

Getting Started: Parachute Deployment

What is the goal of the flight team?

The flight team is responsible for all electronic systems acting during flight time in the rocket. The primary components of which are the Air Brakes and the Parachute deployment.

What is the purpose of the parachute deployment system?

The parachute allows us to reuse our rocket which is very important and is the reason for the recovery team exists. Avionics role in the recovery process is ensuring the parachute charges deploy at apogee.

What are the major checkpoints for the year?

1. Test or recreate function for predicting deployment stage.
2. Test deployment function in scale test.
3. Test electronic ignition system
4. Test electronic ignition via Telemtrum at scale
5. Test electronic ignition via LoRa at scale

Timeline:

October	November	January	February	March
1	2	3	4	5

Next Steps:

- Review old code for parachute deployment (if it exists)
- Research what physical principals may be used as indicator for deployment