Response to the 3rd Review of “Evaluation of the ECHAM family radiation codes performance in the representation of the solar signal” by T. Sukhodolov et al.

Scaling coefficients:
We recalculated our coefficients using the least squares approach. The explanation is added to the text in chapter 4 and the demonstration of the absolute values results is added to figure 5. All following pictures are also changed.

Nissen et al.:
This paragraph is reformulated accordingly to the reviewer comments.

Discussing the results of figure 3:
Clarification added

“replace ... underestimate ... with ... overestimate ...”
“replace ... underestimation ... with ... overestimation ...”
“replace ... (E5) ... with ... (E5c) ...” All are replaced

Technical corrections:
All are corrected except “replace (Formichev (2009)) with (Formichev, 2007)”. The reference was correct.

List of relevant changes

1. Section 1
2. Slightly section 3.
3. Section 4 and 4.1
4. Several small corrections throughout the text
5. List of references
6. Figures 5, 6 and 7
7. Table 2