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Supplement of

Trends and annual cycles in soundings of Arctic tropospheric ozone

Bo Christiansen et al.

Correspondence to: Bo Christiansen (boc@dmi.dk)

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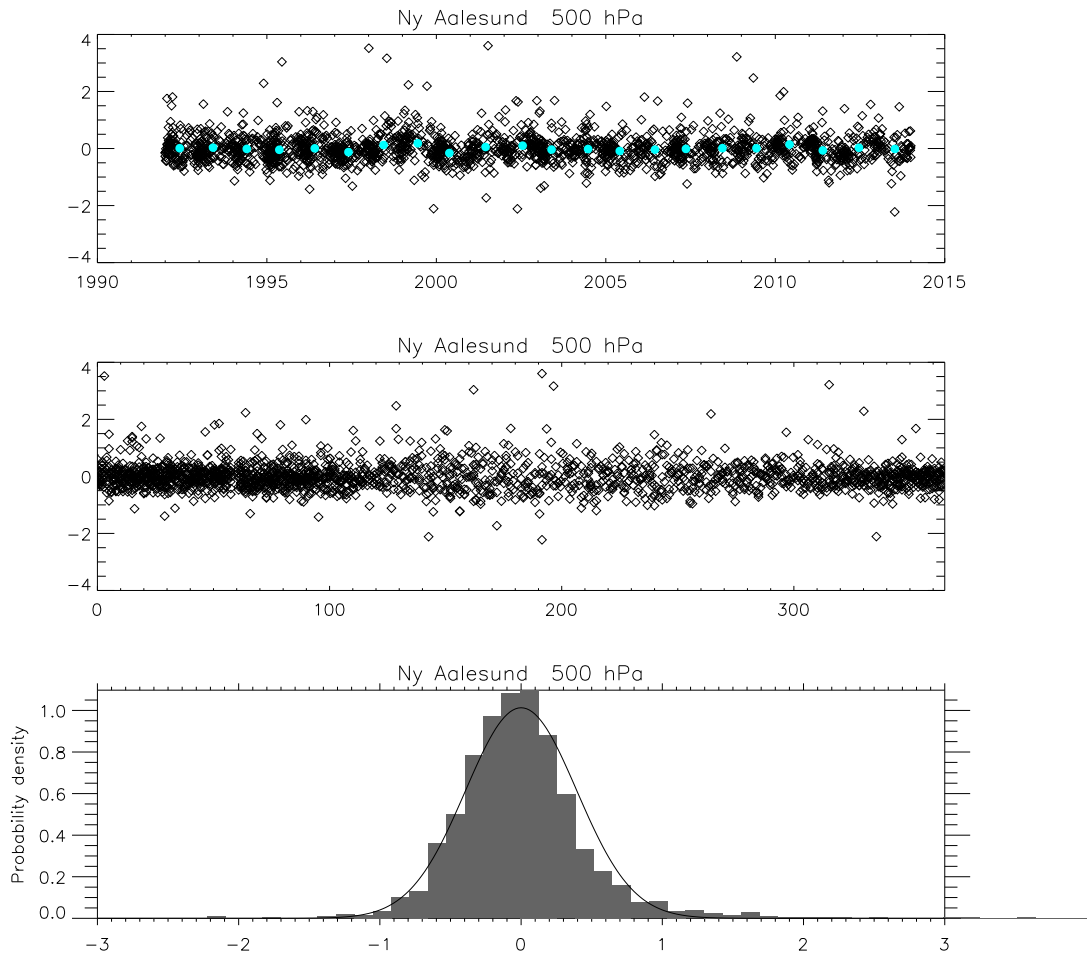


Figure S1: Residuals for Ny Aalesund at 500 hPa. Upper panel: residuals as function of time. Cyan circles are annual means. Middle panel: residuals as function of day of year. Lower panel: histogram of the residuals. Full curve is best Gaussian fit. Model settings: $n_{pol} = 4$, $n_{cyc} = 2$, $n_{tr}^a = n_{tr}^\theta = 0$ and white noise.

