

**Electronic Supplementary Material to:
The Roles of Low-level Jets in “21·7” Henan Extremely
Persistent Heavy Rainfall Event***

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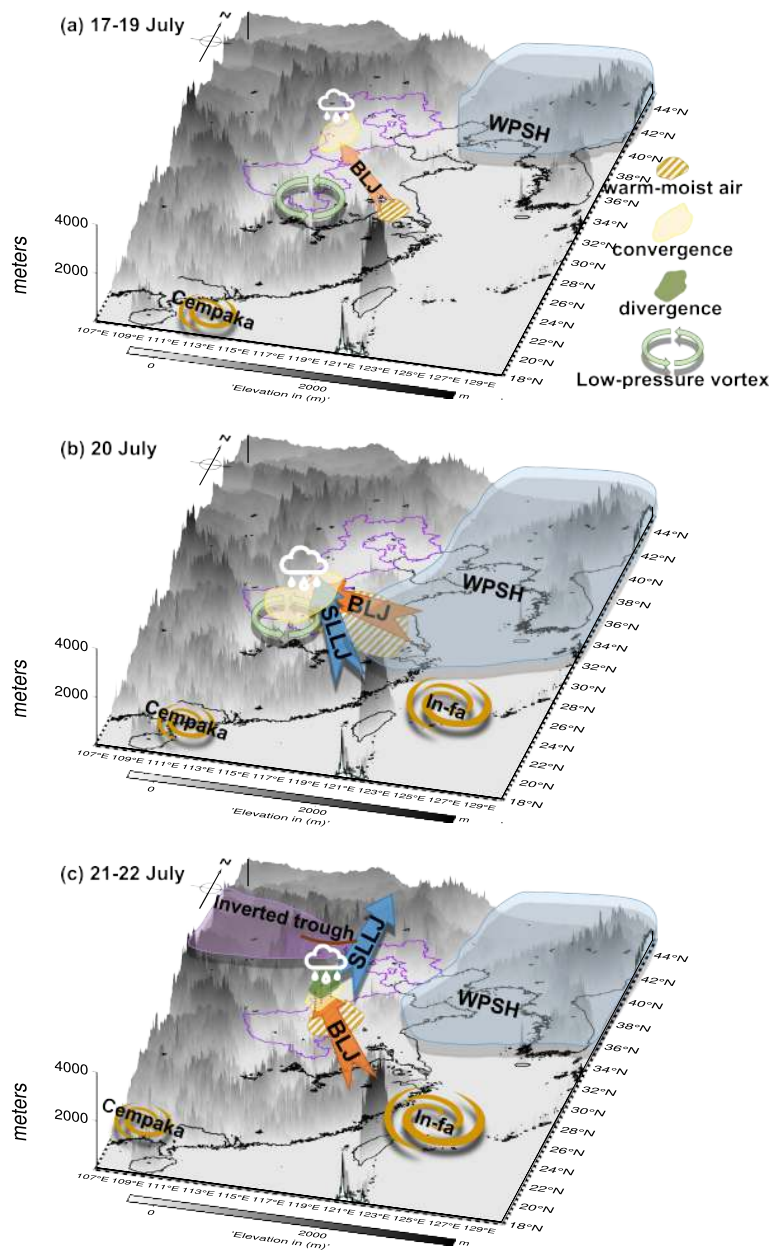


Fig. S1. Conceptual diagram of the persistent rainfall processes associated with BLJs and SLLJs in “21-7” rainfall event. (a) On 17–19 July, the southeasterly BLJ impinged the terrain and triggered convergence at the exit region of the BLJ to start the rainfall process. (b) On 20 July, the BLJ was intensified and turned to easterly, resulting in a southward movement of precipitation. The SLLJ was driven by the high pressure gradient between the WPSH and the low-pressure vortex. The low- and mid-level convergence occur at the exit region of the BLJ and the left region of the SLLJ. (c) On 21–22 July, the SLLJ moved northward with the inverted trough and produced divergence at the entrance region in the mid-level, which was coupled with the convergence at the exit region of the BLJ and thus maintained the northward shifting rainfall.