



GISMO: a summary of many years of observations at the IRAM 30m telescope, and lessons learned for the design of GISMO-2

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The GISMO 2 mm bolometer camera on the IRAM 30m telescope has been available to the astronomical community for many years. GISMO provides observational capabilities across a wide range of astronomical targets, including observations of galactic dust and free-free emission, the characterization of the SEDs of nearby galaxies, detecting dusty galaxies at very high redshifts, and measurements of the Sunyaev-Zel'dovich decrement in the Cosmic Microwave Background Radiation, which traces the evolution of massive galaxy clusters throughout the history of the universe.

We will provide a brief overview over some of the science highlights obtained with GISMO and summarize the performance of the camera. We will then describe the design and expected performance of GISMO's successor, GISMO-2, which is a dual color camera, operating in the 1 and 2mm bolometer bands. The design of this camera was strongly driven by the lessons we learned from GISMO.