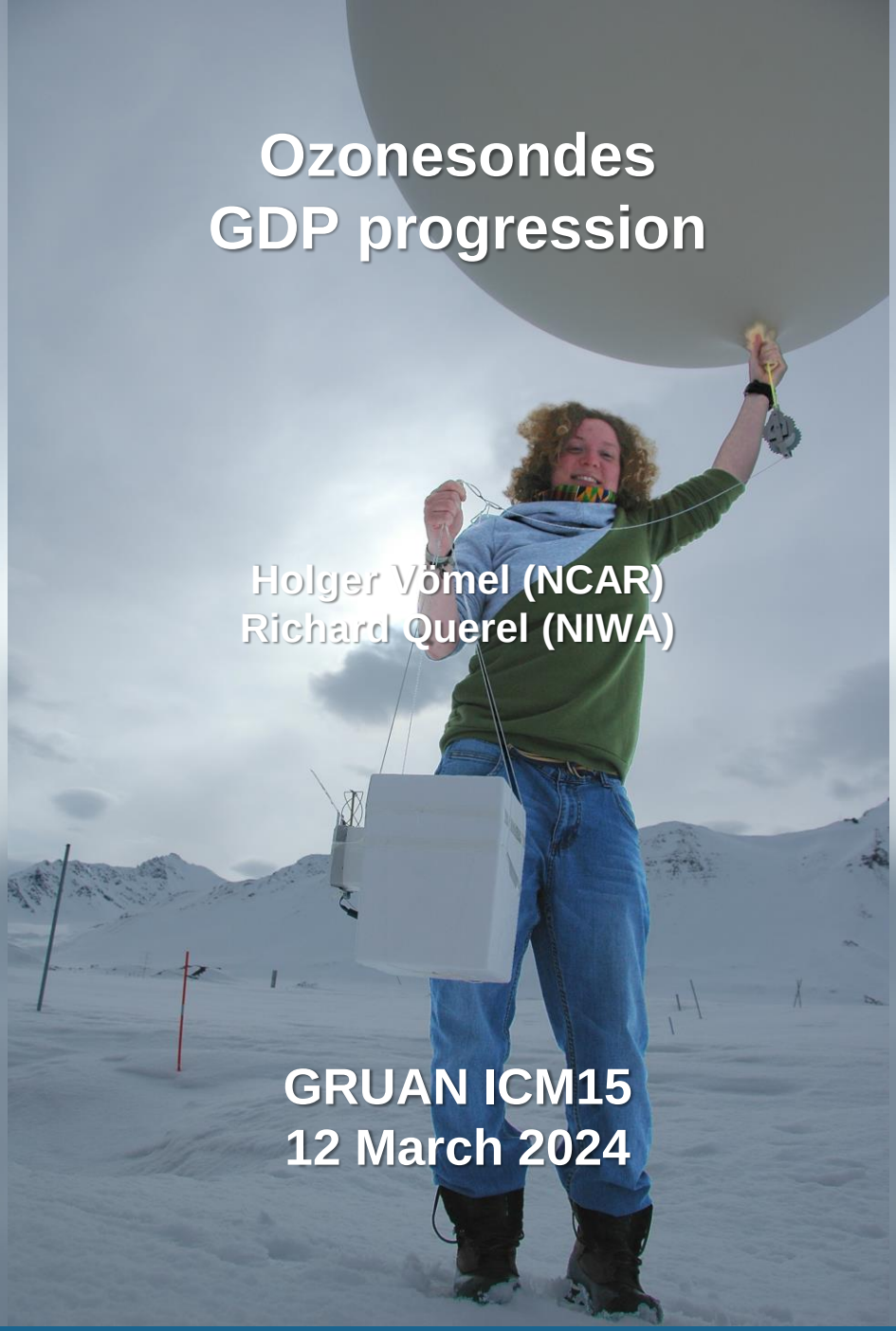
Ozonesondes
GDP progression



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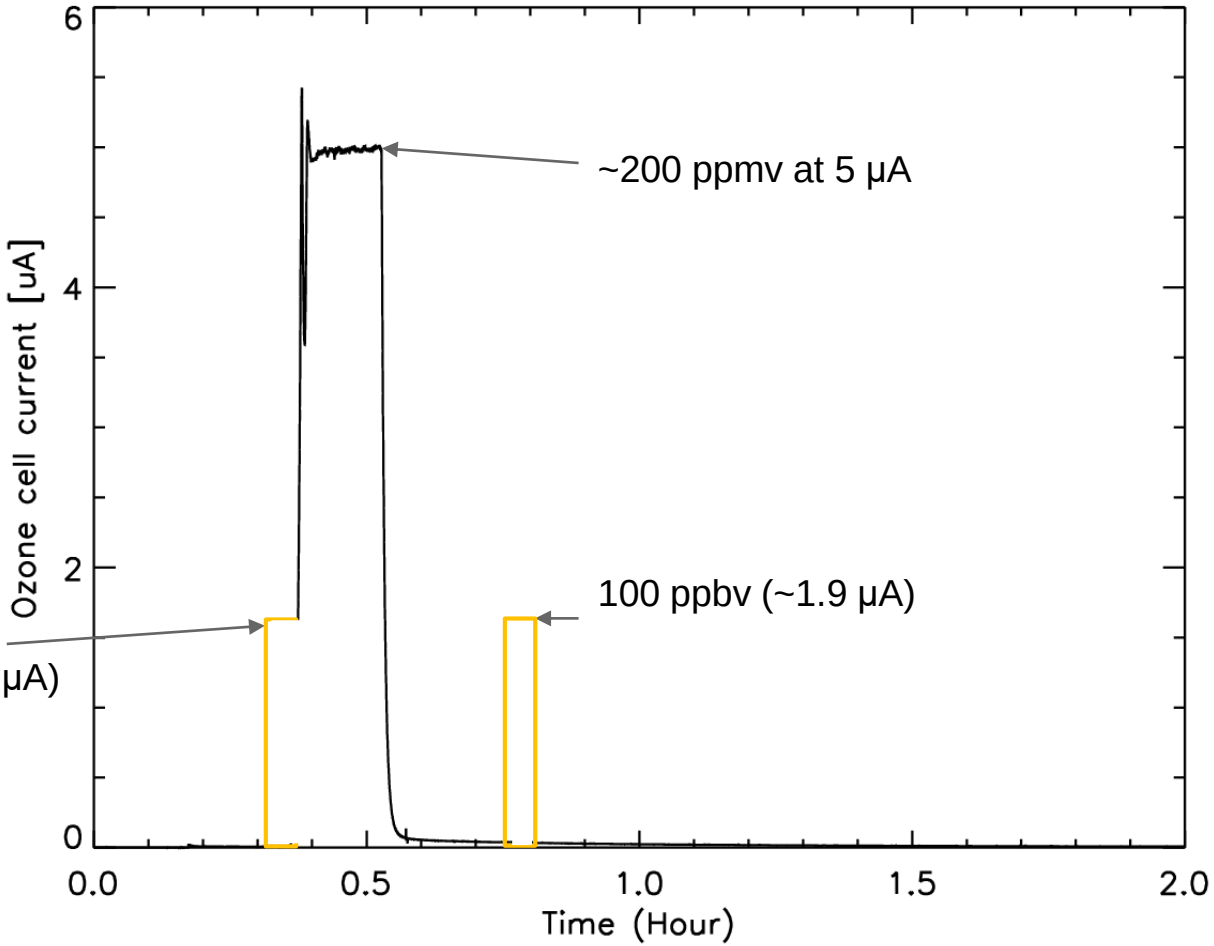
GRUAN ICM15
12 March 2024

This material is based upon work supported by the National Center for Atmospheric Research, which is a major facility sponsored by the National Science Foundation under Cooperative Agreement No. 1852977.

Proposal during last ICM on Reunion Island

- Establish traceability to become less dependent on manufacturer
- Remove/minimize known systematic biases, which are ignored in standard processing (remain consistent with GAW 268).
- GRUAN ECC product will become anchor observation for all other stations → Identify potential issues early
- Make sure that GRUAN stations provide homogeneous data set, despite heterogeneous instrumentation → Centralized processing

Manufacturer independent ground check



Progress since last ICM on Reunion Island

- Refined ground check correction procedure
- Payerne implemented humidity correction -> Much better quantitative agreement between reference and sonde during ground check.
- Payerne tested 100 ppmv level prior to their routine 200 ppmv level, which creates a small influence on the quantitative comparison.
  Details are to be discussed.
- Payerne has a long record of this metric, which is extremely valuable

Progress since last ICM on Reunion Island

- Lauder created a quantitative ground check, including humidity correction and proper surface observations
- Results are extremely encouraging and show good agreement between their reference and the ozone sondes
- Boulder did tests on the 100 ppbv exposure for different solutions. Needs to be compared to Payerne

Next steps

- Set up a meeting with the groups involved and discuss the results so far.
- Agree on a common procedure for the additional ground check!
- Get larger data set from GRUAN lead center and develop processing routines