

1. Range of data is sometimes 1980-2016, sometime 1980-2017, sometimes 1980 until today (abstract, section 2.4, conclusions). Please homogenize.

Writing has been homogenized to say 1980-2017 in all 3 sections.

2. Levin et al. 2010 is given for reference of Heidelberg data from Cape Grim, e.g Fig 1. However, there are data after 2010 contained in Fig 1, which cannot be part of Levin et al. 2010. So, either add another paper for them or a data reference where the data are found.

Additional citation added:

Levin, I., Hammer, S., 2022. Supplementary data to Levin et al. (2022), Continuous measurements of $\delta^{14}\text{C}$ in atmospheric CO_2 at Cape Grim, 1987-2016.

<https://doi.org/10.18160/8F31-EQDJ> citation has been added to cover Cape Grim data post 2010.

Additional notes

Additional slight changes to text have been made for clarity on lines 263-265 and 278-280 (Line numbers refer to document with track changes).

"In Turnbull et al., (2017), the authors publish Baring Head and Eastbourne tree-ring $\delta^{14}\text{C}$ measurements, and provide a rigorous comparison to show that the Wellington $\delta^{14}\text{CO}_2$ record agrees well with atmospheric measurements from Cape Grim, Australia (Levin et al., 2010, 2022). An additional two-year site-site intercomparison provides confidence that Cape Grim and Baring Head are not different (Fig 1. (c))."

"However, an important consideration is that the records and results we show were all sampled, processed, and measured identically, meaning results from Campbell Island are best viewed relative to other sites from this work. Additionally, low values at Campbell Island can be validated by matching the Macquarie Island record (see below), where interlaboratory offsets between the two institutions have been investigated and none found (see Baring Head versus Cape Grim above and Hammer et al., (2017))."