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To: Doug Young
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Subject: Request for Info - File # 0943-EX-ST-2021

Message:

We have actually stated 2 possible values for the cross-sectional area of the spacecraft: either the minimum (0.01m^2) or the maximum value (0.15m^2).

The former one is when the solar panels are undeployed and the latter one is when they are deployed.

We provided both figures so both scenarios are captured in the report. But, since the spacecraft has been successfully launched and the solar panels have been successfully deployed, we only retained the 0.15m^2 value.

As you've seen in Requirement 4.6-4, the cross-sectional area in a tumbling spacecraft scenario is 0.09m^2 . But, again, as the panels have been successfully deployed, it will not possible be over the whole lifetime of the satellite to see the cross-sectional area reach values as low as 0.01m^2 .

So given the successful solar panel deployment, the actual range of cross-sectional area is 0.09m^2 and 0.15m^2 .

Trust that clarifies.