Software outline

Recovery board

3 main states, idle, active and armed

Idle State

* Only the Arduino and xbee are on

Active state

* Recovery Arduino is on, power is supplied to instrumentation board
* Stratologger is off
* Used to allow GPS to get a lock, and test datalogging

Armed state

* Same as active state but with stratologger on

Main loop

1. Check for data from transponder
2. If there is data
   1. Parse command from data
   2. If command is a state change
      1. Change state to new state
   3. Else do nothing
3. Check state
4. If state is idle
   1. Send