



## EOSS Meeting Minutes Tuesday March 10, 2020 Centennial, CO

**Call to Order:** Tom KE7KCK called the meeting to order at 7:00 PM. There were six present with twelve attending via Zoom.

**Previous Meeting Minutes:** Meeting minutes for February 2020 are available on the EOSS web site for review. Tom KE7KCK directed attendees to review minutes online. With no additions or corrections, passage of February's minutes is accepted as written.

**Treasurer's reports:** Rob NØRPF reviewed checking and Savings accounts. Rob said that donations in memory of Merle KØYUK will be moved to the special projects fund. Steve KØSCC has received his reimbursement check. Larry NØNDM has purchased 3 – 3000gram and 5 – 15000-gram balloons. Rob NØRPF will send invoice to CU for purchase of an EOSS tracker.

**Tech Committee:** Steve KØSCC has received, installed, and configured new firmware from Mark KCØD. Mark KCØD said that the CU students have packaged the new experimental ADS-B from uAvionix. CU is working with uAvionix to get the unit programmed and configured. Steve KØSCC has all payloads ready for this weekend plus spares if needed. Steve KØSCC met with Mat Rhode KEØZJV to tour CU's machine shop and talk about producing a release mechanism for the KCØD uppers. CU's students are busy working on their end of year projects and would be late summer before they could work on the releases.

**Launch Team:** Larry NØNDM has ordered 3 – 3000 gram and 5 – 1500-gram balloon to add to his inventory. Larry NØNDM will review inventory later this summer to see if more are needed. Larry NØNDM spoke with balloon vendor to see if they anticipated any supply problem due the Corona Virus outbreak. They see no problems with supply at this time. Larry NØNDM is ready for this weekend with gas and balloons. CU has gas on hand for the April flight and arrangements for delivery will be made as the date approaches.

**Ground Station:** Jeff N2XGL reports ground station is in good shape. They will be supporting analog and DMR at the ground station along with ADS-B capability with some attenuation. Jeff N2XGL reminded those on the EOSS Trackers dev branch to update their bricks before this weekend's flight.

**Track and Recovery Team:** Marty WAØGEH says we have a good number of trackers for this weekend. Most trackers will be down range before launch. Marty WAØGEH met with Matt Rhode KEØZJV and set him up with an EOSS tracker which he will use to monitor CU's flights from campus. Matt KEØZJV invited Marty WAØGEH to visit their Gateway to Space class to talk about EOSS on March 18<sup>th</sup>. Marty added that Nancy KØNKK and John KØJWB have a payload flying on the qualification flight that requires special handling instructions for the recovery team.

**FAA:** Russ KBØTVJ reported that that a HIBAL has been submitted and will be updated on Thursday or Friday.

**Upcoming Flights:** Norm KEØPAM said he will receive the remaining half dozen payloads by tomorrow and will pass weights on the Jim KCØRPS. Jim KCØRPS has published rev B of the payload plans and emailed out to everyone. Jim is considering changing the launch site from Deer Trail to Windsor to keep flight within Colorado. Decision will be made after looking at Randy's next prediction. Jim KCØRPS said that we added a payload from Nancy KØNKK and John kØJWB that will carry some dinosaur fossils and a sunscreen experiment. Randy said that we are expecting freezing drizzle and snow for Saturday morning. Group discussion decided to push launch time to 10:30 and 10:50. Russ KBØTVJ will call FAA to see if these times will ok and let Jim KCØRPS know. Tom KE7KCK said that he received an email from Bernadette KEØGKI regarding potential student lockdown due to virus outbreak. If students are locked down, they won't be able to finish their payloads. Mark KCØD will let Bernadette KEØGKI know that EOSS members will stay home if showing signs of illness.

**Potential NOAA Flight:** Russ KBØTVJ has been contacted by NOAA for a potential flight within the next 30 days. They would like to hang a glider under a 3000-gram balloon to verify glider control surfaces before they fly in California. We would provide the balloon, gas, and a beacon for tracking. EOSS will assign a tracker to NOAA's flight but NOAA will do the recovery.

**EOSS 300 Milestone:** Tom KE7KCK asked how do we want to celebrate EOSS-300. Some suggestions were to meet somewhere for brunch or dinner or to get shirts or ball caps with the EOSS logo. Tom KE7KCK will contact Ben KBØUBZ for info on shirts and hats.

**Expiring Email:** Marty WAØGEH will get with Ben KBØUBZ to see if we need to keep [eoss.admin@gmail.com](mailto:eoss.admin@gmail.com) account.

Meeting adjourned at 08:45 PM  
Minutes prepared by David Lanning, Secretary.