

Abstract

Cassini Tour Cost Reductions

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The Cassini Tour as originally conceived had a problem -- it violated the cost constraint for mission operations and data analysis by more than 30%. This challenge was addressed by a small working group comprised of Project and Science [cam members whit] made the necessary tradeoffs to synthesize a modified tour design. The modified Tour accepted more data acquisition risk with minimal impact on mission objectives and brought operational costs within the program constraints.

This paper will share operational cost drivers and areas where increased risk can be taken to lower cost without jeopardizing mission success.