



IMAGE: ILLUSTRATION OF THE SRG WITH EROSITA AND ART-XC/DLR

DOUBLE TAKE

*MAX PLANCK INSTITUTE FOR
EXTRATERRESTRIAL PHYSICS*

Intergalactic: the eROSITA space telescope (pictured on the left) has captured the x-rays emitted by a record-breaking 900,000 objects from all directions by scanning space in a series of pirouettes.

Motion is necessary, because even when all seven individual telescopes are combined, the field of view is still very small, roughly equivalent to the area your fingernail would cover if you held out your arm to the sky. The German data (right) depicts high-energy x-rays as blue and low-energy x-rays as red. Only higher energy x-rays can penetrate the dust and gas in the Milky Way. The brightest point at the center of the image corresponds to the Vela supernova remnant, while the points of light beyond the Milky Way can mostly be attributed to active galactic nuclei. Their distribution and dynamics in intergalactic space provide clues to how the universe developed.

47

IMAGE: MPE, J. SANDERS FOR THE EROSITA CONSORTIUM