

**Subject:** Slight variation of satellite diameter and positions of some cavities  
**Date:** Tuesday, April 3, 2018 at 6:32:17 PM Eastern Daylight Time  
**From:** Antonio Paolozzi  
**To:** David Arnold  
**CC:** Ignazio Ciufolini, Erricos C. Pavlis  
**Attachments:** Coordinates sat 204 mm.xlsx, Coordinates sat 204 mm.pdf, Coordinates sat 204 mm.rtf, Coord sat 204 mm after displacof CCR cavit aound hemisp cavit.xlsx, Coord sat 204 mm after displacof CCR cavit aound hemisp cavit.rtf, Coord sat 204 mm after displacof CCR cavit aound hemisp cavit.pdf

Dear Dave,  
we wonder if you could perform the analysis of two CCR distributions. Those two distributions are due to the possible change of the alloy of the satellite.

1) Satellite radius increased from 202 to 204 mm. The CCR cavities changes proportionally with respect to the 202 case. Files:Coordinates sat 204 mm

2) Satellite radius as in (1) i.e. 204 mm with 27 cavities (around the form hemispherical cavities) displaced by a maximum amount of about 8 mm. Files: Coord sat 204 mm after displacof CCR cavit aound hemisp cavit

The files are provided with three different formats:

Excel: the decimals of the coordinates are separated by a comma

pdf and Rich Text Format (this last one can be opened with word) have a period to separate decimal.

Please let me know if at least one of the three formats is ok for you.

Thank you very much

Antonio and Ignazio

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