

Re: OVER-G'ed Bumpy ride in Soyuz?

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*Source:* <http://sci.tech-archive.net/Archive/sci.space.shuttle/2006-04/msg00158.html>

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- *From:* [mdicenso@xxxxxxxxxxxxxxxxxxxxxxxx](mailto:mdicenso@xxxxxxxxxxxxxxxxxxxxxxxx)
  - *Date:* 11 Apr 2006 17:09:58 -0700
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John wrote

Interesting. Does anyone know if the rough ride is a function of the solids themselves or perhaps rather another factor such as the more complex aerodynamics of the stack, especially at lower altitudes?

Do other solid fueled vehicles such Ariane 5 (a liquid-solid hybrid), or Minuteman or Trident, or Titan III (which lifted off on solids only) also provide a relatively rough ride?

Yes, to both those questions.  
-Mike

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