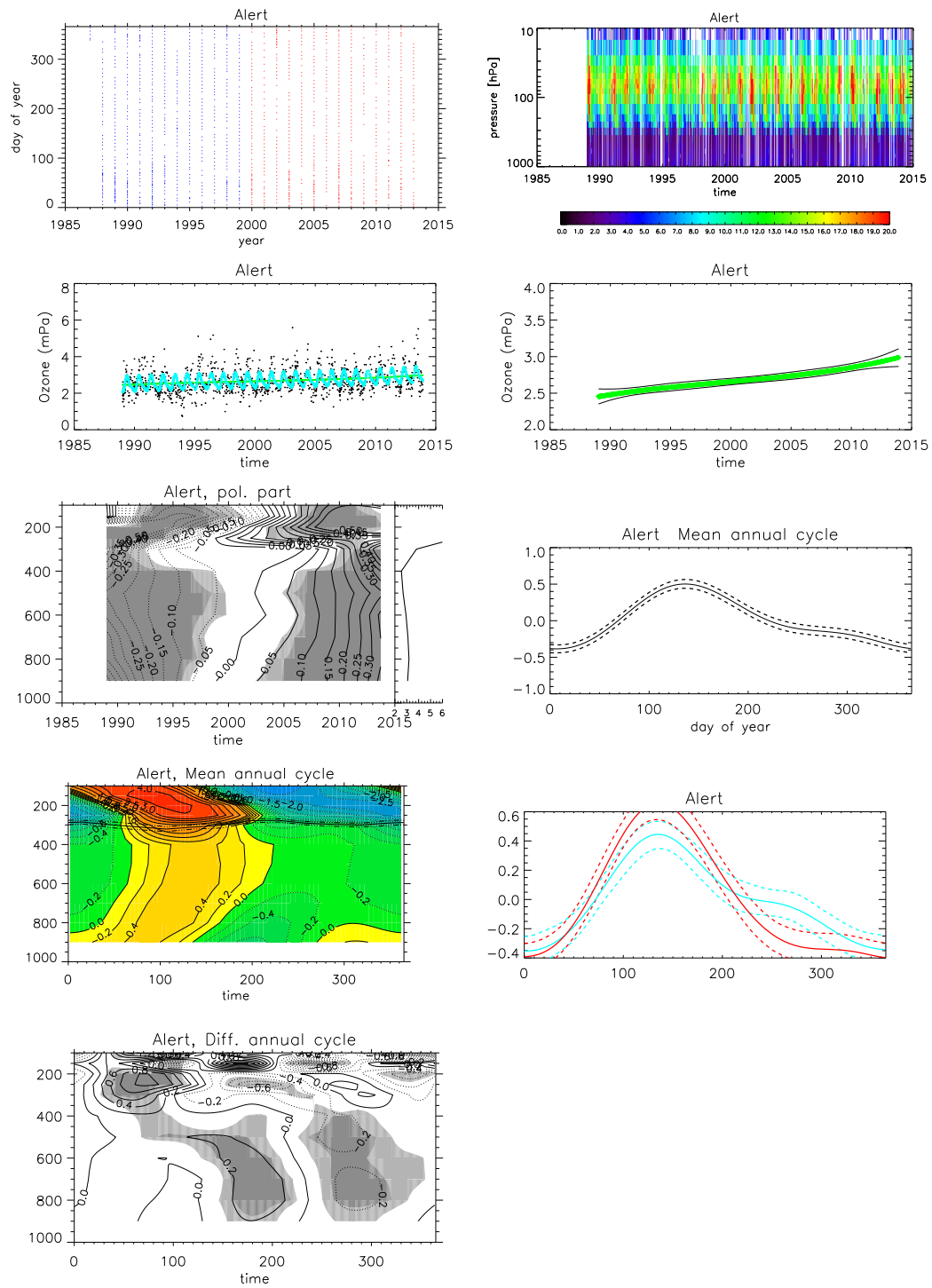


Figure S2: Results from Alert. See Figs. 2, 3, 4, 5, 7, 8, 9, 10, and 11 in the main text for descriptions.

