

## ***Interactive comment on “Reconstructing the glacier contribution to sea-level rise back to 1850” by J. Oerlemans et al.***

**M. Pelto**

mspelto@nichols.edu

Received and published: 29 June 2007

A very succinct explanation of converting glacier retreat to sea level rise. I have two questions, 1) I agree that Equation 2 is an appropriate and practical means of determining the change in thickness from length. However, for Equation 2 can you provide any tabular or graphical data illustrating the comparative accuracy of the method. I would anticipate you have done this for at least some of the glaciers comparing the actual change in length and thickness to that determined from Equation 2. 2) I am bothered by the lack of data from Alaska. I am curious as to why only Portage Glacier from southern Alaska is utilized, when excellent terminus change data is available from approximately 1900–2000 on many glaciers around Glacier Bay, Juneau Icefield, Yakutat Bay and College Fjord. Lemon Creek Glacier, Taku Glacier, Mendenhall Glacier, Columbia Glacier,

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper

Le Conte Glacier, Hubbard Glacier, Burroughs Glacier, Yakutat Glacier, Brady Glacier and Muir Glacier to name just a few examples. What can be done to make sure this data get included in future iterations?

---

Interactive comment on The Cryosphere Discuss., 1, 77, 2007.

TCD

1, S3–S4, 2007

---

Interactive  
Comment

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper