Lines 70-73: Moved to the end of the previous section. We think it fits better there. Now it's line 63-66

Lines 230 -234:

A similar dependency emerges for our Greenland ice core calculating a local summer insolation forthe NGRIP drill site. A maximum correlation between T AC and ISI is found for w_0 = 320W m^−2, substantially less than the 380 W m^−2 used by Raynaud et al. (2007) for the Antarctic EPICA Dome C (EDC) ice core. The correlation difference between 380 and 320 W m^−2 is however small and the threshold does not alter the shape of the ISI much.

Changed to:

A similar dependency emerges for our Greenland ice core calculating a local summer insolation for the NGRIP drill site. A maximum correlation between T AC and ISI is found for w 0 = 390W m^−2, compared to 380 W m^−2 used by Raynaud et al. (2007) for the Antarctic EPICA Dome C (EDC) ice core. The correlation difference between 380 and 390 W m^-2 is however small and the threshold does not alter the shape of the ISI much.

Lines 266-267:

For the best linear fit we estimate a sensitivity of T AC on the local integrated summer insolation above 320 W m^−2 of –0.08 mL m^2 kg^−1 W^−1 with an r^2 of 0.3.

Changed to:

For the best linear fit we estimate a sensitivity of T AC on the local integrated summer insolation's energy input above 390 W m^−2 of –5.7×10^−9 mL kg^-1 J^−1 with an r^2 of 0.3.

Lines 280-282:

If we exclude these two points and correlate the sISI with the T AC* from the top only until 109 kyr, r^2 increases to 0.48, while the absolute changes in T AC are still larger than expected from altitude changes in models.

Changed to:

If we exclude these two points and correlate the sISI with the T AC* from the top only until 109 kyr, r^2 increases to 0.45, while the absolute changes in T AC are still larger than expected from altitude changes in models.

Figure 5:

sISI looks differently now, due to different threshold and summing. Also the caption changed accordingly.

Figure 7:

sISI both for Greenland and EDC look differently, due to different threshold and summing. Also the caption was changed accordingly.

Figure 9:

The ruby lines and dashed grey lines were thickened, for better visibility.

Table 3. The values and caption were updated.

In general, some commas and grammatical corrections were added, nothing major.