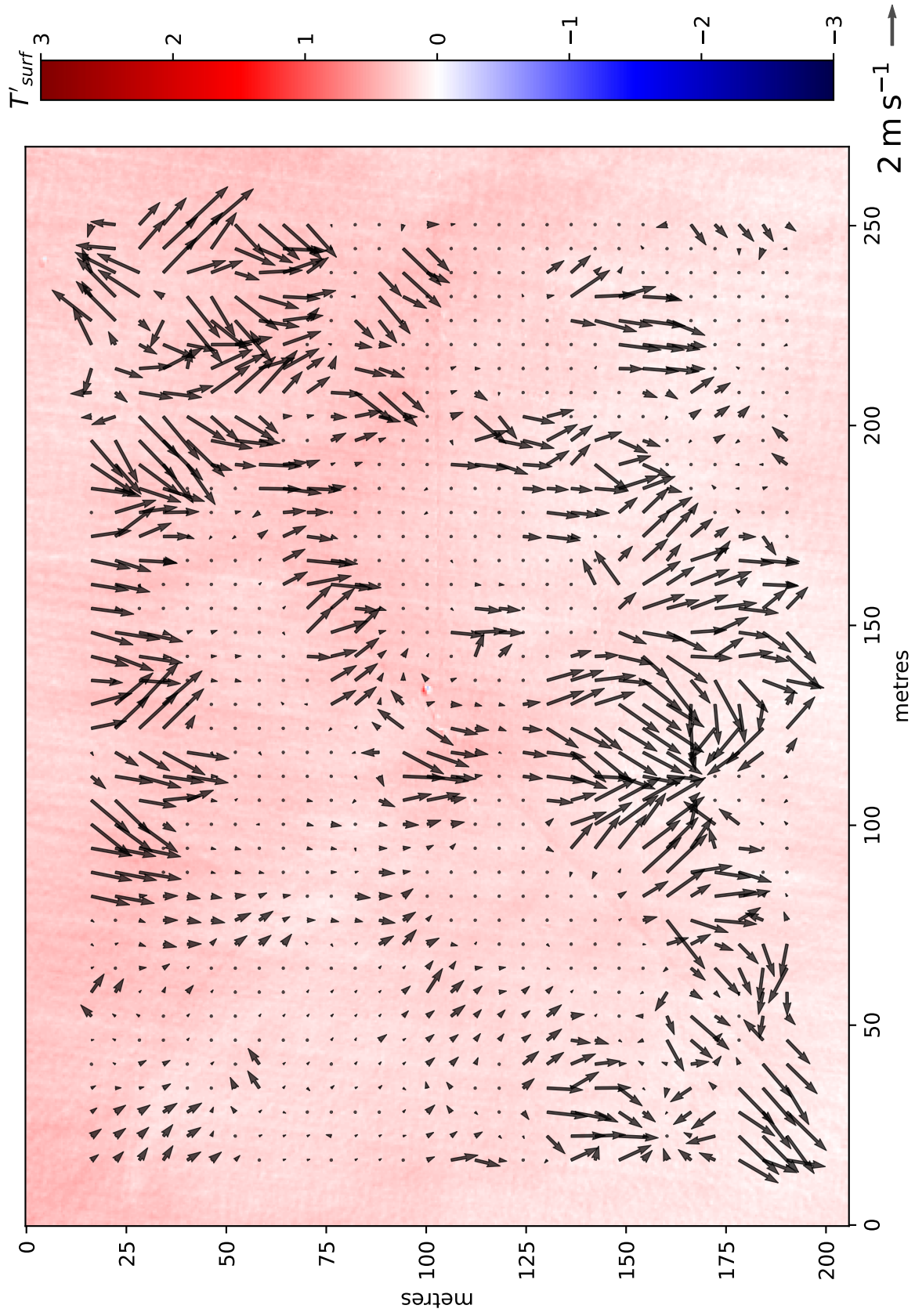


Fig. ES2. A-TIV product for one frame of the UAS-based thermography sampled at 0807:40 UTC 16 Mar. The background image shows the instantaneous temperature deviation from a spatiotemporal 60-s mean. Vectors display the movement of the respective pixel neighborhood for the iteration (384 s). The areas with no vectors shown are due to undetected movement between the calculation frames in this area. An animation of the full A-TIV product is available in the project Zenodo repository or to stream here: <https://youtu.be/0JZpbQZKYXk>.