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A tracked field study of thermal adaptation during a short-term migration between cold and hot-summer and warm-winter areas of China

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ACCEPTED MANUSCRIPT

1	A tracked field study of thermal adaptation during a short-term
2	migration between cold and hot-summer and warm-winter areas of
3	China
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9	
10	Abstract:
11	The thermal adaptation of migrants is a continuous dynamic process which involves
12	the adaptation of migrants to new thermal environment with their natural heat
13	acclimation in original residence; however, this process has rarely been systematically
14	investigated. This study explored whether the thermal comfort of migrants was
15	significantly different from that of the local people during a short-term migration.
16	Furthermore, whether the evolution of migrants' acclimation was developmental or
17	reversible was also discussed. The survey was conducted in summer and included an
18	adaptive investigation in Qionghai for eight days and a de-adaptation research in
19	Xi'an for four days. Seven migrants who grew up in the northern China without any
20	experiences of the southern lifestyle were recruited in a tracking field survey. The

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