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Supplement of

Advances in understanding mineral dust and boundary layer processes over the Sahara from Fennec aircraft observations

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Supplementary information

Dust source areas during Fennec 2011/2012 from Dust Uplift Potential for individual flights

The dust uplift potential maps in this supplement are created as described in the method section of the main manuscript. In the Figures S1-S3, the dust uplift potential is shown for each individual flight performed during the Fennec project 2011 and 2012.

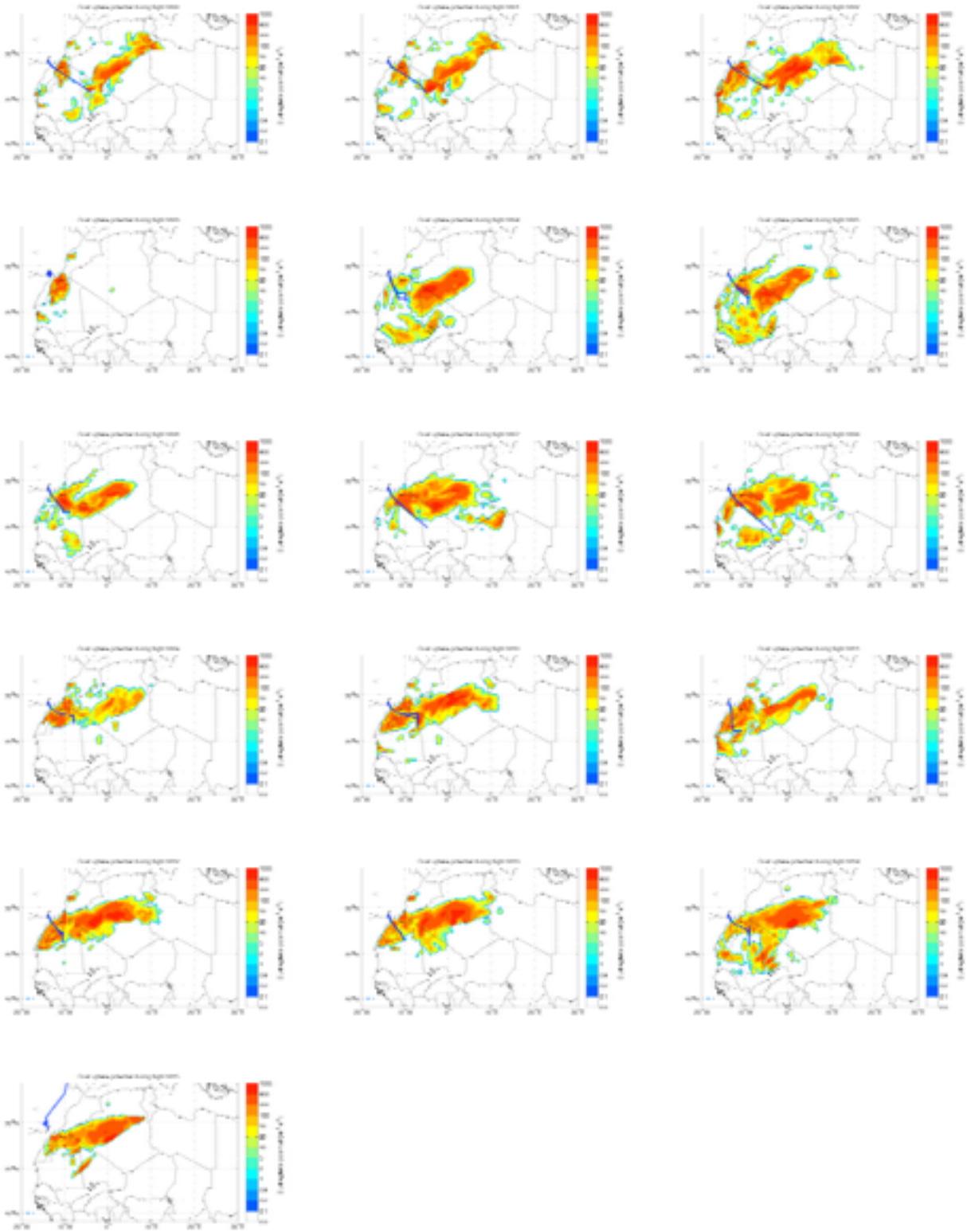

Figure S1: Mean dust uplift potential during the individual research flights for the airmass sampled by the BA146 onboard LIDAR during Fennec 2011.

