

In-Situ Compute | Bitcoin Mining Mission Cost Study

Generated for: Jane Doe (jane@user.com)
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Orbit: Exolaunch/Delphini-1 (Transporter SSO, 575 km, 97.6°)

Mission Parameters:

- Altitude (km): 522.139
- Inclination (deg): 97.585
- Sunlight Fraction: 1.000
- Eclipse Minutes: 0.000

Key Results:

BTC mined (total): 0.0022
Power draw (W): 27
Net profit: \$-493,517

Cost Summary:

Bus: \$60,000
Payload: \$60,000
Launch: \$130,000
Integration: \$45,000
Communication: \$100,000
Overhead: \$160,000
Contingency: 25%
Total Mission Cost: \$493,750

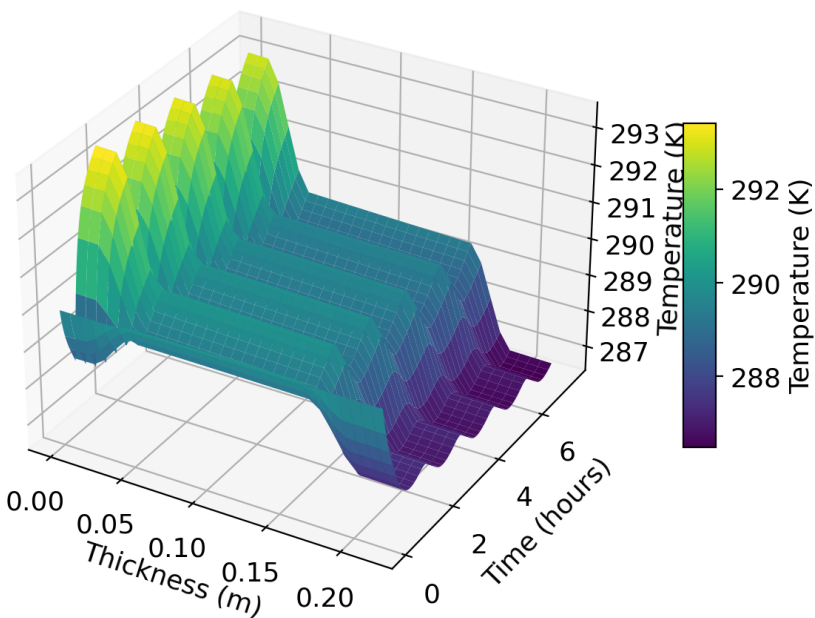
Thermal Summary:

Max board temp (°C): 17
Min board temp (°C): 15
Avg board temp (°C): 16

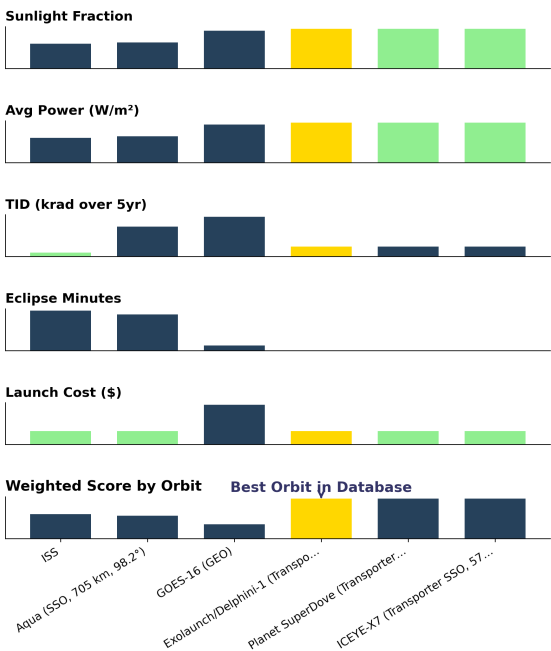
RF Link Summary:

Total passes analyzed: 1772
Total downlink data (GB): 0.79
Total uplink data (GB): 1.59
Total downlink contact time (hr): 176.50
Total uplink contact time (hr): 353.00
Downlink % of mission: 24.51%
Uplink % of mission: 49.03%

Temperature Evolution with Eclipse Cycles



Comparison of Orbits within Database



This report provides an approximate cost and technical summary for your requested mission profile. Values are estimates only, subject to change, and do not constitute a binding quote or proposal. Contact us for a detailed feasibility study.