

Chris Koehler

Sent: Monday, March 22, 2004 10:52 AM
To: koehler@colorado.edu
Subject: DemoSat Progress Report

Below is the result of your feedback form. It was submitted by
() on Monday, March 22, 2004 at 10:52:18

School_Name: Colorado School of Mines

Author: Team BanamaRama

Email: robnboard@aol.com

Report_Date: 03-24-2004

Missions: TXSat, RoverSat

Current_Progress: We have the rover drawn on AutoCAD. We bought all of the aluminum stock for it. Today our 7 mile video transmission system arrived. It looks good, although the video transmitter case is made out of 1/8" thick steel. This is a problem because steel probably isn't the best choice of material for this application. We are currently drawing a new box for the transmitter to be crafted out of T6061 aluminum. All of the rovers parts are built and accounted for except the axles, and the rover movement control system, which will consist of an airplane radio and 3 servos. We have the servos, and are weighing the consequences between 2 radio systems. Our team meeting on saturday should be productive, one group of us is going to start work on assembling the rover, and the other is going to start work on powerpoint for our upcoming presentation. We are also still trying to reach our NASA contact about information on a lightweight battery system. We have sent three emails, over the course of the last month, and haven't gotten any response.

Upcoming_Milestones: Saturday 3/27- Rover mechanical assembly.

Current_Weight: 1.3 kg

Questions_Comments: Our concerns are dealing with weight. Right now we are going to be spending .512 Kg. on just the battery system alone, we need some help selecting lighter materials, we looked into lithium batteries, but the ones we looked at might not be the right kind, because they don't put out a better power to weight ratio than an energizer AA alkaline battery.

Launch_Date: April 17, 2004

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