

Chris Koehler

Sent: Sunday, April 11, 2004 10:05 PM
To: koehler@colorado.edu
Subject: DemoSat Progress Report

Below is the result of your feedback form. It was submitted by
() on Sunday, April 11, 2004 at 22:04:30

School_Name: University of Northern Colorado

Author: Pat Mills

Email: mills.p@comcast.net

Report_Date: 04-07-2004

Missions: CosmicSat

Current_Progress: LESS THAN A WEEK TO GO!!!!

THE PRIMARY GOAL: TO BE TESTING ALL THE ELECTRONICS TOGETHER WEDNESDAY AT THE VERY LATEST(4/14)

Much was accomplished on Saturday. Both boxes are nearly ready to go. The triangular frame and box have been reconfigured to house the GT-PT. The (GT-PT) (500gms) can go on either payload - and, if both systems go up together in the same box, we will still be close to our weight limit.

A second heater circuit was made for the triangular box. A temp test was done in a sealed box at room temperature to determine the maximum temp inside the box. After ~ 2 hours, the inside T was 96 degrees F. A cold test will be done this week.

Ryan and Levi came up with a wonderful design for assembling the box that will allow access to the inner parts with out disassembling the outside switch wires.

One comparator chip on the circuit was deemed bad - another should arrive Monday or Tuesday.

TO BE DONE:
MACHINE AND POLISH SCINTILLATOR
WORK ON THE CIRCUIT IF THE COMPARATOR CHIP ARRIVES
CONTINUE WORK ON BOXES

TUESDAY:

ANNA WILL EPOXY AND WRAP THE SCINTILLATOR AND PVC.
TEST PMT (1) - IF IT WORKS, HARDWIRE, AND THEN TEST BOTH TUBES.
PRESSURE TEST PMTS
FINISH BOXES
COLD TEST BOXES AND HEATERS
DROP TEST BOX

WEDNESDAY:

TEST CIRCUIT, PMTS AND DATA LOGGER TOGETHER

THURSDAY:

ASSEMBLE ALL COMPONENTS IN BOXES
RUN A WHOLE SYSTEM TEST
REPAIR ANYTHING THAT NEEDS REPAIRING

FRIDAY:

ASSEMBLE BOX AND DETECTORS
LOAD NEW BATTERIES INTO PALMTOP
POWER THE GT-PT BEFORE SEALING

Upcoming_Milestones: TO BE DONE:

MONDAY:

MACHINE AND POLISH SCINTILLATOR

WORK ON THE CIRCUIT IF THE COMPARATOR CHIP ARRIVES

CONTINUE WORK ON BOXES

TUESDAY:

EPOXY AND WRAP THE SCINTILLATOR AND PVC. TEST PMT (1) - IF IT WORKS, HARDWIRE, AND THEN TEST BOTH TUBES. PRESSURE TEST PMTS FINISH BOXES COLD TEST BOXES AND HEATERS DROP TEST BOX

WEDNESDAY:

TEST CIRCUIT, PMTS AND DATA LOGGER TOGETHER

THURSDAY:

ASSEMBLE ALL COMPONENTS IN BOXES

RUN A WHOLE SYSTEM TEST

REPAIR ANYTHING THAT NEEDS REPAIRING

FRIDAY: ASSEMBLE BOX AND DETECTORS

LOAD NEW BATTERIES INTO PALMTOP

POWER THE GT-PT BEFORE SEALING

LAUNCH

Current_Weight: 0.5 kg

Questions_Comments: CAN OUR WEIGHT BE 2.9 KG? THIS WOULD INCLUDE TWO DETECTORS.

Launch_Date: April 17, 2004

submit: Send

HTTP_USER_AGENT: Mozilla/4.0 (compatible; MSIE 5.5; Windows 98; Win 9x 4.90)