



# **WiFiMon in ASNET-AM**

## **Current State and Future Plans**

# Briefly about ASNET-AM



# Current State

ASNET-AM has been using WiFiMon **for 2.5 years** (since 2021)

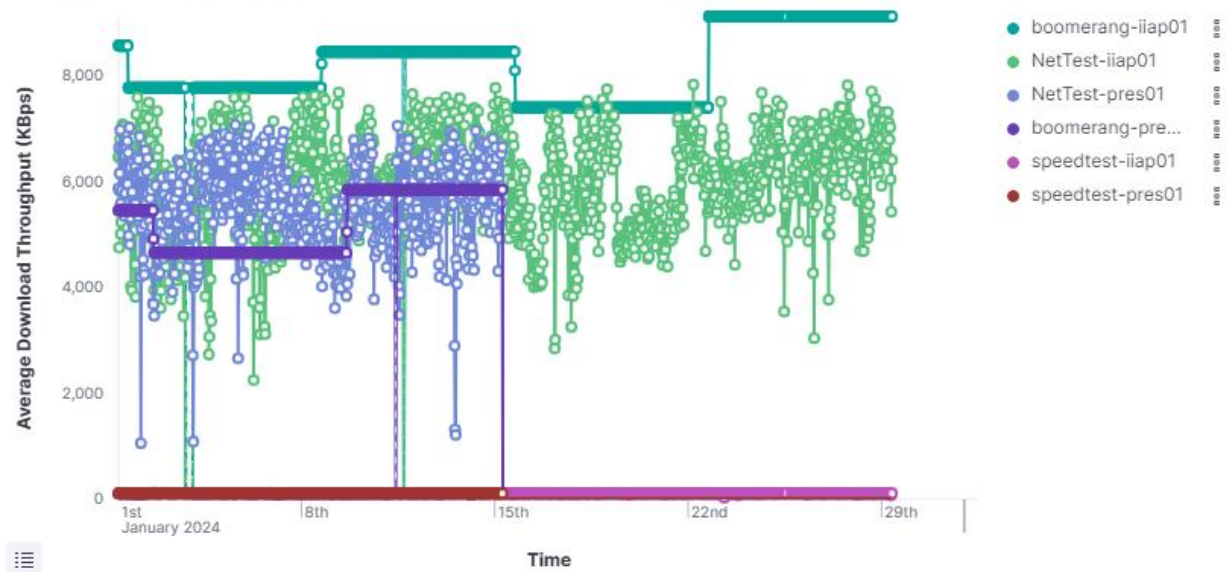
- **Analysis and Test Server** (in one node, v2.2.0)
- **Raspberry Pi WHPs** located in 2 major PoPs of ASNET-AM
- **Software Probe (WSP)** that collects crowdsourced measurements (Laptops, Phones)
- **Monitoring 100+ WiFi users** (researchers, professors, engineers, students)

# Monitoring Eduroam

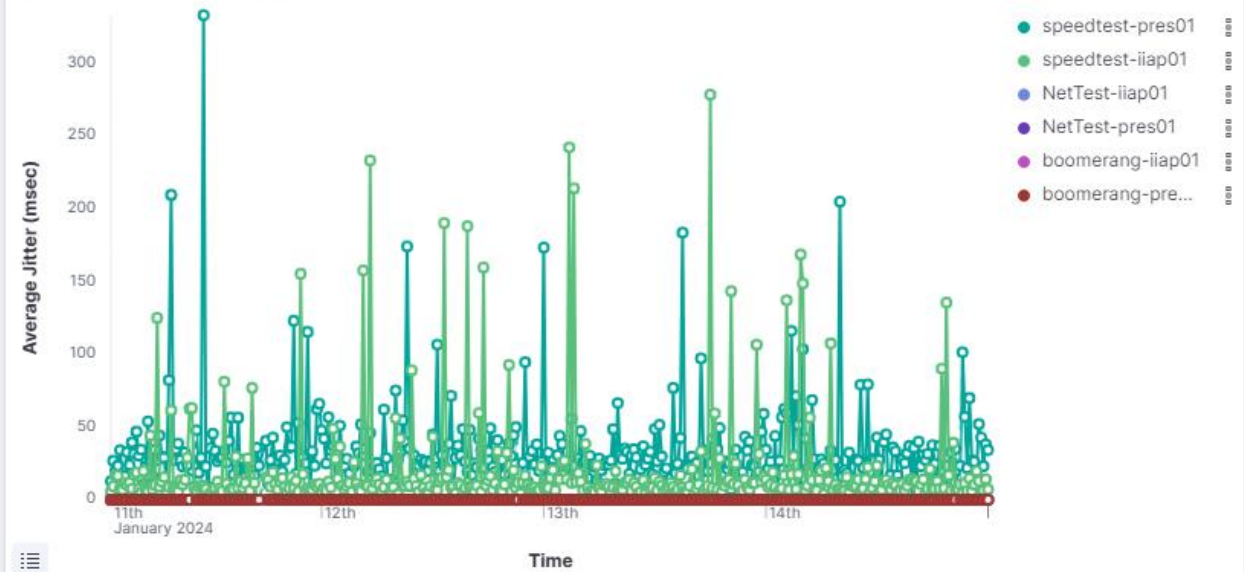
- ASNET-AM provides **eduroam** WiFi roaming environment Armenian research-educational organizations.
- So, we **set up WiFiMon to monitor eduroam** WiFi network.

