# 3.2 Proximity Operation Mission History

Rendezvous and proximity operations (RPO) missions have a long history in human spaceflight dating back to the first Gemini missions. It was not until the previous decade did interest arise in doing RPO missions with purely robotic applications. For the most part RPO missions have been solely under the purview of NASA and the military, only recently have private companies and universities made inroads in this area. Each mission has taken a different approach to RPO and has ranged from small CubeSats to massive multi-million dollar satellites. The successes and failures of these missions helped drive the constraints in the RASCAL Mission.