RocketPod™ Update

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Ecliptic Products



RocketCam™: Get the picture.

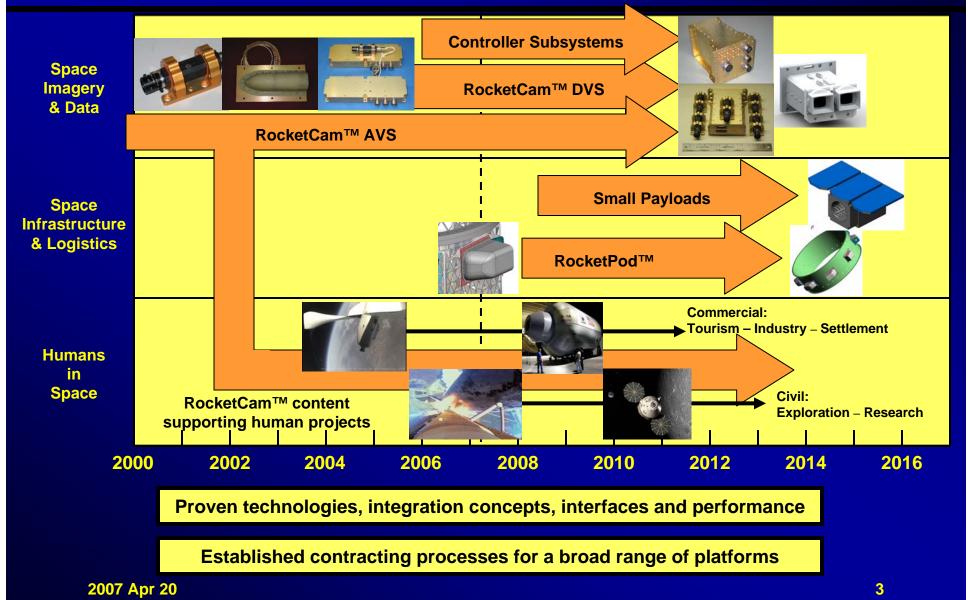


RocketPod™: Get the ride.



Ecliptic Products and Markets

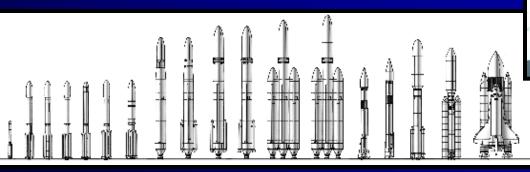




RocketCam Space Heritage



- Launched on 49 projects since 1997
 - 32 rockets to orbit (66 cameras)
 - 15 suborbital launches (33)
 - 2 spacecraft (6)
- All relatively simple integrations
- All relatively low cost
- All successful
- Many more to come

