



EOSS Meeting Minutes

Tuesday April 12, 2019

Longmont, CO

Call to Order: Tom KE7KCK called the meeting to order at 7:10 PM. There were 8 present, with 6 attending via Zoom Meeting.

Previous Meeting Minutes: Meeting minutes for March 12th, 2019 were emailed out for review. Tom, KE7KCK, asked those attending for comments. Minutes were accepted as Corrected.

Treasurer's reports: Treasurers report will be presented at next month's meeting.

Tech Committee: Mark, KCØD, reported that one of the KCØD payloads experienced a problem after burst on flight EOSS-284. After investigating the problem, he found two issues. First was a problem in the firmware that cause the processor to reset after burst. This has been fixed. Second is a hardware problem requiring a different switch that will supply proper voltage level on the output pin. These changes will need to be applied to the other KCØD payloads. Everything worked well on EOSS-285. On EOSS-286, AEOSS-13 suffered an antenna failure at launch when coax was pulled from the payload. Steve, KØSCC, has repaired the antenna and has added an anchor to the payload to prevent similar events. Steve has everything charged and ready for the next flights.

Ground Station: Jeff, N2XGL, reported no real issue with ground station. Still working on some configuration with the SDR system. Russ, KBØTVJ, offered the FAA the option of using an experimental kiosk develop by Jeff N2XGL for tracking the flights. The kiosk web site is currently hosted on Jeff, N2XGL's server to provide a read only version of the SDR tracking system. Tom, KE7KCK, suggests that Ben, KBØUBZ, look into hosting the kiosk on EOSS web site. Tom, KE7KCK, will add the kiosk as a topic on the next agenda to see if this is a service EOSS want to offer. Tom, KE7KCK, confirmed with Marty, WAØGEH, that DMR radio communication will be between Alpha and Ground Station as an additional means of communications.

Track and Recovery: Marty, WAØGEH, said that they had some surprises when one of the balloons burst early. Trackers were position in areas around the predicted landing and had to react to the new situation. Tom, KE7KCK, would like to stress that the first person arriving at the landing location should evaluate the situation and communicate any safety concerns to Alpha. Alpha will advise customer or customer escort on best method to approach landing area. Marty, WAØGEH, will have a list of trackers for upcoming flight out tomorrow.

EOSS-285 and EOSS-286: EOSS Leadership was contacted by Chris, KDØNRY, and Bernadette following the flight concerning a student that felt they were touched inappropriately at the launch site. EOSS members shall not touch any student unless they are in imminent danger.

449.450 Repeater: Tom, KE7KCK, was asked by Jack, KEØVH, (whose repeater we use during flights) if someone from EOSS could support a Monday evening net to provide updates for upcoming flights. Tom,

KE7KCK, and Marty, WAØGEH, will work together to meet this goal. EOSS would like to thank the Rocky Mountain Radio League for the use of their repeater during all of EOSS flight recovery operations.

Metro and CU: Jim, KCØRPS, said Metro States Intro to Space and CU Boulders Gateway to Space are scheduled to launch this weekend from Wiggins, CO. Each school has 8 payloads and will fly a 3000-gram heavy's or four 1500-gram exempt balloons as weather allows. This is Geoff Lakes first launch since taking over the Gateway to Space program so please help make it a success. Jim, KCØRPS, said Rev A payload plans are posted on the web site. Tom, KE7KCK, said that Metro may run some air operations during the flight. Tom will provide a D72 radio for position data and inform them of how to best communicate with ground operations.

Summit Middle School: Tom, KE7KCK, said that Summit had to cancel their flight in March due to weather delay and have been tentatively rescheduled for May 4th.

CU Science Discovery: Jim, KCØRPS, informed the group that CU Science Discovery will not have a balloon workshop this summer and no flight is scheduled at their usual time in July.

Ball Aerospace BIRST: Tom, KE7KCK, said that Ball Aerospace is scheduled on July 20th.

GPSL: Nick, NØLP, has put out a call for those attending GPSL. Jeff, N6BA, will be attending this year and will be giving a presentation on the SDR Tracker. Those travelling to GPSL will find their own way to North Platte, NE then convoy the remainder of the trip for arrival in Pella, IA by 5:00 PM. Our host has setup a block of rooms so please make your reservations. We will be flying our last 1200-gram balloon. Nick, NØLP, asked if there are any payloads that need to be qualified.

Meeting adjourned at 09:00 PM

Minutes prepared by David Lanning, Secretary.