



Figure 14. Schematic of proposed multiple aircraft mission flight tracks. a) Vertical view of flight track pattern showing DC-8 (orange), Citation (pink) and Convair-580 (blue) flight track legs. The altitude steps shown are for illustration. In practice, the altitude steps would depend on the depth of the cloud with shorter steps for shallower clouds. Similarly, the flight track leg length would vary depending on the horizontal dimension of the precipitating region. Gray shaded regions indicate "no fly" zones (see Figure 12). b) Horizontal view of flight track pattern with DC-8 flying a 'bow-tie' pattern and Citation and Convair flying straight line tracks. Citation and Convair would employ 90-270 turns at the end of each leg. c) Horizontal view of flight track pattern with DC-8 flying straight line tracks with 90-270 turns. Citation and Convair flight tracks are the same as shown in b).