



*Supplement of*

## **A new characterisation of the North Atlantic eddy-driven jet using two-dimensional moment analysis**

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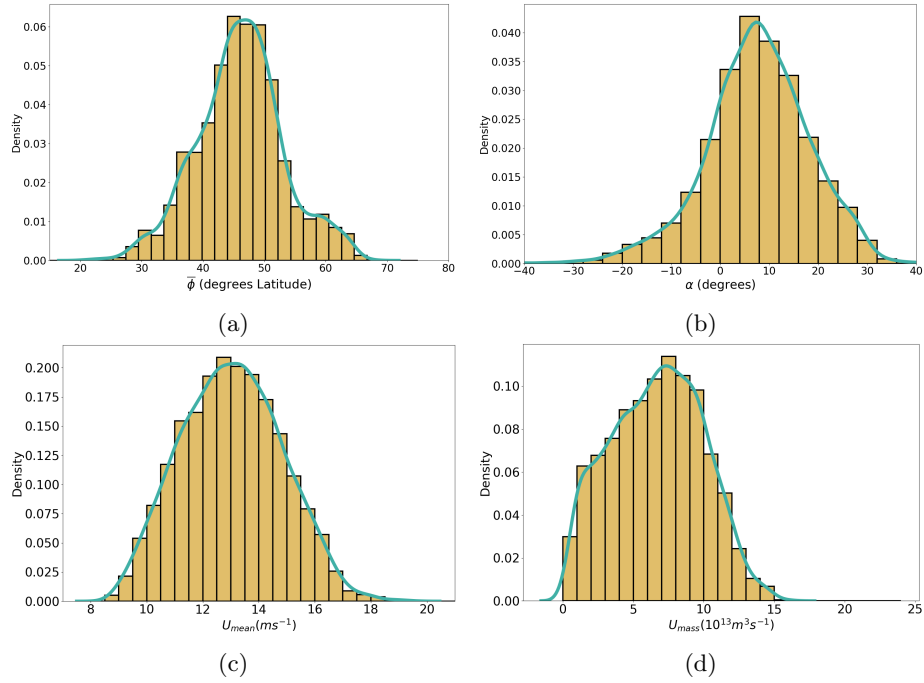
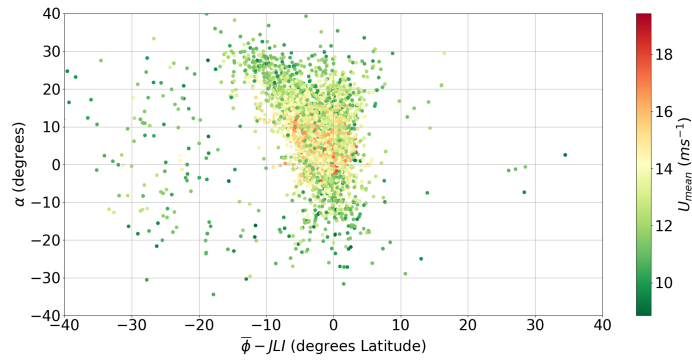
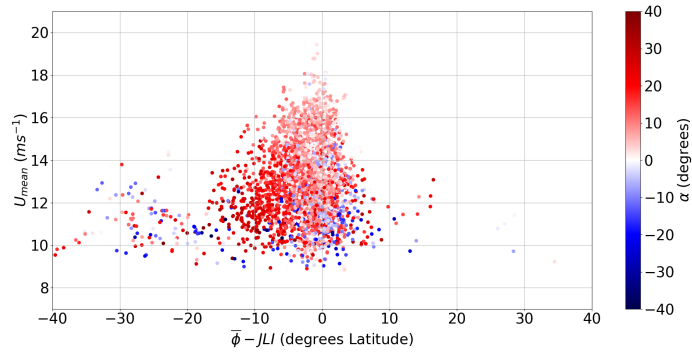


Figure S1: Distributions of (a)  $\bar{\phi}$ , (b)  $\alpha$ , (c)  $U_{\text{mean}}$  and (d)  $U_{\text{mass}}$  which includes values on multiple objects days.



(a)



(b)

Figure S2: Scatterplots of daily  $\bar{\phi} - JLI$  plotted against  $\alpha$  and coloured by  $U_{\text{mean}}$  in (a) and vice-versa in (b).