

PROJECTED CHANGES IN TEMPERATURE ANOMALY PROPAGATION

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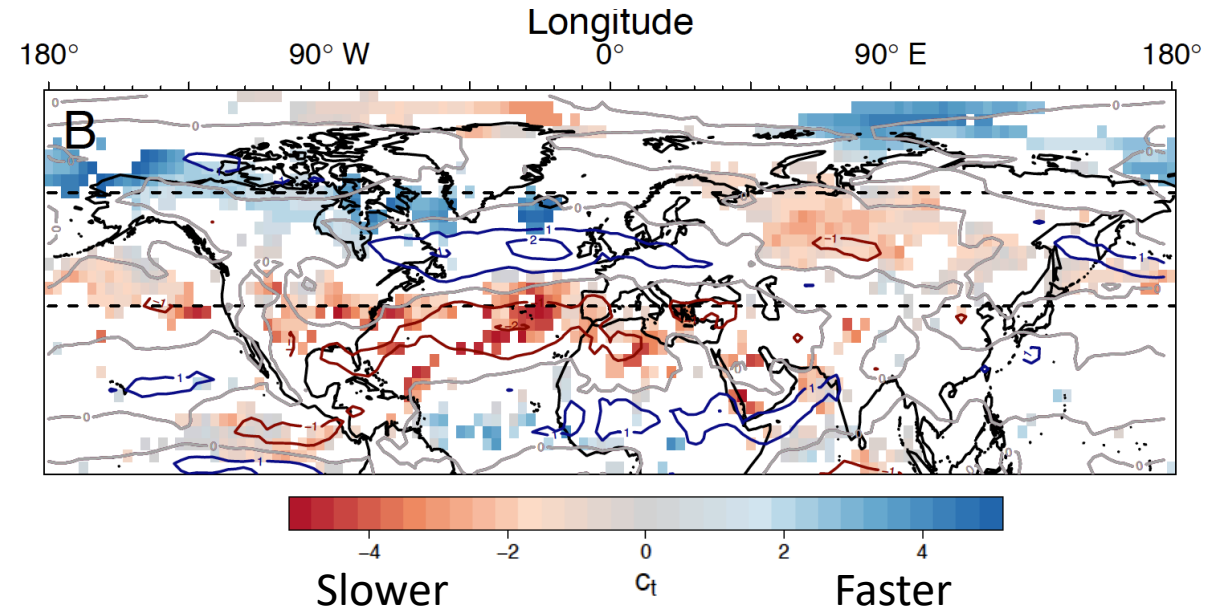
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Applying a Lagrangian tracking algorithm on temperature Anomalies to assess drivers and future changes of temperature persistence

- Based on 'TRACK' Hodges 1995, 1999
- Tracks separately positive/ negative Temp. anomalies
- Mobile features that last for more than 2 days
- Anomalies are defined as deviation from 6 hourly climatology
- Gives the tracks & statistics of intensities, phase speeds...
- For further details on algorithm see Tamarin et al. 2019



Changes in T-anomaly propagation (historical – rcp8.5). Temperatures are projected to become more persistent in Northern Hemisphere Midlatitudes in Summer. Only grid points with 70% model agreement are shown.