

Electronics Parts List

- (6) ½" Styrofoam (6" by 6")
- (1) 10mm Cellfoam 88 (6" by 6")
- (1) 5mm Cellfoam 88 (6" by 6")
- (1) 1" Foam rubber (6" by 6")
- (1) 3/8" Coroplast (6" by 6")
- (4) ¼" diameter Plastic Tube (6" long)
- (1) ¼" diameter Plastic Tube (8" long)
- (1) Colored Tape
- (1) IR Filter (four Congo blue and one primary red gels) (1.5" by 1.5")
- (1) Polaroid Filter (1.5" by 1.5")
- (1) Camera Bolt (¼-20 bolt, 1" long, two washers, Styrene sheet)
- (1) White Plastic Lid and bolt (#6-32 bolt, two washers, one nut)
- (1) Modified Camera and CD
- (1) Red Yarn (12" long)
- (1) PCBs (bag of ten)
- (1) Electronic Components

Printed Circuit Boards

- (1) BalloonSat Flight Computer
- (1) Photometer Base
- (2) Temperature Sensors
- (1) Temperature Array
- (3) Easy Plug
- (1) Relative Humidity and Temperature
- (1) LED Photometer

Electronic Components

- (2) IC Socket (8-pin)
- PICAXE-08M2 Microcontroller
- TLC272 op-amp
- Green LED
- LM2950 voltage regulator
- HIH-4000 relative humidity sensor
- 22 uF tantalum capacitor
- 1 uF capacitor
- 0.22 pF capacitor
- 9-volt battery snap
- (2) Right-angle header
- 2 by 4 receptacle
- 1 by 3 header
- Relay
- 680 ohm resistor
- (4) 1k ohm resistor
- 22k ohm resistor

10k ohm resistor
4k7 ohm resistor
(4) LM335 temperature sensor
(3) 3-pin right angle header
Shorting block
24 AWG Wire

Several resistors to set LED photometer (TBD)
Several high-output LEDs for LED photometer (TBD)