

Interactive comment on “A permanent raman lidar station in the Amazon: description, characterization and first results” by H. M. J. Barbosa et al.

Anonymous Referee #2

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The paper presents the performances of a permanent UV Raman Lidar continuous monitoring aerosols and water vapor in central Amazon since July 2011. The automated data acquisition and internet monitoring is a valuable asset extending the hours of daily measurements. The paper provides a detailed technical description of the system, its experimental characterization and the algorithms used for obtaining the aerosol optical properties and identifying the cirrus clouds. Data from one week of measurements during the dry season of 2011 were analyzed as a mean to highlight the overall system capability and performance. The authors give proper credit to related work and clearly indicate their own new/original contribution. The description of experiments and

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calculations is complete and precise to allow their reproduction. The overall presentation is well structured and language is clear fluent and precise. Technical suggestions—“Raman” in the title should be capitalized and also in the caption of Fig 12 and on page 22 line 18 –Page 2 line 21- “Amazonia” instead of Amazônia –Page 20 line 6-“on” instead of “at” 5 September –Page 20 line 9 “during” instead of “at” this period –Page 20 Line 18 “on” instead of “in” 1,3 and 5 September –Page 21 line 23 please delete,” after “4.14(11)” –Page 39 Caption of Fig 8 use “on” instead of “in” 1 August 2012 –Please do not capitalize “elastic” in the captions of Fig.13,14,16

Interactive comment on Atmos. Meas. Tech. Discuss., 7, 769, 2014.

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