

PSSC2 Deorbit Statement (0246-EX-ST-2011)

The estimated lifetime of PSSC2 is 4-8 months depending on atmospheric conditions and the final mass of the satellite. See the figure below (note that the atmosphere is not the 5% condition shown in the blue lines but rather the 50% condition is currently worst case). The PSSC2 nanosatellite weighs between 3.5 and 4.5 kg. The largest components are the body of the satellite (923 grams) and the two end caps (215 and 253 grams). They are all 6061-T6. All other components weigh less than 100 grams. There are no high melting point materials that might survive re-entry. We do not expect anything to survive re-entry.