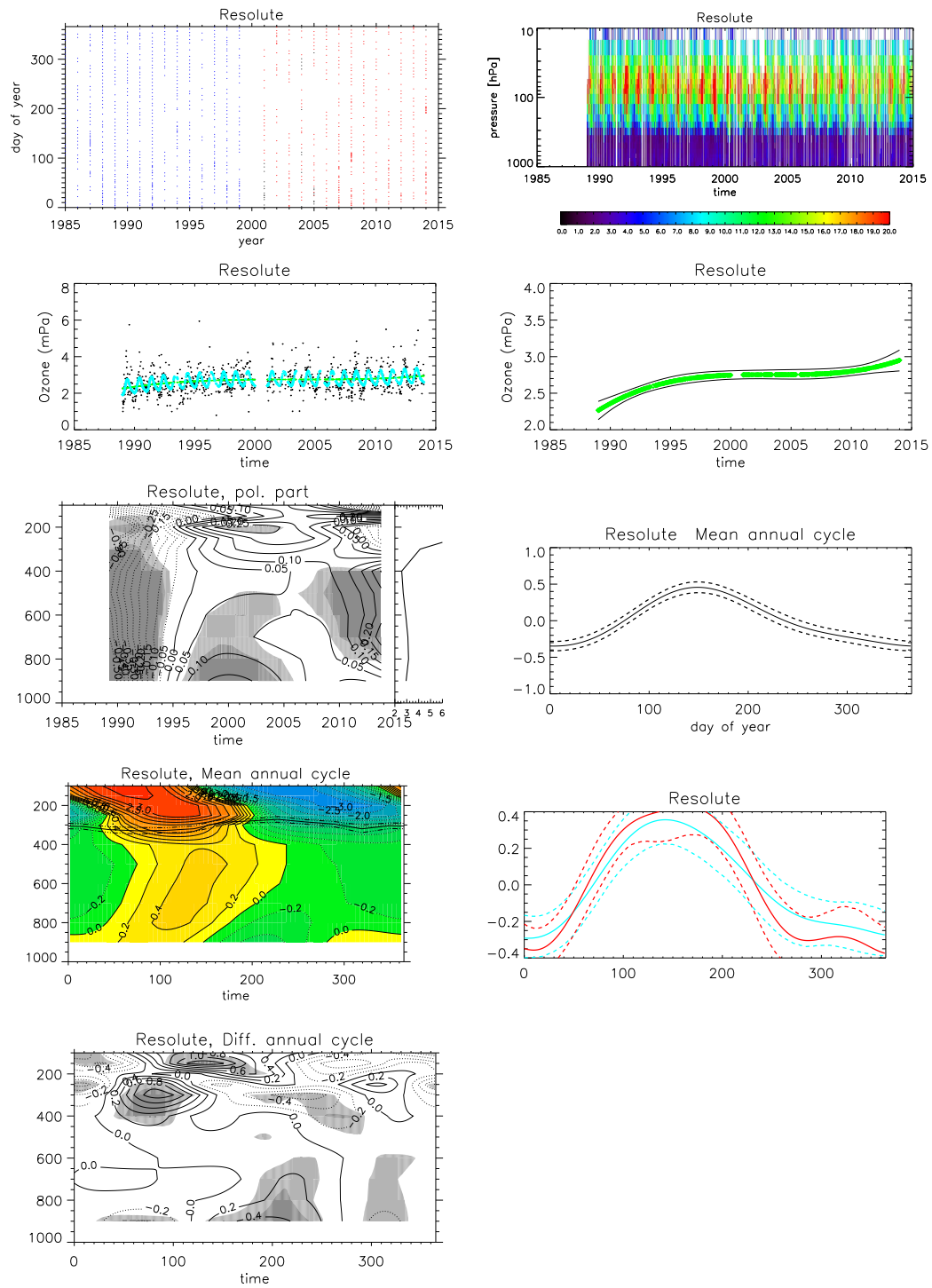


Figure S3: Results from Resolute. See Figs. 2, 3, 4, 5, 7, 8, 9, 10, and 11 in the main text for descriptions.