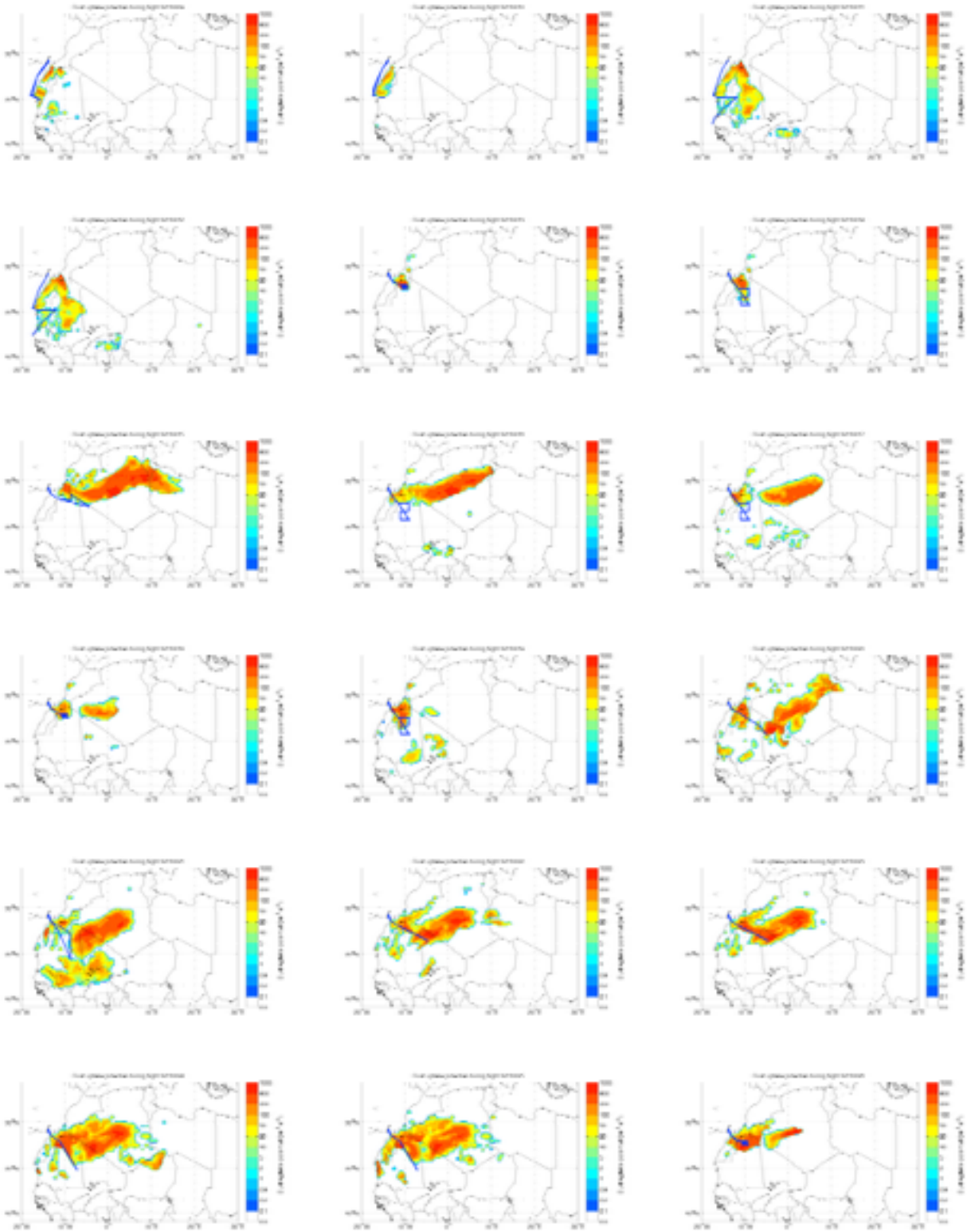

Figure S2: Mean dust uplift potential during the individual research flights for the airmass sampled by the Falcon F20 onboard LIDAR during Fennec 2011.

