

Movie Captions

- Movie 1: Movie of the phase-averaged PIV velocity maps measured in the central vertical plane of the convection cell ($d_{//} = 0$ plane) at $Ra = 6.06 \times 10^8$. The magnitude of the velocity $\sqrt{U^2 + W^2}$ is coded in both colour and the length of the arrows (units of cm/s).
- Movie 2: Movie of the phase-averaged PIV velocity maps measured in the $d_{//} = 0.5r$ plane at $Ra = 6.06 \times 10^8$. The magnitude of the velocity $\sqrt{U^2 + W^2}$ is coded in both colour and the length of the arrows (units of cm/s).
- Movie 3: Movie of the phase-averaged PIV velocity maps measured in the $d_{//} = 0.95r$ plane at $Ra = 6.06 \times 10^8$. The magnitude of the velocity $\sqrt{U^2 + W^2}$ is coded in both colour and the length of the arrows (units of cm/s).