



*Supplement of*

## **Numerical modelling of relative contribution of planetary waves to the atmospheric circulation**

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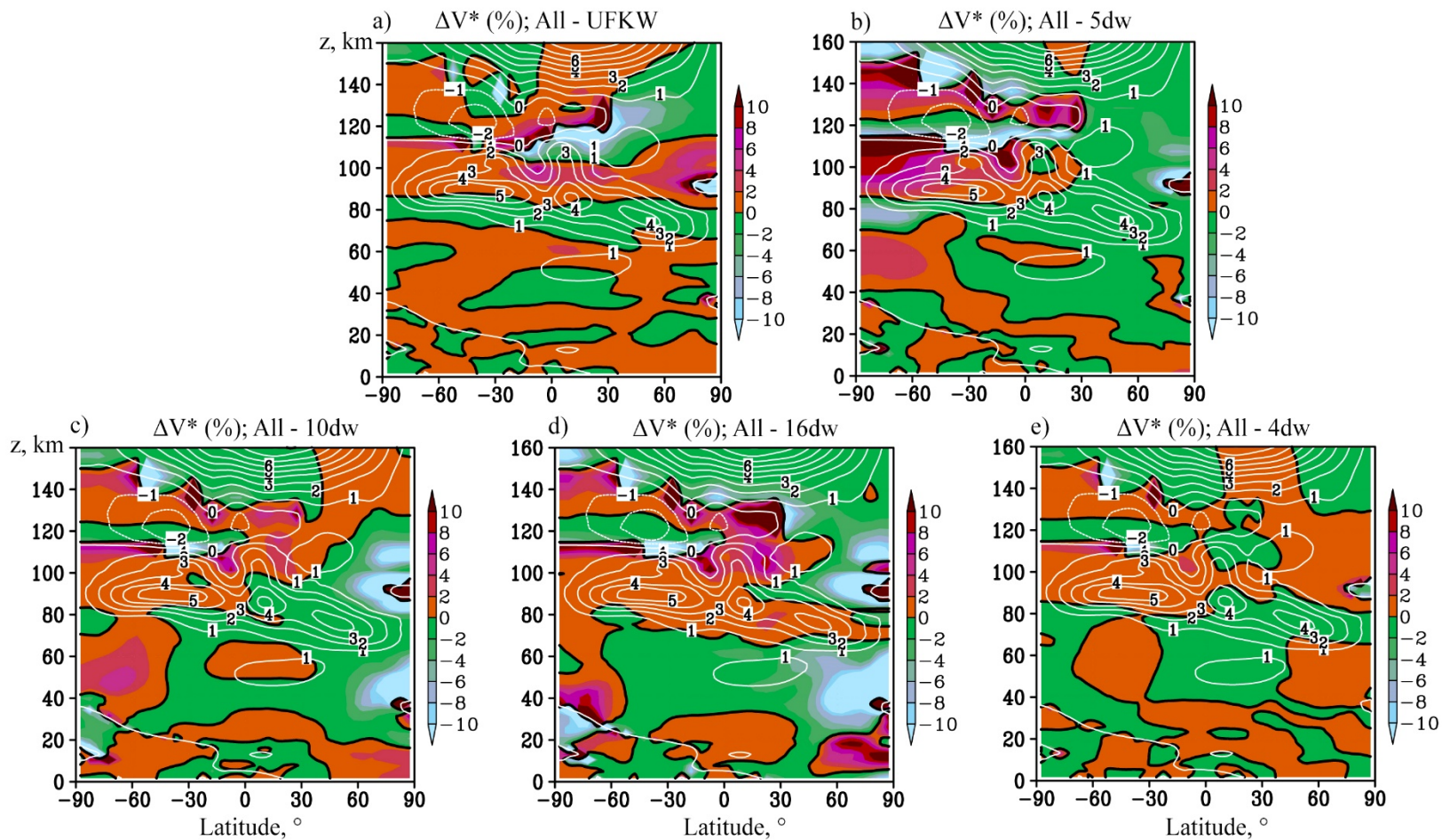
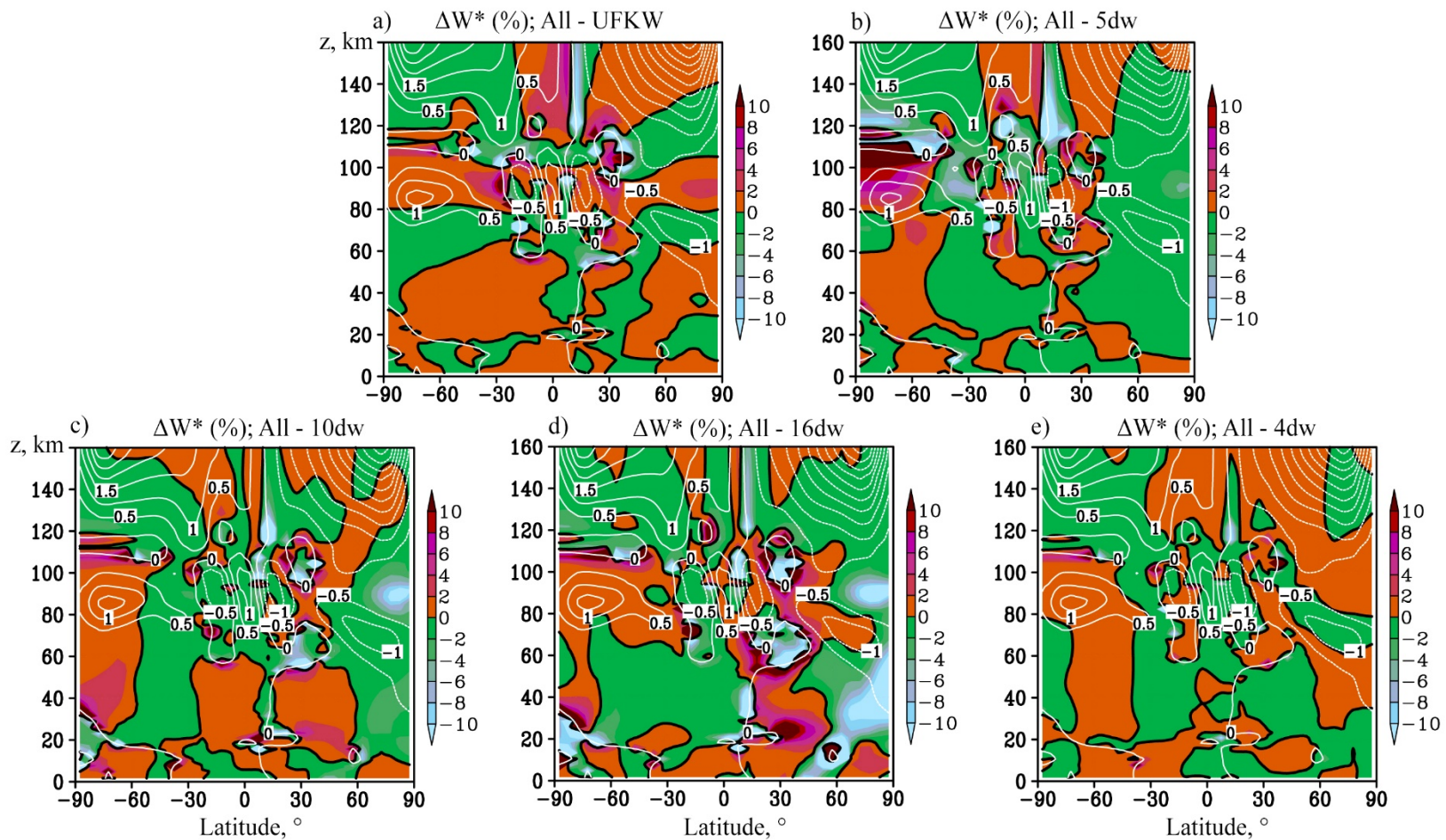
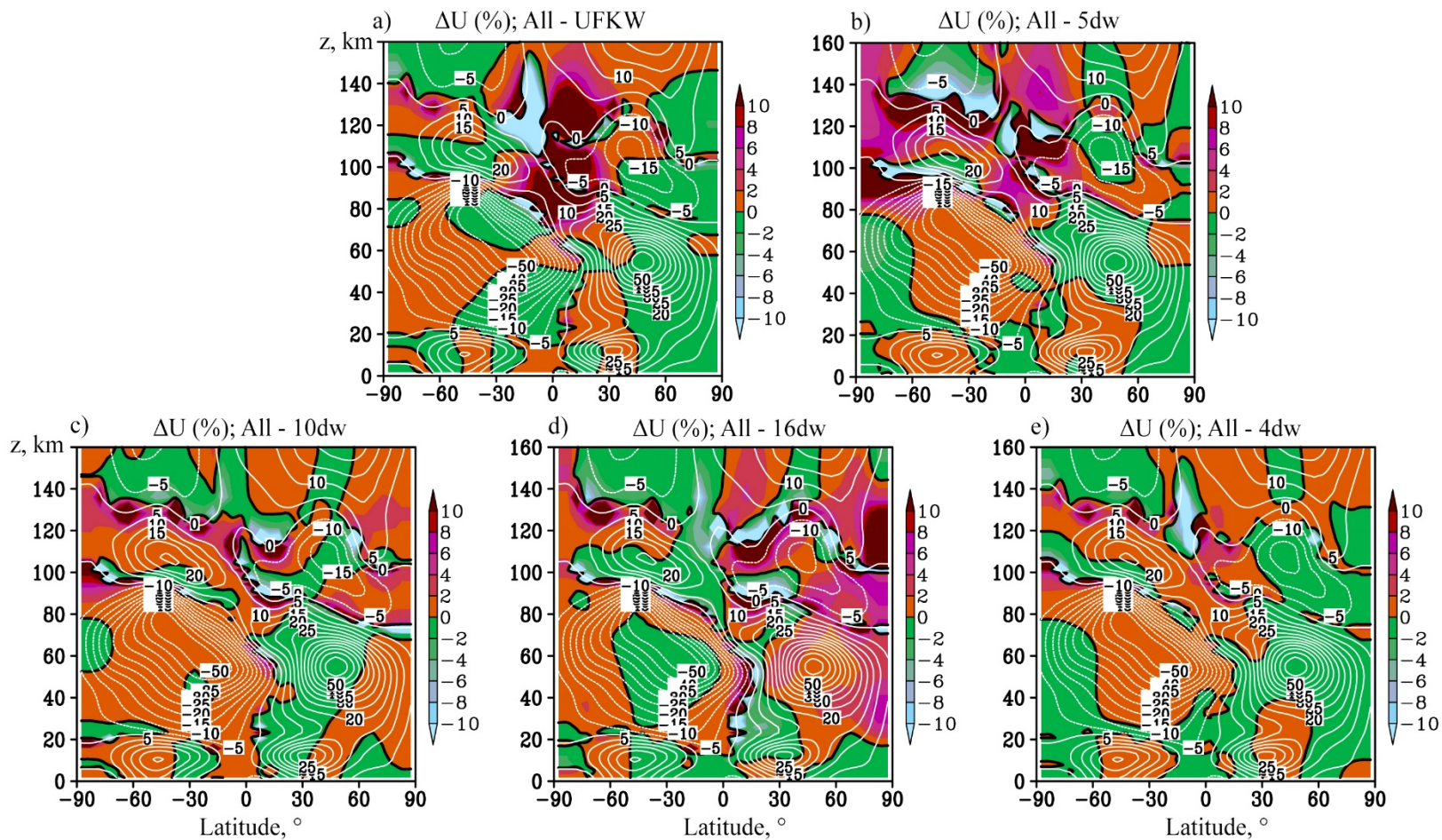


Figure S1. Relative changes in meridional RMC component ( $V^*$ , percents) due to switching off sources of PW: UFKW, 5-, 10-, 16- and 4-day waves (a-e, respectively). Contours show  $V^*$  (interval 1 m/s).



**Figure S2.** Relative changes in vertical RMC component ( $W^*$ , percents) due to switching off sources of PW: UFKW, 5-, 10-, 16- and 4-day waves (a-e, respectively). Contours show  $W^*$  (interval 0.5 cm/s).



**Figure S3. Relative changes in zonal-mean zonal wind (U, percents) due to switching off sources of PW: UFKW, 5-, 10-, 16- and 4-day waves (a-e, respectively). Contours show U (interval 5 m/s).**