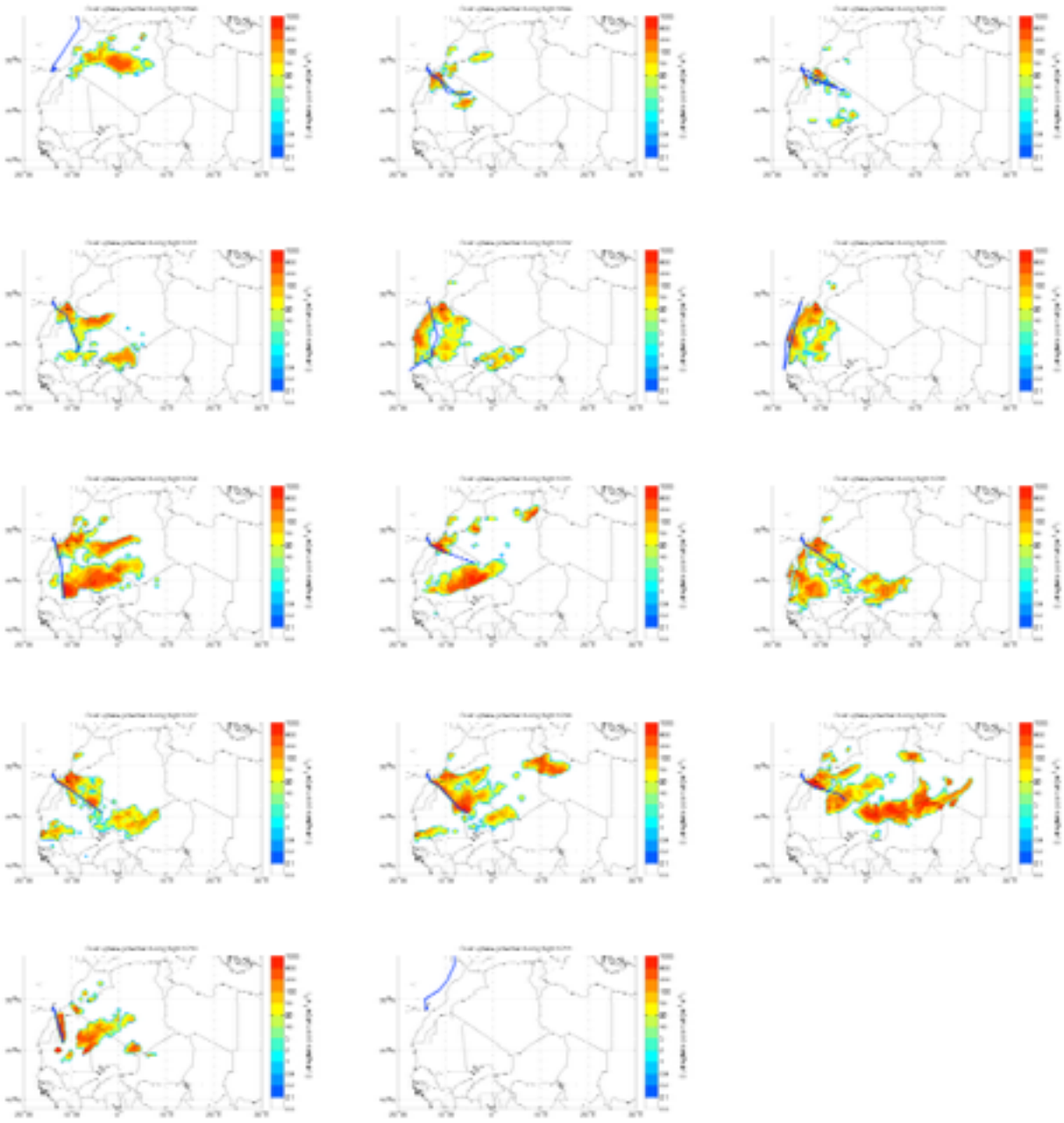

Figure S3: Mean dust uplift potential during the individual research flights for the airmass sampled by the BA146 onboard LIDAR during Fennec 2012.