Fig. 8 The hidden state distributions for all the three plane targets with $128 \times 135$ training data, generated via a run of the MTL TSB-HMM with spectrogram feature. In this example, the state truncation level of $I = 60$ is employed for each plane. For each plane, 60 hidden states are shared across all aspect-frames, and 46, 48 and 49 meaningful states are inferred for Yark-42, Cessna Citation S/II and An-26 respectively.

Fig. 9 Two HRRP samples of simulated scattering data of truck targets.