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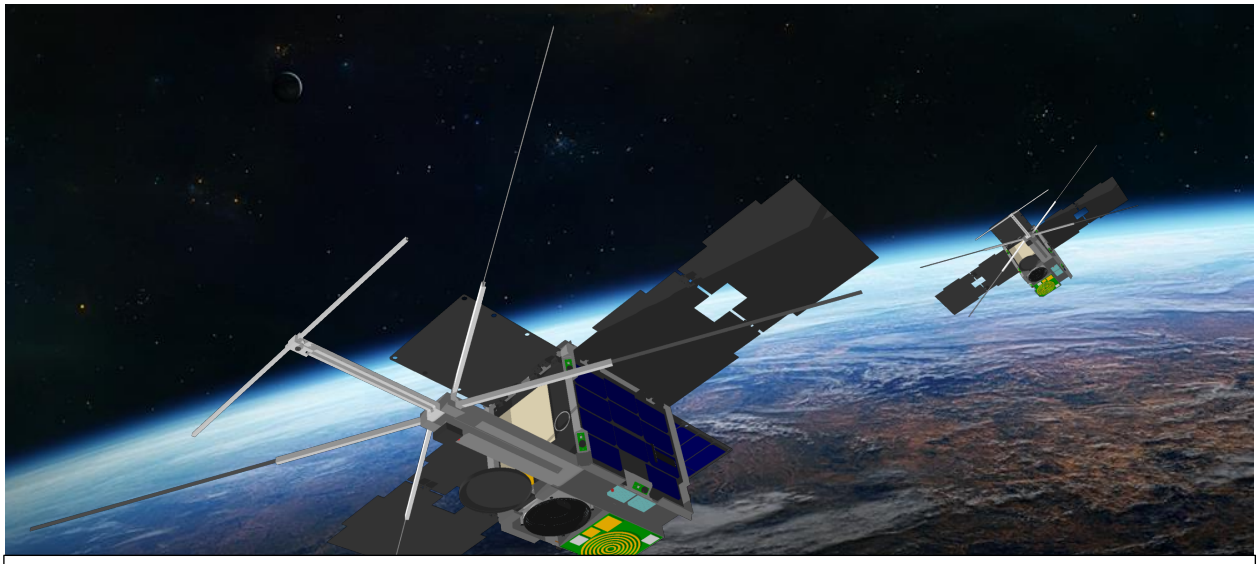
UNIVERSITY OF NEW SOUTH WALES – CANBERRA SPACE DEVELOPS ADVANCED ON-BOARD SATELLITE IMAGE PROCESSING WITH IMAGES FROM APERTURE OPTICAL SCIENCES' SMALLSAT TELESCOPE

Leading Australian University Advances Satellite Image Processing

Canberra, NSW and Meriden, CT., August 6, 2018 – University of New South Wales (UNSW) Canberra Space, a research team at a leading Australian University located at the Australian Defence Force Academy (ADFA), has ordered multiple CC Series telescopes from Aperture Optical Sciences Inc. (AOS). These telescopes provide the primary optical payload for the M2 mission and supports its role in developing world-class space capability in Australia.



Artist's Rendering of M2 Satellite in Orbit. Permission granted for reproduction with credit to University New South Wales, Canberra Space. High resolution image available upon request to info@apertureos.com.

The M2 mission is part of a research and development programme supported by the Royal Australian Air Force which consists of a constellation of two advanced 6U Cubesats. The spacecraft have a suite of optical and RF remote sensing payloads to carry out a broad range of technology demonstration roles. The novel approach to on-board data processing on the spacecraft aims to reduce the time-line between image acquisition and the ultimate delivery of information to decision makers.

Aperture Optical Sciences

UNSW CANBERRA

"One of the primary goals of M2 is to develop a high-performance small spacecraft with imaging capability. We explored multiple options for the optical payload and found that the Silicon Carbide (SiC) telescopes from AOS provide us with the optimal combination of programmatic agility, coupled with low mass, thermal stability and imaging quality.", said Prof. Russell Boyce, Director of UNSW Canberra Space. "We're impressed with their in-house capabilities for both design and manufacture of customized SiC optical payloads".

The CC Series is a new generation of high performance telescopes for Cubesat and Small Satellite imaging and laser communication applications. Extensive use of SiC provides a telescope that is inherently athermal and low mass, providing consistent image quality and lowering launch costs.

"UNSW Canberra Space is a world-class team of space professionals playing a leading role in shaping Australia's capabilities in space", said Chip Ragan, vice president of space programs at AOS. "Their selection of the CC series SiC telescope for the M2 project's primary optical payload further demonstrates our capabilities to provide high performing optical payloads for demanding small satellite applications."

About UNSW Canberra Space
UNSW Canberra Space is a leading institution in space research, education and thinking in Australia with the capability to routinely conceptualize, develop and fly affordable, agile in-orbit missions.
www.unsw.adfa.edu.au/space-research

About AOS
AOS designs, develops and manufactures high resolution, thermally stable telescopes for satellite imaging and laser communication applications. To learn more about AOS' innovative small satellite optical payload solutions visit www.apertureos.com

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