NGC 6338 is a system where two groups of galaxies are slamming into each other at millions of miles per hour. This image contains X-ray data from Chandra (red) that shows hot gas with temperatures upward of about 20 million degrees Celsius, as well as cooler gas that also emits X-rays detected with Chandra and ESA's XMM-Newton, another orbiting X-ray telescope (blue). The X-ray data have been combined with an optical image from the Sloan Digital Sky Survey, showing the galaxies and stars in white. Credit: X-ray: Chandra: NASA/CXC/SAO/E. O'Sullivan, XMM: ESA/XMM/E. O'Sullivan; Optical: SDSS