MOSAiC tower-data-acquisition ingest of ozone sampler and Picarro

1 message

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During the simulated tower-data-acquisition tests in the lab, there were two data streams, namely the ozone sampler and Picarro, that were converted from serial to
ethernet using MOXA devices. The attached pdf file documents the MOXA settings that were used to convert these data streams. The critical settings have been
highlighted in red (Note: the TCP-packet size was changed to 20 bytes; it was 6 in earlier tests).

Both the Ozone sampler and Picarro will physically reside in a hut some distance (50 m?) from the tower. The native serial streams will be converted to ethernet in
the hut, and the two converted ethernet streams will plug into a dedicated ethernet switch in the hut that will be isolated from VPN/ship ethernet traffic. A third
ethernet cable will then run from the dedicated hut switch to the switch inside the tower-computer box (located at the base of the tower) that plugs into NIC #2 of the
tower computer.

📄 **MosaicTowerMoxaSettings.pdf**
158K