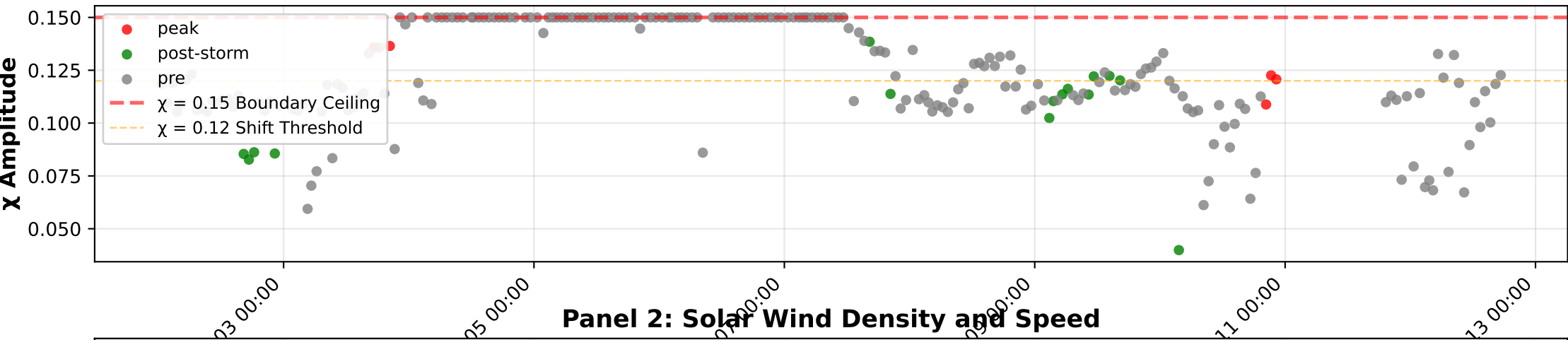
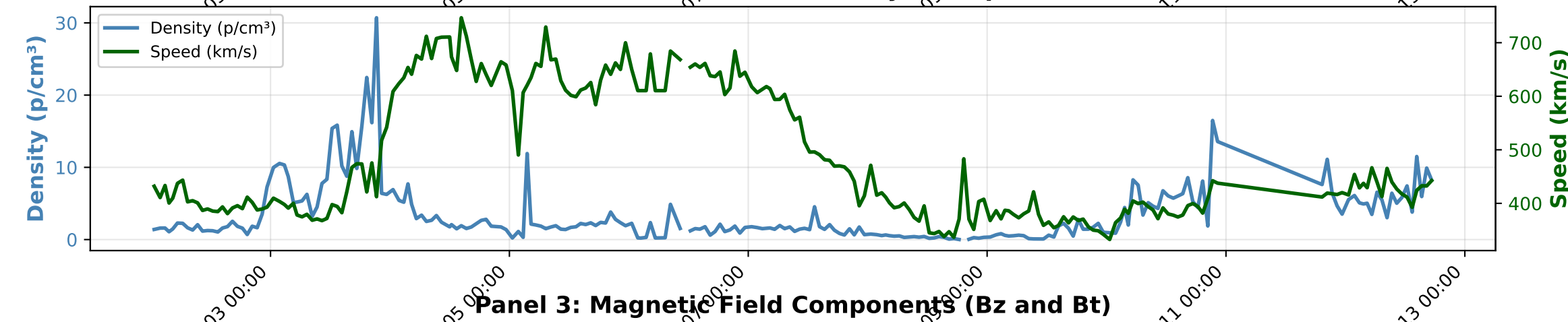


**Direct Observation of  $\chi = 0.15$  Boundary Ceiling**  
**December 2025 CME Cluster — Automated LUFT Confirmation**

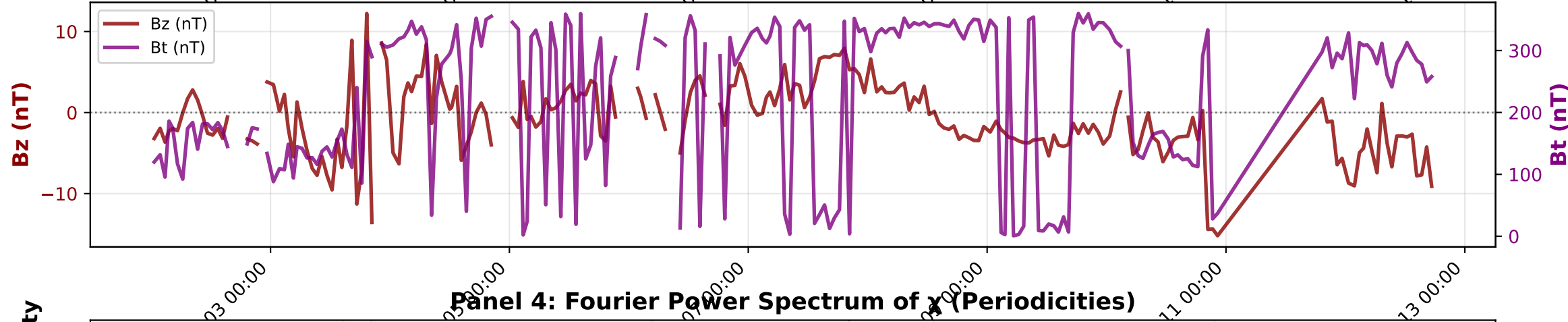
**Panel 1:  $\chi$  Amplitude vs Time (December 2025 CME Cluster)**



**Panel 2: Solar Wind Density and Speed**



**Panel 3: Magnetic Field Components (Bz and Bt)**



**Panel 4: Fourier Power Spectrum of  $\chi$  (Periodicities)**

