**Pre Fly Day Checklist**

* Inform Flight control T – 25h
  + Run predictions and prepare Pre Flight Report
  + Send email to flight control T – 24h
* Check flight computer, Sensors and Calibrate T-17h
  + Charge power bank
  + Update calibration values for sensors
  + Take trial images. Download images to computer and check them.
  + Take sensor trial measurements. Download to computer and check them.
  + Check communications
* Packing tools T-16h
  + Wire cutter, scissors, knife, pen, paper, torch
  + Duct tape
  + Payload box labels (info tag)
  + Protecting blanket
  + Cable ties (minimum 10 pieces)
* Packing payload Sealed T-15h
  + Payload box closed and sealed
  + Payload box labels
  + Weight payload
* Packing Balloon and Filling Equipment T-14h
  + Balloon
  + Latex gloves
  + Check tank and filling equipment.
  + Tank, pressure reducer, hose, fill tube.
  + Weight to check balloon fill state.
* Packing Tracking Equipment T-13h
  + Track Antenna. Assembled Yagi antenna, FUNcube Dongle and USB cable.
  + Ground Station Computer.
  + Car power switch source.
  + iPhone charge cable.

**Pre Fly Checklist**

* Inform Flight control T-60min
  + Generate new prediction and check for deviations.
  + Verify local weather predictions for the hour and hold countdown if necessary
  + Call flight control and confirm launch and time.
* Start Ground Station Computer T-50min
  + Power up and power computer via car power switch source.
  + Create local hotspot and connect computer to it.
  + Connect FUNcube Dongle via USB cable to lower USB.
  + Start DSP Radio, Fldigi and Flight Control Centre. Check frequency setting.
  + Start Flight Control Centre and check if working.
* Start Up HAB T-30min
  + Lay out protecting blanket
  + Connect battery to flight computer (turn on the payload)
  + Check signal received in ground station
  + Check successful transmission
  + Lay out rigging lines and parachute to check for damage
  + Check surrounding area to be free of obstacles
* Filling Balloon T-20min
  + Put gloves on.
  + Unpack and attach filling equipment to tanks. Remember check weights.
  + Open tank valve and check flow. Close tank valve.
  + Unpack balloon and put over filling tube. Fix balloon with cable ties and tape.
  + Start inflating balloon till nearly lift of check weights. Consider wind!
  + Connect rigging line with solid nodes.
  + Disconnect balloon from filling tube and close balloon end tight.
* Launch Balloon T-0min
  + Check aerial to not be bend.
  + Check transmission and camera to record.
  + Watch out for obstacles.
  + Let it go.

**Post Fly Checklist**

* On site recovery
  + Call flight control (and confirm touchdown or loss)
  + Photograph payload box before touching
  + Recover payload box
  + Open payload box
  + Stop image capture
  + Power down flight control computer
* In Base
  + Copy logged data to computer
  + Copy images to computer
  + Backup data