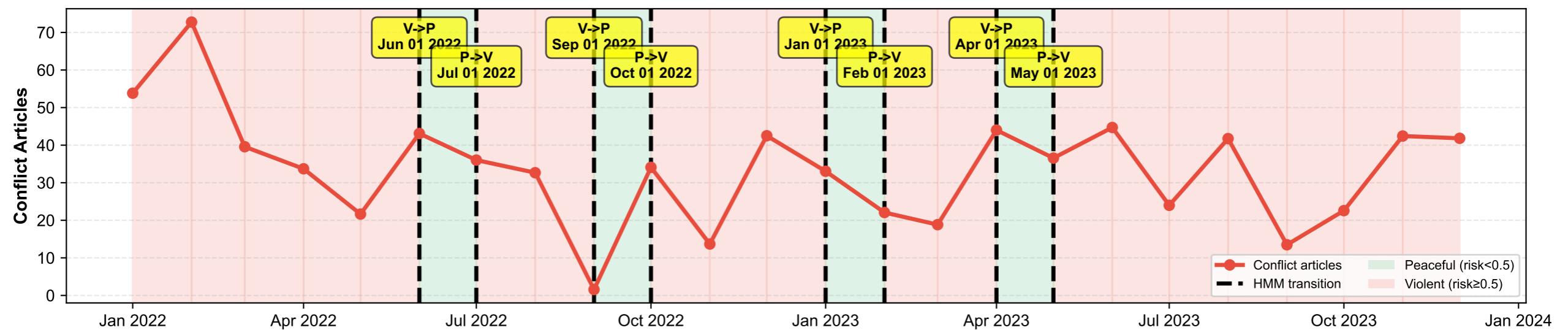
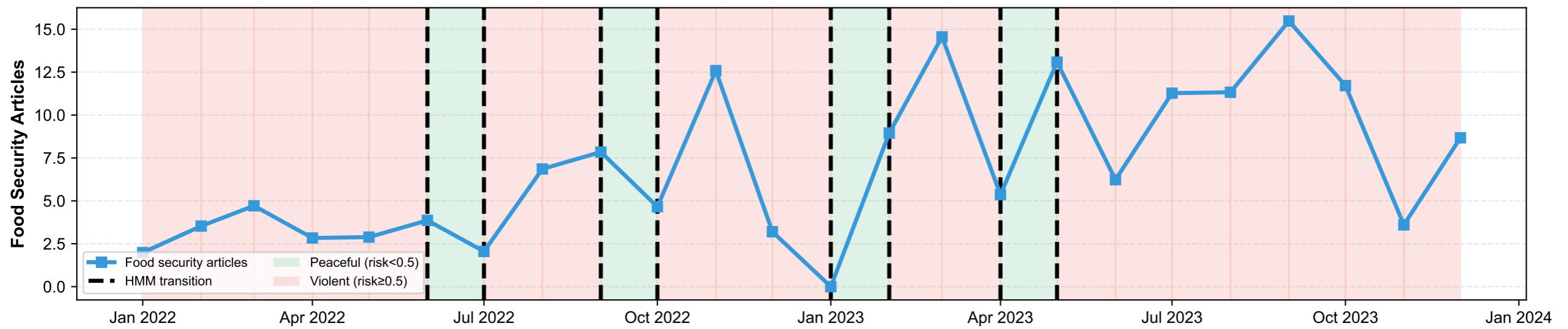


HMM Regime Detection with State Interpretation: Sudan Eastern Pastoral

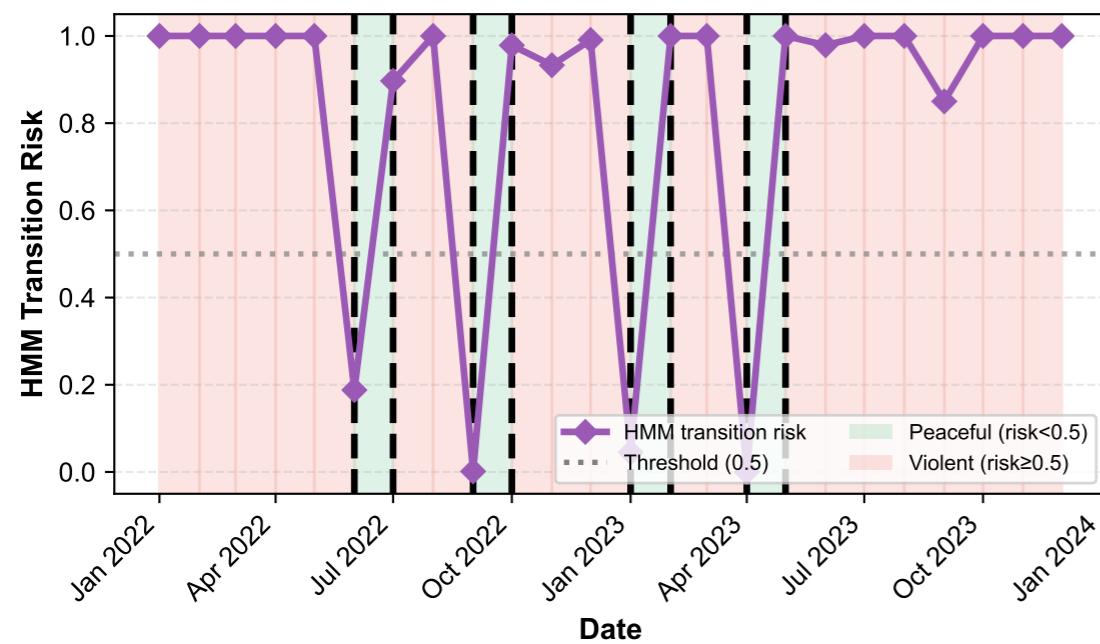
Panel A: Conflict News Coverage with HMM Regime Detection



Panel B: Food Security News Coverage



Panel C: HMM-Detected Regime Transition Risk



STATE INTERPRETATION

PEACEFUL (Green): 4/24 months
Risk < 0.5
Stay: 0%
→ Violent: 100%

VIOLENT (Red): 20/24 months
Risk ≥ 0.5
Stay: 79%
→ Peaceful: 21%

OBSERVATIONS
83% violent regime
Persistent conflict
Sudan civil war 2022-23