

Interactive comment on “Compilation of ozonesonde profiles from the Antarctic Georg-Forster-Station from 1985 to 1992” by G. König-Langlo and H. Gernandt

J. Shanklin (Referee)

j.shanklin@bas.ac.uk

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Some grammatical corrections are required, and I will be happy to make these. This would be easiest if I could have the paper as a word document.

The table on page 3 omits humidity as a parameter. Wind velocity should read wind speed.

Page 4, lines 15-21 - these values apply to the European location. Fig 2, for example, clearly shows that the mean Antarctic maximum ozone height is less than 20km. There needs to be some discussion on how the errors might differ in the Antarctic atmosphere, particularly bearing in mind the low winter temperatures. The implication of Table 1 is

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that the errors are substantially larger. It is probably fair to assume that the errors in the radiosonde have been documented in WMO sonde comparisons and this could be referenced.

Page 5, lines 15-24 - A synopsis of ozonesonde flights made from Faraday station in 1982 was published in Br Antarct Surv Bull No 69, 1985, pp1-21. In retrospect individual flights do show indications of ozone depletion, although this was not recognised at the time.

Section 2.2 – it may be helpful to document additional related datasets, for example the Faraday one mentioned above. It would also be helpful to give the latitude and longitude of the listed stations, and if possible a location where the data can be found.

Other related datasets might include: Shanklin, J. D.: Balloon-borne ozonesonde flights made from Faraday station, Br Antarct Surv Bull No 69, 1985, pp1-21 http://www.antarctica.ac.uk/documents/bas_bulletins/bulletin69_02.pdf MacDowall, J. and Smith, J. A.: Ozone soundings, The Royal Society I.G.Y. expedition, Halley Bay, 1955-59, Vol III, pp98-110

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