

This project (NNX09AM51A) is being completed for NASA as part of the LONESTAR Mission for Small Satellites. The Bevo-2 Satellite for which this application is being completed will accomplish the following Mission Objectives:

Evaluate sensors including but not limited to: GPS receivers, IMUs, rate gyros, accelerometers.
Evaluate Reaction Control System (RCS).
Evaluate GN&C system including guidance algorithms, absolute navigation, and relative navigation.
Evaluate communications capabilities between two spacecraft and from each spacecraft to their ground stations.
Evaluate the capability to take video.