For the third year, the Space Hardware Club is hosting its One Month Challenge. In the span of one month, new club members have formed 22 teams of five in order to design and build balloon payloads that will measure altitude, blink LEDs, transmit telemetry, and perform a controlled descent after autonomously releasing from the balloon line at 700 ft. BalloonSat 43 will consist of three simultaneous low altitude One Month Challenge demonstration flights with local recovery done by the teams.

**Payload Manifest:**
- Master Cut-down Device
  - Releases main payload line after deployment of One Month Challenge payloads
- Main Parachute
- SPOT Tracker
- One Month Challenge Payloads (22 Teams)
  - Measure Altitude and Temperature
  - Release from balloon line at 700ft
  - Transmits telemetry to ground station
  - LED Blinkers

**Timeline:**
- Payload Check-in at OB 307: 8:00 AM
- Payload Weigh-out: 8:30 AM
- Preflight Briefing at VBR M-25: 5:00 PM
- Load Equipment: 5:30 PM
- Team Departure from UAH: 6:00 PM
- Team Arrival at Launch Site: 6:15 PM
- Final Weather Check: 6:30 PM
- Balloon 1 Fill begin: 6:35 PM
- Balloon 2 Fill begin: 7:00 PM
- Balloon 3 Fill begin: 7:30 PM
- Tracker Power-up: 7:30 PM
- Ground Station Test: 7:30 PM
- Final Payload Check: 7:55 PM
- Launch of three balloons: 8:00 PM
- Recovery immediately following Launch

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**Point of Contact:** Trey McFerrin (205) 200-7649 || trey.mcferrin@uah.edu