



EOSS Meeting Minutes

Tuesday June 9, 2020

Online via Zoom

Call to Order: Russ KBØTVJ called the meeting to order at 7:10 PM. There were fourteen attending via Zoom.

Previous Meeting Minutes: Meeting minutes for May 2020 are available on the EOSS web site for review. Russ KBØTVJ asked if anyone had comments or corrections. May's minutes is accepted as written.

Treasurer's reports: Rob NØRPF reviewed checking, savings, and PayPal accounts. Rob is working on billing for EOSS-299 and will be sending out checks to those who have submitted mileage. Rob will check PO Box on Thursday. Rob confirmed receipt of emails from Jim KCØRPS concerning site fee and one from Larry NØNDM concerning taillights.

Tech Committee: Steve KØSCC said that we successfully cut down EOSS-299, nothing got damaged, and the cutter has been rebuilt. Steve requested that someone have a look at the descent profiles between the Spherachute and Rocketman chutes. Steve KØSCC and Mark KCØD have been working on packaging for their new payload. Steve is also constructing a couple new wireless quick releases. He hopes to have one ready for next qualification flight. Mark KCØD and Steve KØSCC will be trying a new Bluetooth board with an external antenna in an attempt to improve signal strength between top and release. They are also looking at a protocol change to improve reliability with weak signals. Mark KCØD said that if we cannot find room on a customer's flight, we may need to consider a qualification flight.

Launch Team: Larry NØNDM said everything went well with the fill and launch. Larry has two full cylinders plus a partial that can be used on the next flight.

Ground Station: Jeff N2XGL said that the new Deer Trail School worked out very well. Jeff said the only thing we might do different next time would be to space vehicles out a little more.

Tracking and Recovery Team: Marty WAØGEH said that tracking and recovery went very well and most of the trackers were in position to watch the payload come down. We had a couple new trackers that joined us. Marty WAØGEH added that the EOSS tracking brick worked flawlessly.

FAA: Russ KBØTVJ reported that he and Randy received several calls from controllers asking where is our ADS-B. The NOAA ADS-B was not seen by the FAA. The ground station did not see it above about 30K feet. Several trackers did copy the ADS-B above 50K feet. Steve KØSCC recommends that we fly the CU ADS-B whenever we can. Russ stated that it clear that the FAA prefers ADS-B to our APRS data.

Tracker Version Upgrade: Jeff N6BA said that our last update to version 1.2 was in August of 2019 and that version 1.3 will be ready in a couple weeks. Jeff N2XGL is working on the packaging and after testing he will get with Marty WAØGEH to push it out to everybody. Jeff N2XGL will document instructions to obtain vector maps that can't be added to the install package.

Kiosk: Jeff N2XGL said that we need to talk about more robust resources to host the kiosk. As more people access the kiosk the server is becoming overloaded. We need to look into upgrading the current server or looking into a cloud provider.

NOAA Glider Flight Recap: Jim KCØRPS said everything went well on the flight and recovery. If anyone has photos taken during this operation, please send them to Jim KCØRPS. Please turn in mileage so Rob NØRPF can get checks out. On this flight Steve KØSCC added an honorary message for Rick NØKKZ.

GPSL: Marty WAØGEH said GPSL presentations will be via Zoom Meeting on July 10th. Marty asked that anyone interested in giving a presentation to contact him. Jim KCØRPS will check with Bernadette KEØGKI to see if any of the C-Base students would be interested. Marty asked if the group is interested in participating in the virtual launch. Steve KØSCC made a motion for EOSS to launch a qualification flight for the GPSL virtual flight. The motion was passed. Due to COVID-19, participating balloon groups will attempt to launch simultaneously from their home territories. Our launch will be from Deer Trail at 8:00 AM to coordinate with other balloon groups. This will be the 300th flight for EOSS and the 200th flight for Paul Verhage KD4STH. Steve KØSCC made a second motion to live stream portions of launch, track and recovery operations to share with the GPSL community. The motion was passed with Rob NØRPF's offer of support to stitch together live video and position maps. Steve KØSCC has offered to bring his Cradle Point for launch day coverage. Steve KØSCC's third motion is to look into an after-recovery BBQ with a limit of \$1000.00 if COVID-19 regulations allow our gathering. The motion was passed. Marty WAØGEH and Jim KCØRPS will look into arrangements for the event and report back within two weeks.

Upcoming flights: Jim KCØRPS says that Bernadette KEØGKI expects seven or eight payloads to be ready for a flight on August 1st for COSGC. NDIA is scheduled for a flight on October 3rd. There will not be a flight this fall for Gateway to Space.

Meeting adjourned at 09:00 PM

Minutes prepared by David Lanning, Secretary.