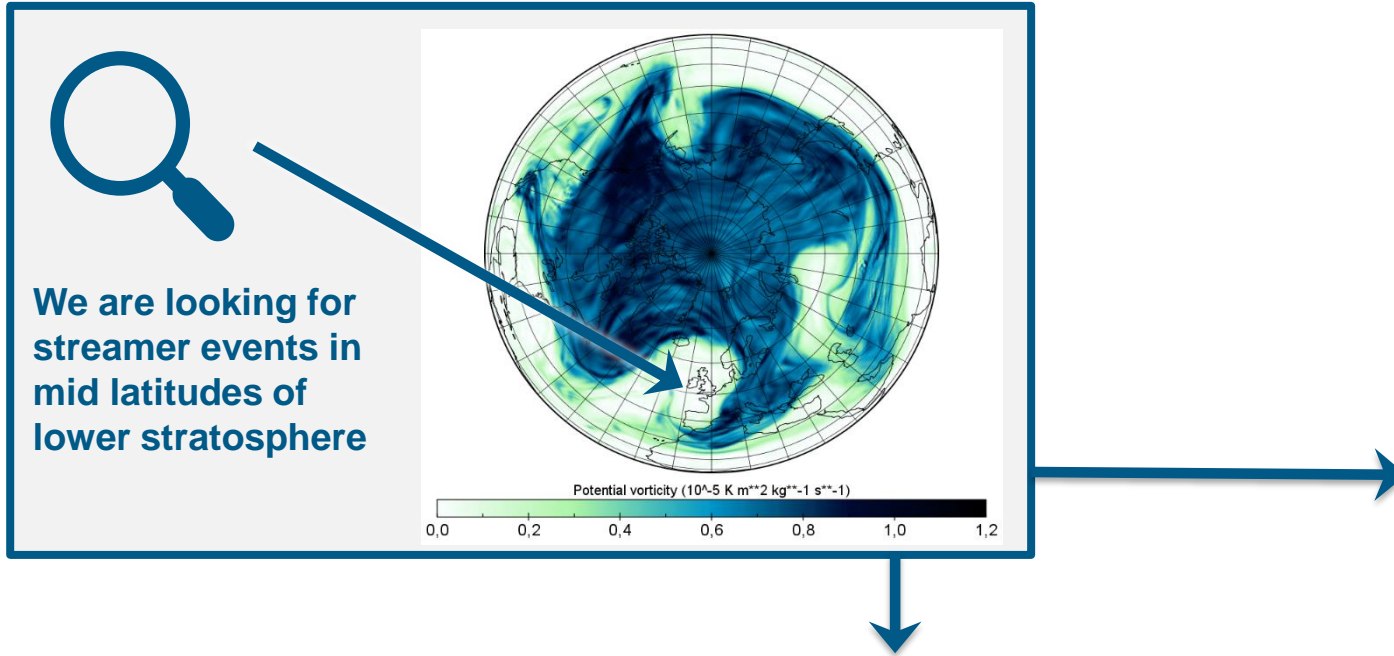


Streamer Events from Wind Measurements: Method for the Rapid Detection of the Position

