



EOSS Meeting Minutes Tuesday February 11, 2020 Longmont, CO

Call to Order: Tom KE7KCK called the meeting to order at 7:00 PM. There were nine persons present with five attending via Zoom.

Previous Meeting Minutes: Meeting minutes for January 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 January's minutes is accepted as written.

Treasurer's reports: Rob NØRPF reviewed checking and Savings accounts. Rob said EOSS has received several donations in memory of Merle KØYUK. Donations will be earmarked for R&D and ADS-B. Rob will look into missing payment to Steve KØSCC.

Tech Committee: Steve KØSCC has discovered that GPS problem on EOSS-13 is due to a crack in the ceramic substrate of the antenna. A new high-altitude GPS has been ordered and received from Byonics. Payloads needing qualification are the GPS on EOSS-13, new firmware on KCØD, and CU's new ADS-B. These will be flown on the March 14 flight. Steve KØSCC said the release mechanism on the Baker cutter reported a failure to release and brought back latex. Upon recovery examination showed the release was open. Steve thoroughly tested the release and sees no reason not to fly it again. Steve KØSCC says need to complete two more cutters so we don't have to fly the Spherachutes and our heavy tops. Steve will seek volunteers to help rework several payload enclosures after the weather warms up.

ADS-B Committee: Mark KCØD has been meeting with CU's ADS-B team each week. Uavionix programed in all of the data into the new ADS-B. CU has powered it up and it is working. Mark helped lighten the unit using Kydex. Mark KCØD with prodding from Russ KBØTVJ are looking into exposure to the ADS-B antenna radiation during transmission. They are waiting on data from Uavoinix for how often it transmits and at what power.

Launch Team: Larry NØNDM currently has 3 – 3000 gram, 8 – 1500 gram, and 1 – 600 gram balloons. Larry NØNDM received approval from Tom KE7KCK to order his recommendation of 6 -3000 gram and 5 – 1500 gram balloons.

Ground Station: Jeff N2XGL reports ground station is in good shape. Jeff N2XGL and Jeff N6BA are discussing the release of EOSS Tracker 1.3 software. After the release of 1.3 they will focus on software that uses vector maps which will help reduce required drive space. Jeff N2XGL is reliably capturing daily national weather service radiosonde data now. The morning flights are launched at 4:00 AM daily and could help improve our predictions before our flights.

Track and Recovery Team: Marty WAØGEH says he has one EOSS tracking unit available. Steve KØSCC added that new bricks will be hard to come by due Corona virus in China.

FAA: Russ KBØTVJ reported that we have received our waivers and they are good for two years. Ben KBØUBZ will post the applications and waivers on the web site. Russ KBØTVJ received the tail numbers for our future ADS-B units. Russ will be the holder of the flight FAA flight numbers.

Upcoming Flights: Tom KE7KCK informed to group that the next flight is on March 14 for NDIA and we will add a second balloon as a qualification flight. Steve KØSCC may need additional help at launch site to help string and launch. Norm said they will be flying payloads from three high schools in Pennsylvania and Kentucky.

EOSS Elections: Randy presented the results of the club elections. Tom KE7KCK has been re-elected as President, Russ KBØTVJ has been re-elected as Vice President, Dave KDØSEM has been re-elected as Secretary, Rob NØRPF has been re-elected as Treasurer, and Randy was re-elected as Membership Administrator. Nineteen people voted in the election.

New Business: Steve KØSCC asked if our club insurance is up to date. Rob NØRPF said we have a basic liability coverage and now that we are renewed with ARRL it will be renewed.

Tom said we are still seeking someone to take over GPSL coordination.

Meeting adjourned at 09:00PM

Minutes prepared by David Lanning, Secretary.