



## Supplement of

## Non-linear intensification of monsoon low-pressure systems by the BSISO

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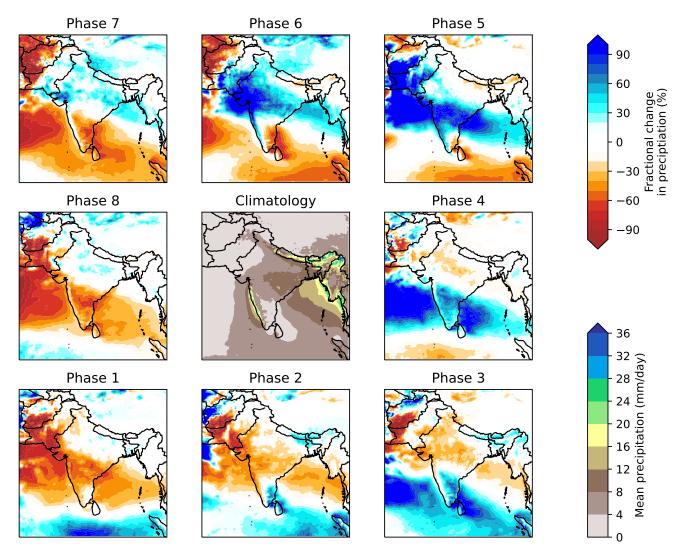
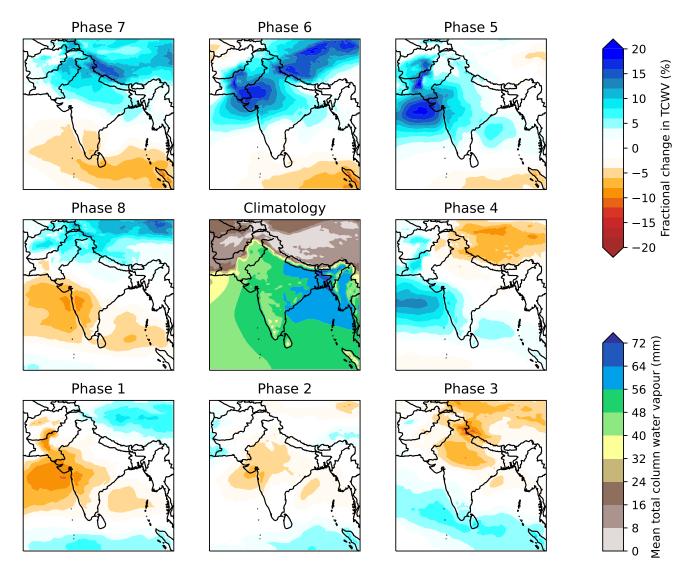


Figure S1: The effect of the BSISO on monsoon precipitation over South Asia. The central panel gives the climatological June to September values. Panels around the edge show the fractional change for each phase of the BSISO, measured against the climatology.



**Figure S2:** The effect of the BSISO on total column water vapour during the summer monsoon over South Asia. The central panel gives the climatological June to September values. Panels around the edge show the fractional change for each phase of the BSISO, measured against the climatology.

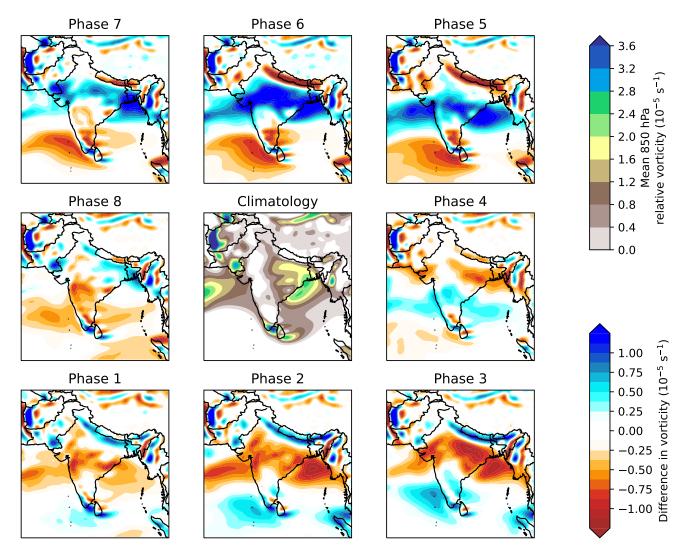


Figure S3: The effect of the BSISO on 850 hPa relative vorticity during the summer monsoon over South Asia. The central panel gives the climatological June to September values. Panels around the edge show the absolute change for each phase of the BSISO, measured against the climatology.