CUBESAT NB SPECTRAL AIRGLOW STRUCTURE IMAGER AND ON-BOARD COMPUTER MOLLY BOYLE, THOMAS RIPLEY, SHANECE WILSON, HANNAH WOOD



WHAT IS A CUBESAT?

Cube satellites (CubeSats) are cube-shaped satellites built in blocks termed "units". CubeSat NB is a collaboration between students and professors from UNB, NBCC, and UdeM. CubeSat NB's satellite, named VIOLET will be a 2U CubeSat with a size of 20cm x 10cm x 10cm.

SASI SUBSYSTEM

Airglow Structure Spectral







MISSION

navigation satellite systems.

VIOLET's mission is to gather data about the earth's ionosphere and relay this data back to earth through signals transmitted by global

Our project covers two subsystems of the CubeSat. The Spectral Airglow Structure Imager (SASI) and the On-Board Computer (OBC) subsystems were designed, built and tested by the team.