*Lisa Küchelbacher*¹, *Franziska Trinkl*¹, *Michael Bittner*^{1,2}

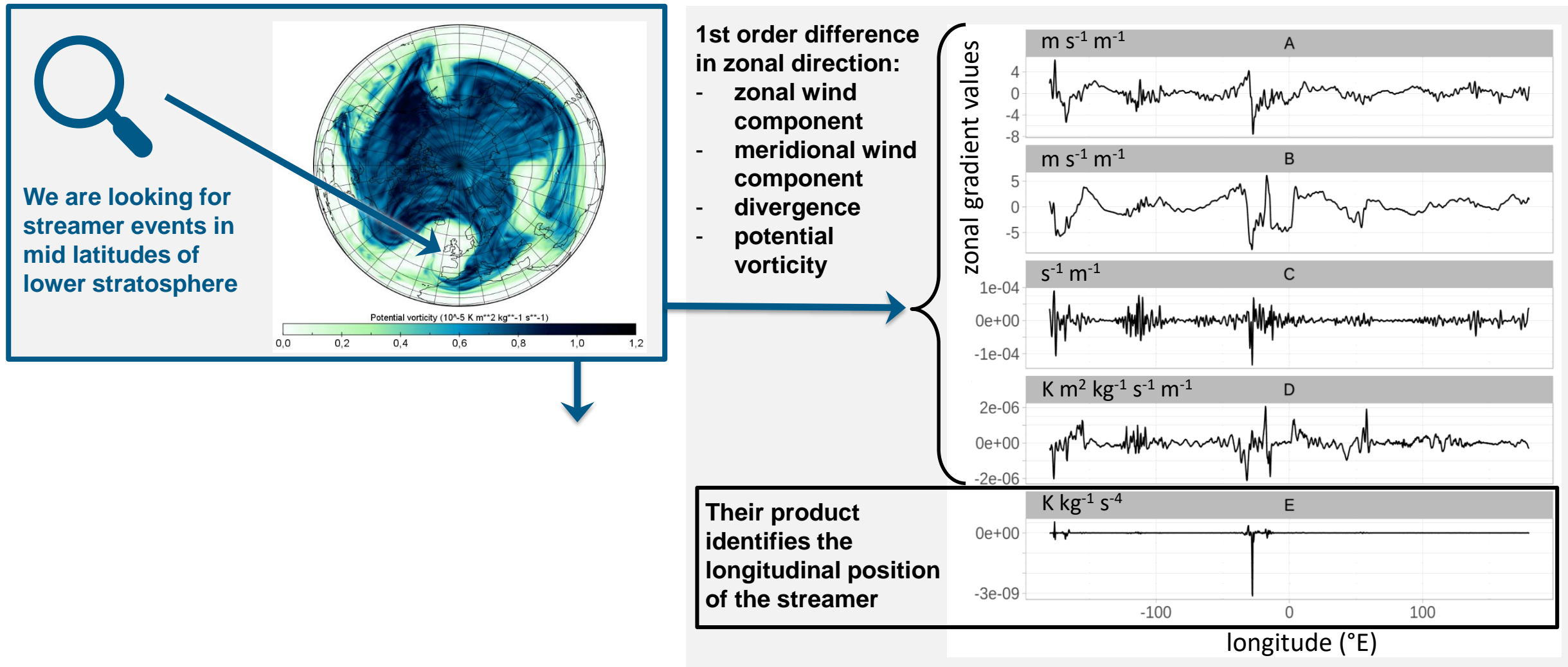
¹German Aerospace Center, DFD, Oberpfaffenhofen, ²University Augsburg, Institute of Physics



