

# Re: Opening the High Frontier of Space

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- *From:* Ian Parker <[ianparker2@xxxxxxxx](mailto:ianparker2@xxxxxxxx)>
  - *Date:* Tue, 26 Feb 2008 03:56:51 -0800 (PST)
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On 26 Feb, 06:22, Fred J. McCall <[fmcc...@xxxxxxxxxxxxxxxx](mailto:fmcc...@xxxxxxxxxxxxxxxx)> wrote:

Ian Parker <[ianpark...@xxxxxxxx](mailto:ianpark...@xxxxxxxx)> wrote:

:On 25 Feb, 14:49, Fred J. McCall <[fmcc...@xxxxxxxxxxxxxxxx](mailto:fmcc...@xxxxxxxxxxxxxxxx)> wrote:

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:> Let's see your business case.

:>

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:A business case can only refer to 5 years or less in the future.

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False. Please provide an authoritative cite for this contention.

Weren't you the one who was pillorying others because they expressed opinions and didn't produce a business case?

Just an A.S.S., I tell you...

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"Ordinarily he is insane. But he has lucid moments when he is only stupid."

— Heinrich Heine

OK a 2STO would be built within 5 years and comes well within the criteria. I would expect the mining of Ceres to be done by private enterprise. All public funding to be shut off after the 5 year deadline.

We can look at a 2STO and get a design now. A "low cost" 2STO could be built in 5 years if it is buildable.

Let's look at Ceres. We need to know how much platinum there is and what technology would be used to extract it. With present technology involving humans would cost (probably) some £200 billion. This is why we would need to devise automation. With automation the entry into the galleries could be quite small (10cm or so tubes). I feel it would be necessary to do an exploratory drilling into the core. This would be

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done by a nuclear powered mole, similar to the sort of moles envisaged for Europa, but able to go through rock as well as ice.

Initially geophones should be landed on Ceres, this will give us an idea of the structure and a mole could be designed after tha