

Abstract Submitted
for the 4CF13 Meeting of
The American Physical Society

FalconSAT-7: A CubeSat Deployable Solar Telescope THOMAS DICKINSON, United States Air Force Academy, AIR FORCE ACADEMY FALCONSAT-7 TEAM¹ — The United States Air Force Academy's Department of Physics is building FalconSAT-7, a membrane solar telescope. The primary optic is a photon sieve – a diffractive element consisting of billions of tiny holes in a polymer sheet. Due for launch in 2015, FalconSAT-7 will serve as a pathfinder for future missions in lightweight, high-resolution, space-based surveillance.

¹Comprised of USAFA Department of Physics, Department of Electrical/Computer Engineering, and Department of Astronautical Engineering

Thomas Dickinson
United States Air Force Academy

Date submitted: 20 Sep 2013

Electronic form version 1.4