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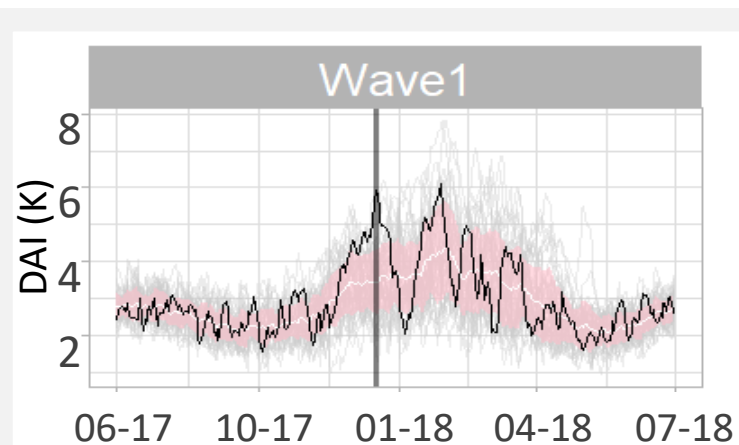
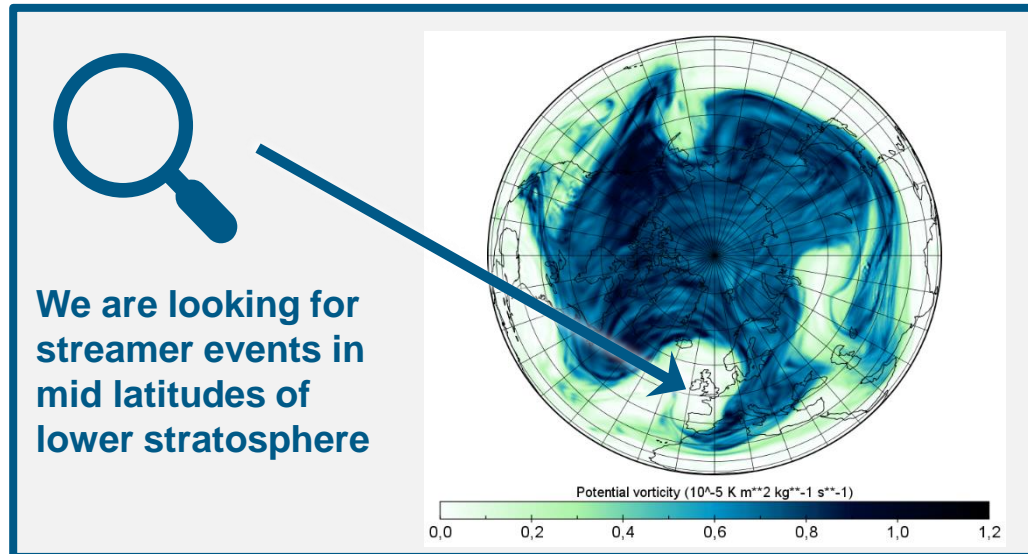
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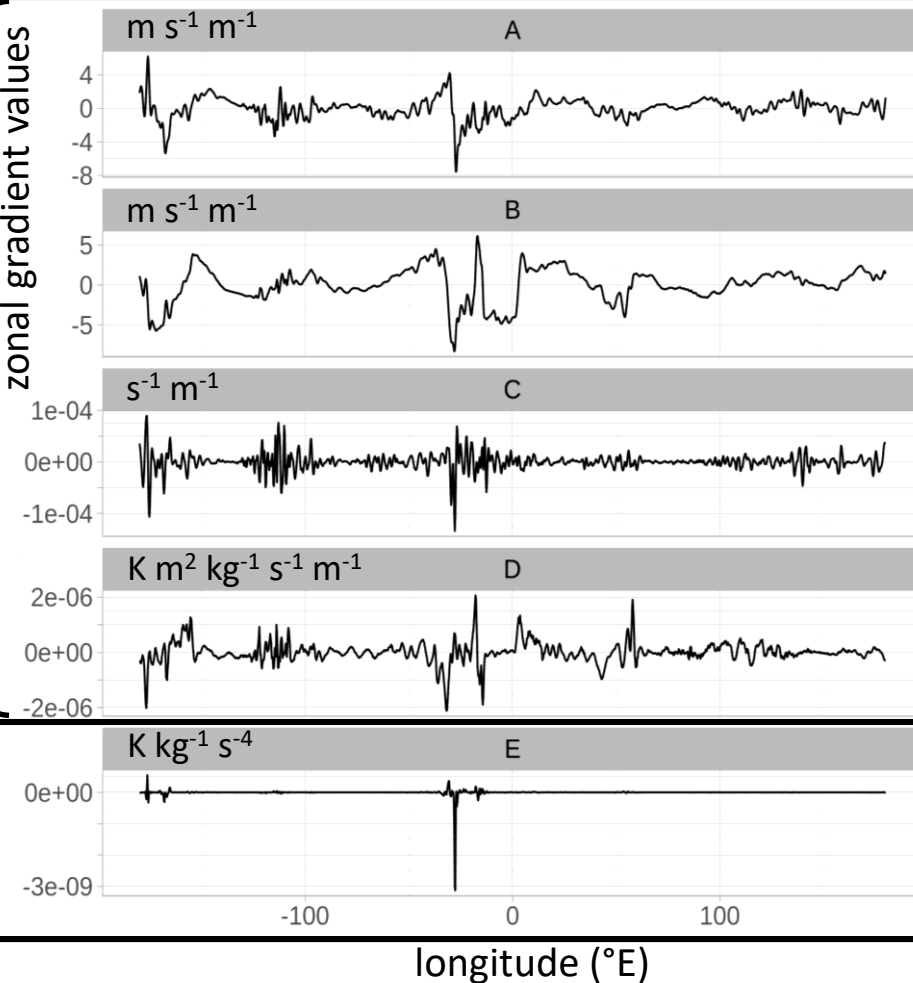


The dynamical activity index (DAI) of planetary waves is strong before it collapses at the occasion of the steamer

1st order difference in zonal direction:

- zonal wind component
- meridional wind component
- divergence
- potential vorticity

zonal gradient values



Their product identifies the longitudinal position of the steamer