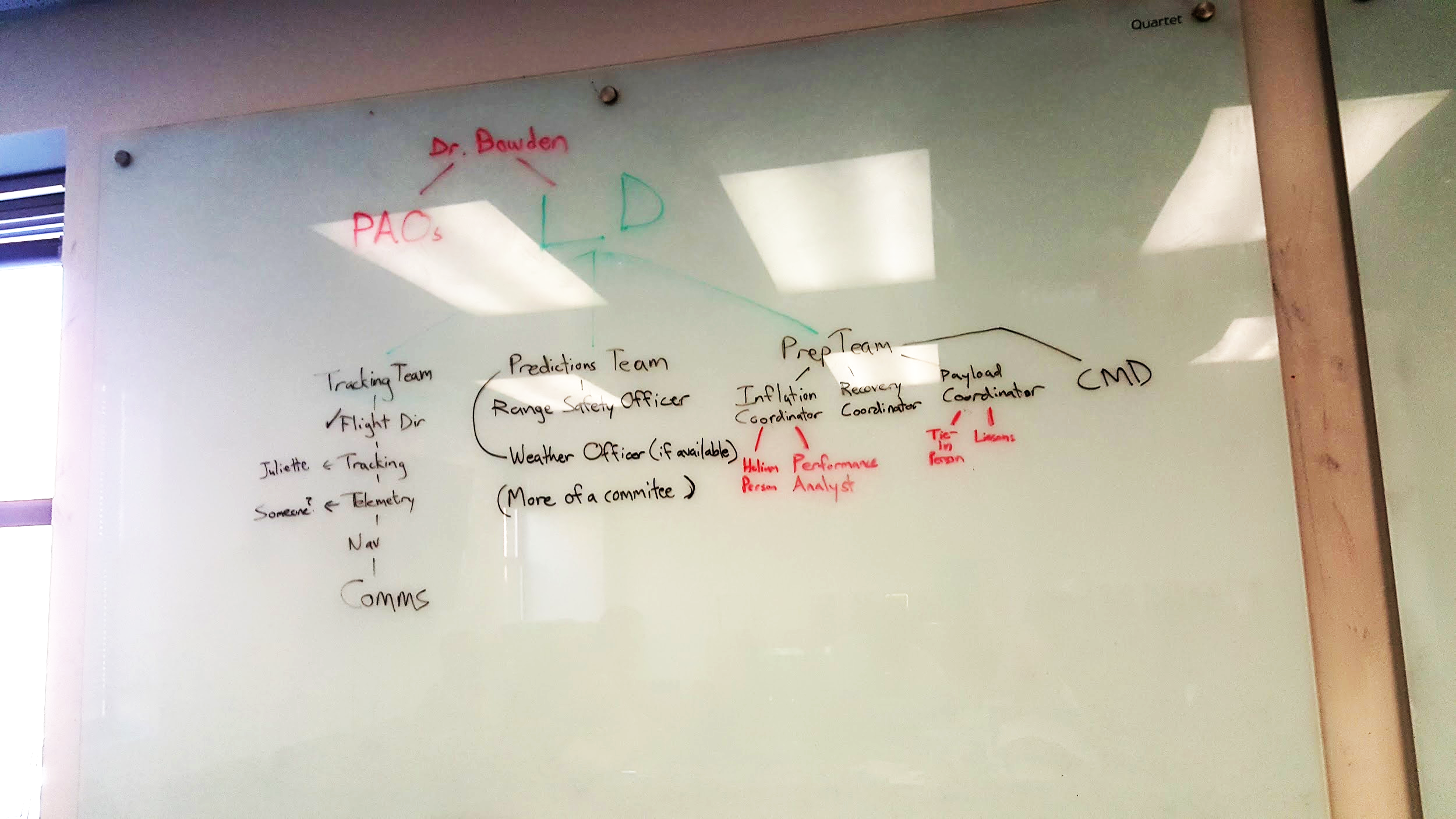
Launch

* Dropped payloads
  + Cansat:
    - Testing tonight (5/2)
    - Weight: 0.82 lb
    - Thermal test:
    - Drop at ~1000 ft
  + Tardis
    - Few things to fix but ready to fly
    - Weight: 2 lb
    - Drop at ~2000 ft
    - Not thermal testing
  + MARS
    - Drop HASP by timer
    - 2nd MARS not ready
    - Tardis giving away xbee
    - Helios has balloonduino if not ready
    - Shortages of balloonduino, xbee, lvc
    - Way to have 1 MARS drop 2 payloads?
      * Could make recovery easier if both dropped at same altitude
      * Need to make sure drops don’t affect each other
* Ground tracks (as of 5/2):
  + Chance of rain both days
  + Saturday
    - northern track
  + Saturday
    - Short
* Launch:
  + 1 tracking van
  + 1 recovery van



Organization

* Follow SSL structure
* List of all jobs in lab
  + Launch prep
  + Launch ops
  + Lab ops
* Who can do jobs now and who can do in summer
* Keep lab clean!
* Nick’s Launch Manual
  + Formalize operations & organization
  + Titles:
    - Prediction team
      * Ground tracks
      * Weather monitoring
    - Prep/Launch ops team:
      * Inflation Coordinator
        + Helium
        + Regulator + connectors
        + Gloves
        + Inflation at launch site
        + Having the right size balloon + backups
        + Tarp, BLT, etc.
        + Performance analyst
      * Launch supplies (The Supplier)
        + Toolboxes & buckets?
      * Recovery Coordinator
        + Slingshot
        + Poles
        + Ropes
      * Payload Coordinator
        + Take payload weights
        + Tie in
        + Batteries
      * Command Module
      * Set up tracking
    - Launch director
      * Facilitate communications
      * Checklists
      * “Make sure all the things that are supposed to be happening happen”
    - Public Affairs Officers
      * Emails
      * Zello
      * Twitter
      * Balloon altitude bets
      * Photographer -- may be a separate person
    - Tracking team
      * Flight director
        + Give general waypoints
      * Tracking radios
      * Telemetry
        + 900’s
      * Navigator + vehicle communications
        + Give turn by turn
    - People & summer team:
      * Tracking team
        + Flight director

Luke, Juliette, Blaire

* + - * + Tracking

Nick -> Juliette (in training)

* + - * + Telemetry

Nassif -> Caitlyn

* + - * + Navigator
      * Prediction team
        + Range Safety Officer
        + Weather Officer (if available)
        + Weather & ground track committee
        + Luke, Tyler, Dale, anyone else that wants to
      * Preparations team
        + Inflation Coordinator

Regulator connectors

Gloves

Inflation at launch site

Having the right size balloon + backups

Tarp, BLT, etc.

Bianca, Juliette

* + - * + Performance analyst

Michael Walker

* + - * + Helium Officer

Check and keep track of psi before launch

Loading & moving tanks

Inflation + monitoring psi

Label tanks

Semester + Summer: Dale

* + - * + Launch supplies

Toolboxes & buckets?

* + - * + Recovery Coordinator
        + Payload Coordinator

Take payload weights

Observe tie in

Coordinate with outside groups

Launch Proposal Forms/Launch Readiness Forms

Semester: Blaire, Aravind (ish)

Summer: Blaire

* + - * + Command Module
        + Set up tracking
        + Bianca, Nassif, Juliette, Blaire, Dale