# Some excerpts from our monitoring

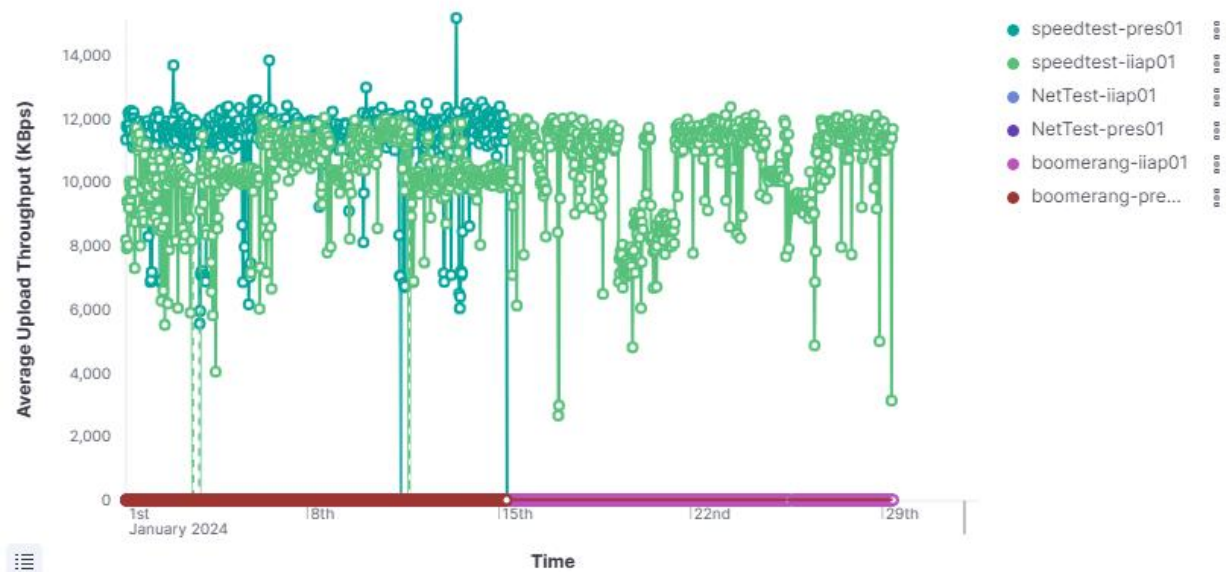
Average Download Throughput for WiFiMon Hardware Probes (per Test Tool)



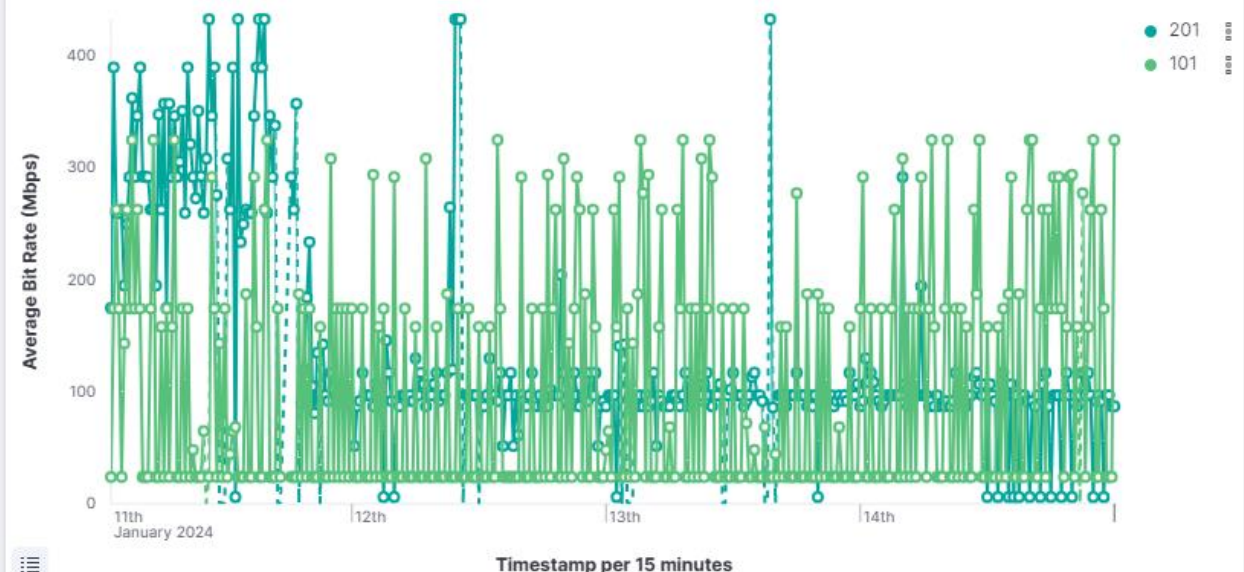
Average Jitter for WiFiMon Hardware Probes



Average Upload Throughput for WiFiMon Hardware Probes (per Test Tool)



Average Bit Rate for WiFiMon Hardware Probes (per Probe)



# Future Plans

- Involve other scientific and educational organizations in our network to use WiFiMon.
- Study and launch correlating performance measurements with RADIUS and DHCP logs.