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Author: Mr. Roger X. Lenard
LPS, United States, rxlenard@gmail.com

COMMERCIAL LUNAR CRATER PROSPECTOR ARCHITECTURE AND ECONOMIC
ASSESSMENT

Abstract

There exists increasing evidence that a market for a propellant depot in Low Earth Orbit (LEO) could become a realistic, financially viable option. Recently, at a cis-lunar marketplace held in Centennial, CO, the United Launch Alliance announced that it was willing to pay for propellant in LEO. Prices in LEO were stated to be bid in a range between 3,000/kg and 7,000/kg. Propellant in Lunar Orbit was bid at 1,000/kg. *From the perspective of this assessment, with all its assumptions and caveats, the author uses historic and proposed depths samples from a multitude of locations and returning them to (ISS) for assay. The author employs an architecture employ*