

Audit Report

Global Atmospheric Watch Station „Chacaltaya“, Bolivia

Auditor: Kay Weinhold

Date: June 03 to June 10, 2017

The fourth official audit on the mountain station “Chacaltaya”.

General

I found the station in good condition. Manuals for the instruments and written logbooks have been available at the station. Since many years, the MPSS system is running with an old WIN XP machine from TROPOS. Several small crashes and overloading of the harddisk made it necessary to think about using a new PC. However, it was also necessary to update the TROPOS MPSS Labview version. For that, it was necessary to update the whole hardware and software to the latest generation. The MAAP was running with a separate PC to log the data.

TROPOS got a new PC from University of La Paz. TROPOS modified the hard- and software by installing WIN 10, the newest driver version from NI-card, and the last TROPOS MPSS Labview version 6.66 to operate the MPSS and MAAP. It was not possible to run the total TSI CPC Model 3772 with the TROPOS software because of missing connections. For data logging, we installed the TSI Software and Fernando got an instruction how to use and process the data.

Futuremore, we used the time and gave the whole group of “Chacaltaya” instructions on the new MPSS and MAAP software.

Listing all operating systems:

- **Scanning Mobility Particle Sizer (MPSS)**
 - **MPSS system is working well after changing the PC. We did a whole check of the system and calibrated the flow. Fernando received instructions on how to use the new latex calibration software.**
- **Multi-Angle Absorption Photometer (MAAP)**
 - **It is working well. We did a whole check of the system and calibrated the flow. Since this time (June 2017), the data logging of the MAAP done over the MPSS system.**
- Aethalometer (Magee Sci.)
- Nephelometer (Aurora Tech.)
- Neutral Cluster and Air Ion Spectrometer (NAIS)
- Thermo Scientific Model 49i Ozone Analyzer
- Carbon monoxide analyzer Horiba APMA-370



- High-Volume Sampler
- Carbon dioxide analyzer
- Automatic Weather Station (AWS)

Conclusion:

The station is working properly. The instruments are connected to internet and available via Teamviewer.