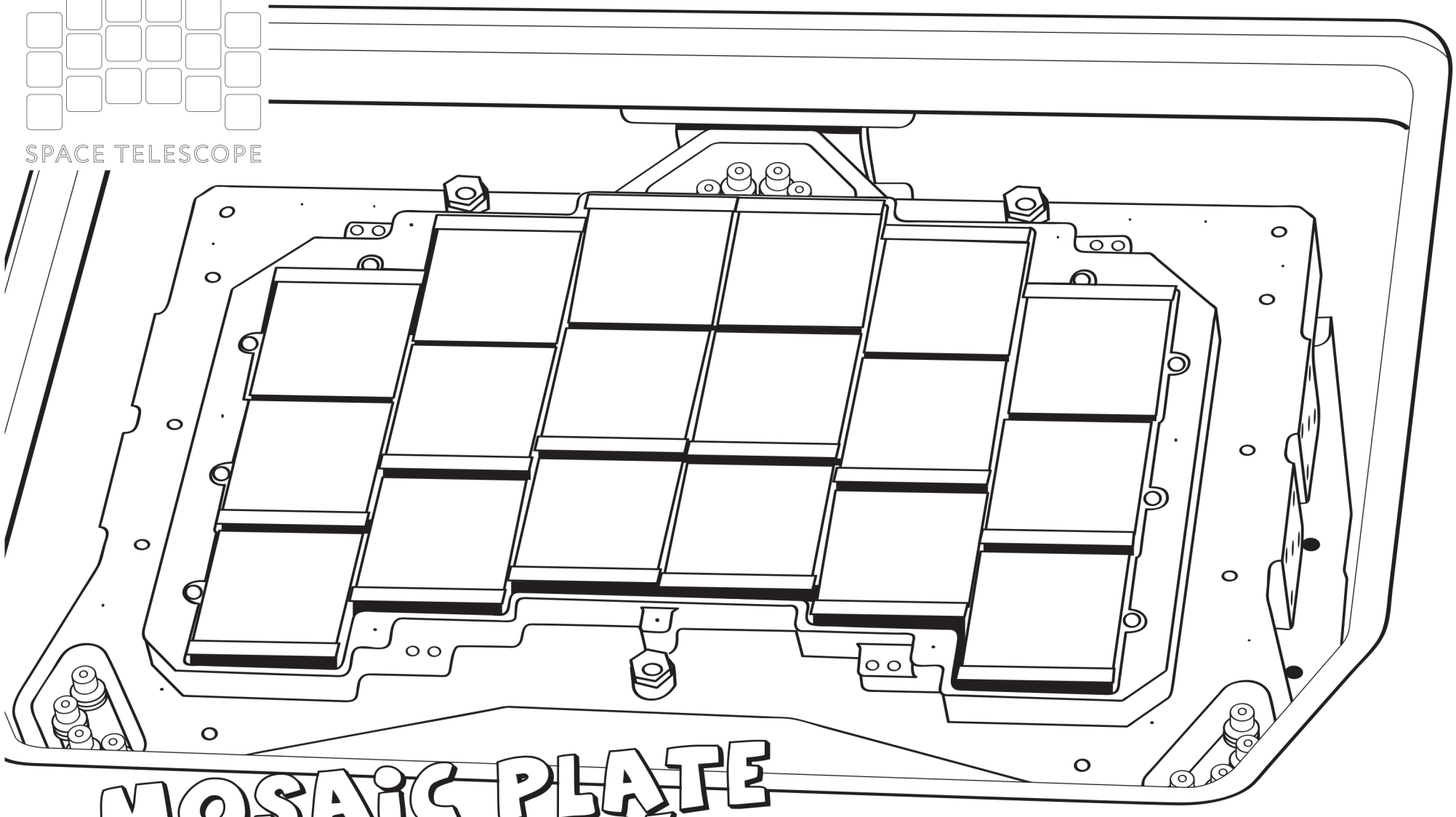
NANCY GRACE ROMAN SPACE TELESCOPE

National Aeronautics and Space Administration



MOSAIC PLATE ASSEMBLY

The Roman Space Telescope Mosaic Plate Assembly is the heart of the Roman Wide Field Instrument (WFI). Each of these 18 detectors contains more than 16 million pixels that collect visible and infrared light emitted by astronomical sources. The detector array mosaic will enable the WFI to perform deep surveys of large portions of the sky to study dark energy, exoplanets, and more.