What does a collision leave in its wake?

(Note: This is orbit regime-agnostic – the same principles apply)
Can’t afford a single collision in any orbit regime!

- Consider two hypothetical collision cases

Debris from any collisions above 800 km will remain for hundreds of years

Collision of low-thrust ascent GTO w/high LEO

GEO Collision (15° planar separation)
1D, 2D and 3D Spatial Density Depictions

• Post-collision debris somewhat visible in 1D portrayal; dramatic congestion in 2D & even more in 3D