

FLIGHT DAY ROLES

Name	Role	Call sign	Responsibilities
Adult Mentor Faculty	Flight Director	FLIGHT	The person ultimately responsible for the flight, the safety of the flight, the launch team, and all flight day operations. The flight director has final discretion on whether or not to launch. The flight director relies on input from the rest of the launch team in making the final go/no go decision.
Student_A	Weather Officer	METO	Responsible for assuring weather conditions are within launch limits. Monitors winds, precipitation, lightning, and any other meteorological issues that may prevent a safe flight.
Student_B	Range Safety Officer	RSO	Responsible for the safety of the range. Make sure there are no obstructions to launch, that there are no aircraft in the traffic pattern or waiting to takeoff. Also responsible for first aide supplies and is the first responder in the event of a medical issue.
Student_C	Payload Officer	PAYLO	Responsible for assuring that all payloads are turned on and function properly and are ready for flight. The PAYLO will rely on individual payload specialists to make sure all payloads are working and transmitting data as required. Responsible for making sure the flight termination system has been connected properly and is powered on and ready for flight.
Student_D	Telemetry and Tracking Officer	TEL-TRAK	Responsible for making sure that iridium is on and transmitting data. Will make sure idle has been sent and received before powering on flight termination systems. Will make sure that SPOT is on and transmitting position and that spot and iridium are properly secured for flight.
Student_F	Data acquisition and Processing Officer	DAPO	Responsible for making sure data is being received from all payloads that transmit data and that the data is being received in the correct format.
Student_G	Ground Station Officer	GSO	Responsible for making sure all ground station hardware is operating and pointing correctly. Responsible for the alignment and calibration of the ground control station(s). In charge of the setup of physical ground station hardware and software.

Student_H	Airspace and Compliance Officer	ACO	Will make sure all paperwork has been filed with the FAA. Will coordinate with the Salt Lake City ARTCC. Will confirm that the 30-minute call has been made to Center.
Student_I	Fill	FILL	Responsible for the fill of the balloon. Will coordinate the transportation of the lifting gas, set up of regulators, and will control the fill. Will need to confirm the lift calculations have been made and are correct for the payload weight, and the size of the balloon.
Student_K	Load and Requisition Officer	LRO	Responsible for making sure all vehicles are loaded with launch day supplies, food, water, first aide and fire safety. Will coordinate the requisition of launch day supplies as needed.
Student_L	Balloon	VEHICLE	Responsible for the balloon and the balloon spares if required. Will organize the layout of balloon fill area minus lifting gas. Will coordinate with FILL to assure the fill areas is set properly with drop cloths and sheets to protect the launch vehicle. Will physically launch the balloon.
Student_M	Recovery Officer	RECOVERY	Will capture LAT/LONG of payload upon landing, identify landowner, coordinate the recovery operation and will assist in making first contact with property owners. Will assure that all payloads have been recovered and that payloads are secured for transport back to the lab. Will assure all team members follow leave no trace, and best practices for crossing private land.
Student_N	Video	HOLLYWOOD	Responsible for filming launch, taking pictures and video before and during launch, and responsible for flight monitoring video and/or camera systems such as GOPRO, DSLR, 360 (not responsible for the Pi camera or streaming video).
Adult Mentor Faculty	Chief Engineering Officer	SPARKY	Responsible for all technical issues and support that cannot be solved by mission specialists. Will support all missions as needed.