



Figure S2.

17 July 12 UTC **(a)** - Convective amiable potential energy (CAPE), **(b)** - surface temperature

20 July 12 UTC **(c)** - PV- θ , **(d)** - geopotential height at 500 hPa, **(e)** - total column water, **(f)** - wind at 10 m.