



Intercomparison of Rosen-Kjome Backscatter Sonde and COBALD from balloon flights in the tropical UTLS

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In August-September 2008 four lightweight balloons were launched to approx. 30 km altitude from Niamey, Niger, with a flight-train containing a COBALD (Compact Optical Backscatter AeroSoL Detector) a Rosen-Kjome Backscatter Sonde an ozone sonde and in three instances a FLASH-B stratospheric hygrometer. The data from the intercomparison flights are used to evaluate the performance of COBALD and intercalibrate the two generations of backscattersondes.