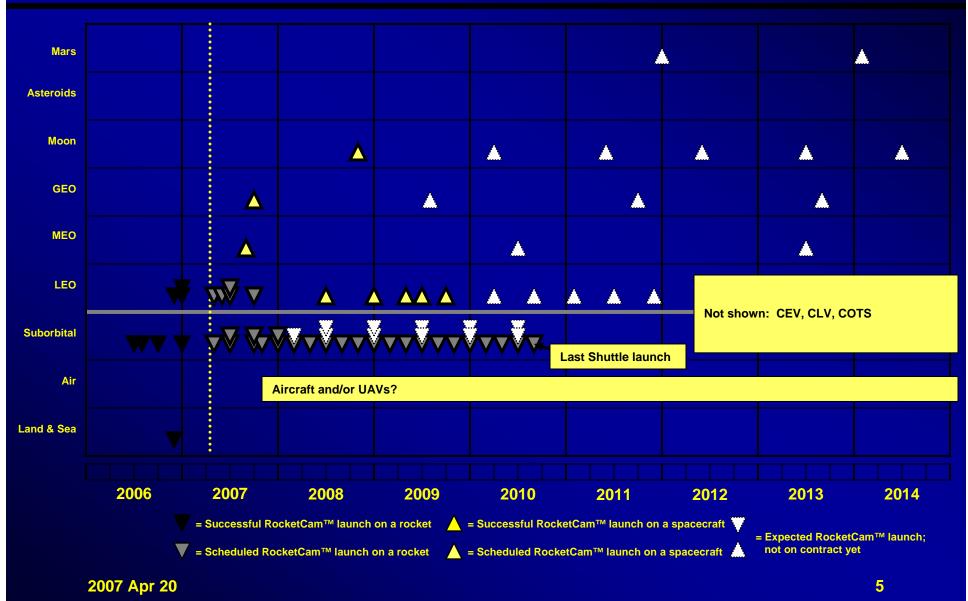




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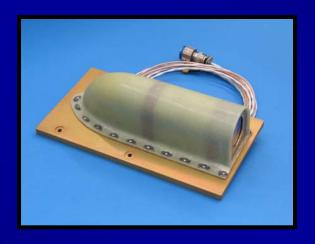
Future RocketCam Launches



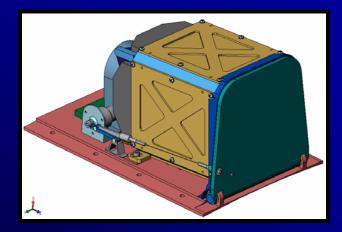


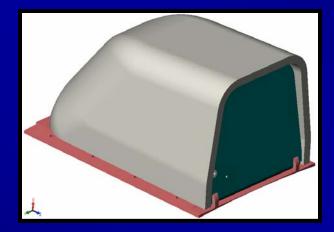
RocketCam to RocketPod (Delta II example)







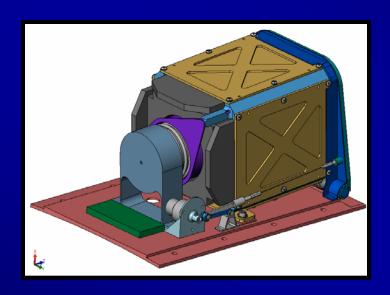


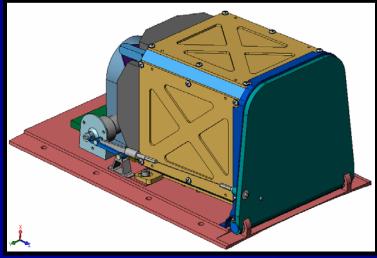


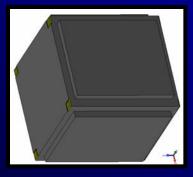
Patented in U.S. and abroad

RocketPod Internal View



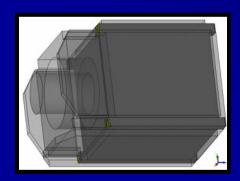






Sep velocities:

- 2.6 m/s for 0.6 kg payload
- 2.0 m/s for 1.0 kg
- 1.4 m/s for 2.0 kg



Std. CubeSat

"CubeSat+"

What Makes RocketPod™ Attractive?



Traditional Secondary Payload Model

RocketPod™ Secondary **Payload Model**

Unique payload design Standard payload design

Single payload per launch Multiple payloads per launch

Mission-specific interfaces Standard interfaces

Mission-specific analyses — Enveloping analyses

Mission-specific trajectory Standard deployment options

Mission-specific safety requirements Standard safety requirements

Unique launch-site processing Standard launch-site processing

Standardization enables lower recurring launch cost and a low-cost secondary launch program; can be key component of Responsive Space for kg-class systems

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Current Activities



- During 2004-2006, assessed integration issues for most U.S. ELVs, plus some spacecraft
 - Delta II, Delta IV, Atlas 5, Minotaur, Taurus, Falcon 1
- Two suborbital launches this summer on GSC P-9A/B
 - Fairing fit-check on P-7 last fall
 - Follow-on launch 1Q 2008 if 2007 launches are successful.
- Launch option on Falcon-1 launch late this year
 - Malaysian launch, via SAT
- Working on DARPA STTR with Cal Poly SLO to identify and work <u>orbital</u> launch opportunities
 - Focusing on mid-2008 and beyond
- Actively discussing RocketPod applications for other rocket and spacecraft applications
 - Commercial, NASA, defense
- Ecliptic-Ames MOU approved today

Fairing Fit-Check on GSC P-7



