

Ground-based instrument	Wavelength, size (nm)	Quantities*	Δt (min)	Station
AWI aerosol Raman lidar KARL	355, 387, 407, 532, 607, 660, 1064	σ_{ext}	30	village
AWI sun photometer SP1a	369, 381, 413, 500, 610, 674, 779, 860, 945, 1023	τ, α, PW	1	village
Scanning mobility particle sizer spectrometer SMPS 3034	10–487	ASD	10	Gruvebadet laboratory
Aerodynamic particle sizer APS 3321	523–20 000	ASD	10	Gruvebadet laboratory
Particle soot absorption photometer	467, 530, 660	σ_{abs}	60	Gruvebadet laboratory
Nephelometer M903	530	σ_{scat}	60	Gruvebadet laboratory
Pyranometer	200–3600	$F_{\text{in}}, F_{\text{out}}$	1	village