AEROSITE: Autonomous Environmental and Scientific SWGO site Characterization Instrument

Executive summary

L. Chytka, D. Mandát, M. Pech, D. Staník, J. Vícha, P. Trávníček, M. Boháčová, P. Tobiška, T. Bulik, M. Cieślar, M. Suchenek for the SWGO Collaboration

July 2021

The poster presents current status of the AEROSITE: Autonomous Environmental and Scientific SWGO site Characterization Instrument, an off-grid environmental monitoring device to be deployed on four SWGO (Southern Wide-field Gamma-ray Observatory) candidate sites. AEROSITE stations will provide reliable data from crosscalibrated instruments for the site environment evaluation. We have prepared the stations, performed the cross-calibration campaign and climate chamber tests. The stations are currently being shipped to selected candidate sites and will be installed by local institutions personnel.