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Simons Observatory's Small Aperture Telescopes : Updates on the survey and data analysis pipeline

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The Simons Observatory (SO) is an ensemble of telescopes located in the Atacama Desert in Chile, targeting the detection of primordial B-modes in the polarization of the cosmic microwave background (CMB). The Small Aperture Telescopes (SATs) have been taking data for over a year and have already delivered their first CMB maps, which are currently under analysis. In this talk, we will present the first SAT maps and provide an update on the current status of the survey and data analysis challenges, focusing on our filter+bin map-making and on Megatop, one of the pipelines being developed within the collaboration to go from the maps to r .

[complementary to Thibaut Louis' talk]

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