

# Movie Captions

- Movie 1 The fluctuating vector field of the atmospheric flow (left), and the snow particle trajectories around the prograde vortex (average swirling strength of  $0.63 \text{ s}^{-1}$ ) in the flow field colored by their vertical velocity (right).
- Movie 2 The fluctuating vector field of the atmospheric flow (left), and the snow particle trajectories around the retrograde vortex (average swirling strength of  $0.67 \text{ s}^{-1}$ ) in the flow field colored by their vertical velocity (right).