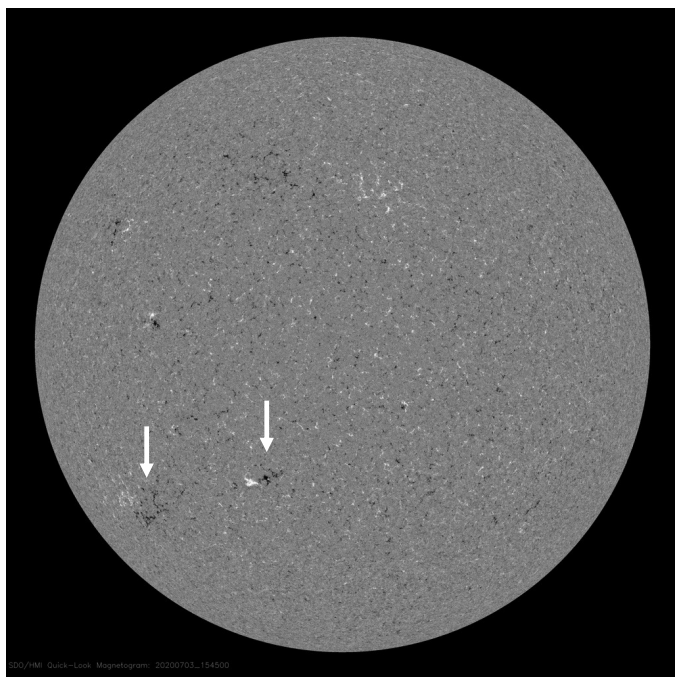
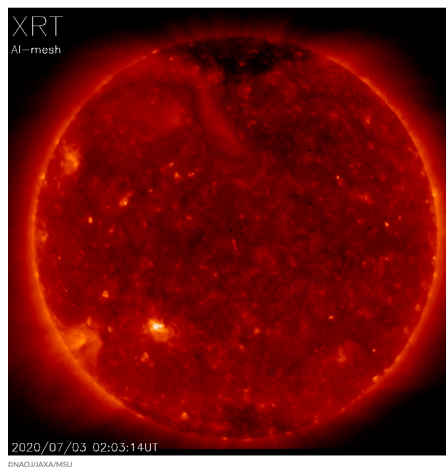


## Solar & stellar X-ray emitting, magnetically heated coronae



Line-of-sight magnetic field on solar surface, 10 – 100 Gauss on black(-)/white(+) scale, arrows locating bipolar sunspots.  
NASA Solar Dynamics Observatory – Helioseismic & Magnetic Imager, July 3, 2020



X-ray solar corona at  $\sim 3 \times 10^6$  K, X-ray intensity in spatial correlation with surface-field.  
JASA/NASA Hinode Observatory, July 3, 2020



A field of stellar coronae in the *Orion Constellation* observed in X-ray. NASA Chandra X-ray Observatory, 2005