

The Simons Observatory: Pipeline comparison and validation for large-scale B -modes. Author Supplement

THE SIMONS OBSERVATORY COLLABORATION

1. AUTHOR CONTRIBUTIONS

We include a list of (optional) sentences from coauthors documenting their contributions.

Kevin Wolz led the development and testing of pipeline A, contributed to the writing of Sections 1, 2.1, 4.1, 4.2, 4.3, 5 and 6, developed code for the cross-pipeline comparison, and coordinated responses to internal reviewers.

Susanna Azzoni led the development and testing of the moment expansion for pipeline A, contributed to the writing of Section 1, 2.1, 4.1, 4.2, 5 and developed code for the cross-pipeline comparison.

Carlos Hervías-Caimapo led the development and testing of pipeline B, and contributed to the writing of Section 1, 2.2, 4.1, 4.2, 4.3, 5 .

Josquin Errard led the development and testing of pipeline C, contributed to the writing of Sections 1, 2.3, 4.1, 4.2, 4.3, 5 and co-led the B -modes Analysis Working Group (BB AWG).

Nicoletta Krachmalnicoff generated the simulations on which this work is based, contributed to the writing of Sections 1, 3.1, 3.2, 3.3, 4, 5 and liaised with the Foregrounds Analysis Working Group.

David Alonso led the first stages in the development of pipeline A (with and without moments), contributed to the writing of Sections 1, 2.1, 4.1, 4.2, 4.3, 5 and 6, and co-led the BB AWG.

Carlo Baccigalupi participated to the development of this paper at various stages, including a dedicated meeting in Oxford, contributing mostly to the characterization of results and comparisons of pipelines, in Section 4 and 5, as reflected in particular by Figure 11.

Antón Baleato Lizancos reviewed the paper at the final stages and provided feedback.

Michael L. Brown reviewed the paper at the final stages and provided feedback.

Erminia Calabrese contributed to discussion and management of the BB AWG work, reviewed the paper at the final stages and provided feedback.

Jens Chluba reviewed the paper at the final stages and provided feedback.

Jo Dunkley reviewed the paper at the final stages and provided feedback.

Nicholas Galitzki contributed as a collaboration internal reviewer for the paper.

Baptiste Jost contributed to the development of fgbuster used by pipeline C.

Magdy Morshed contributed to pipeline C, and reviewed the paper at the final stages.