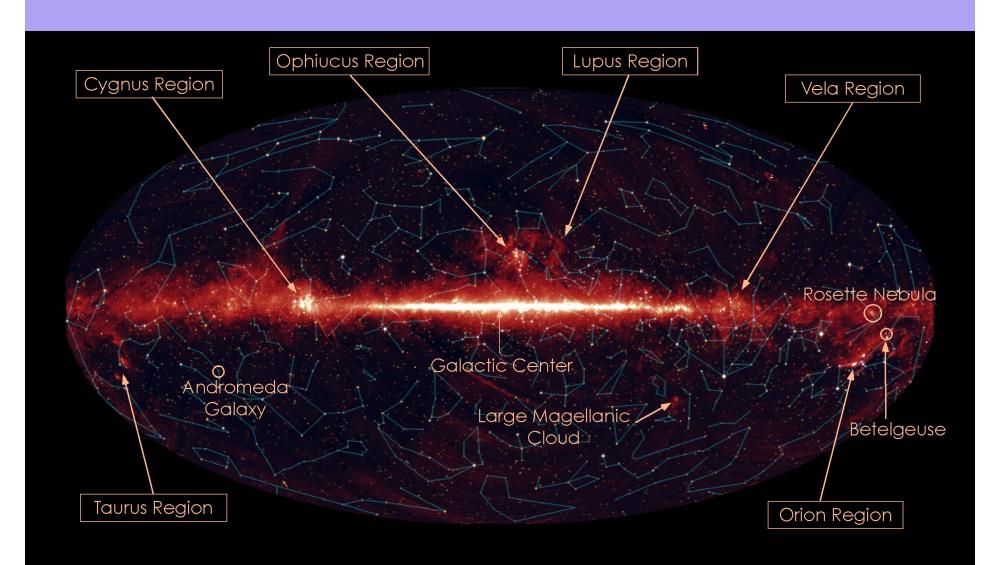
Statistical challenges in the Chandra Cygnus OB2 Survey

Nick Wright

Jeremy Drake, Vinay Kashyap, Tom Aldcroft, Mario Guarcello, Antonella Fruscione

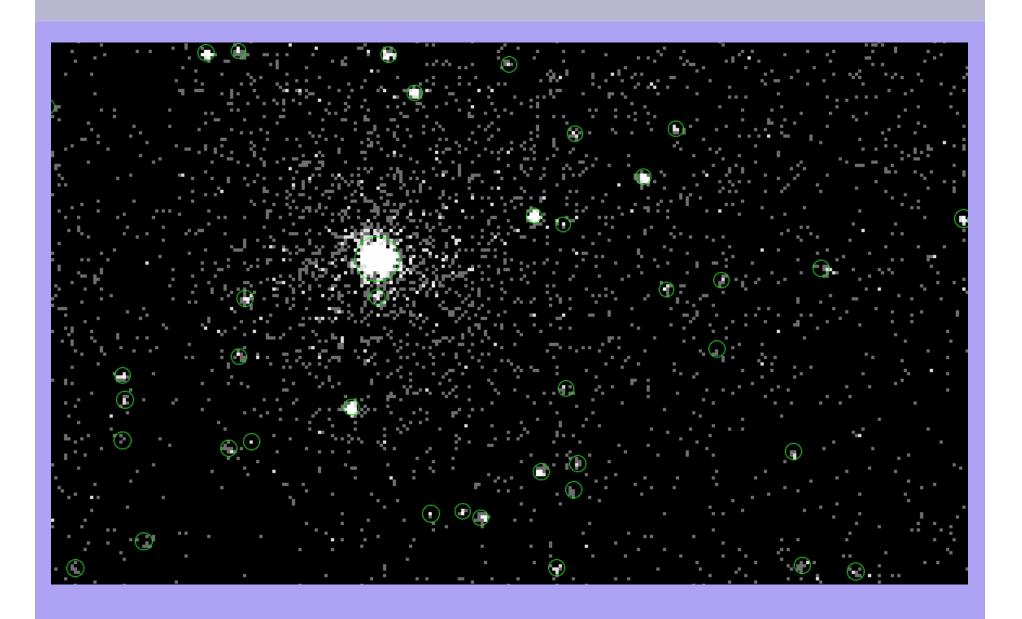


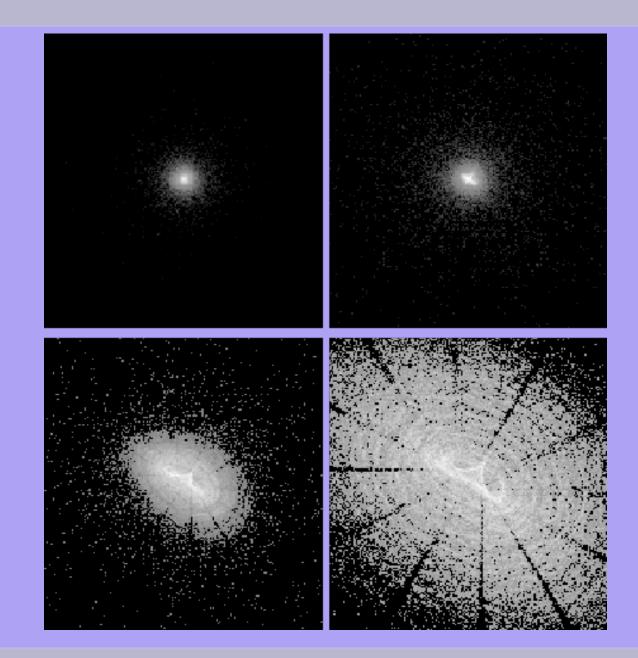


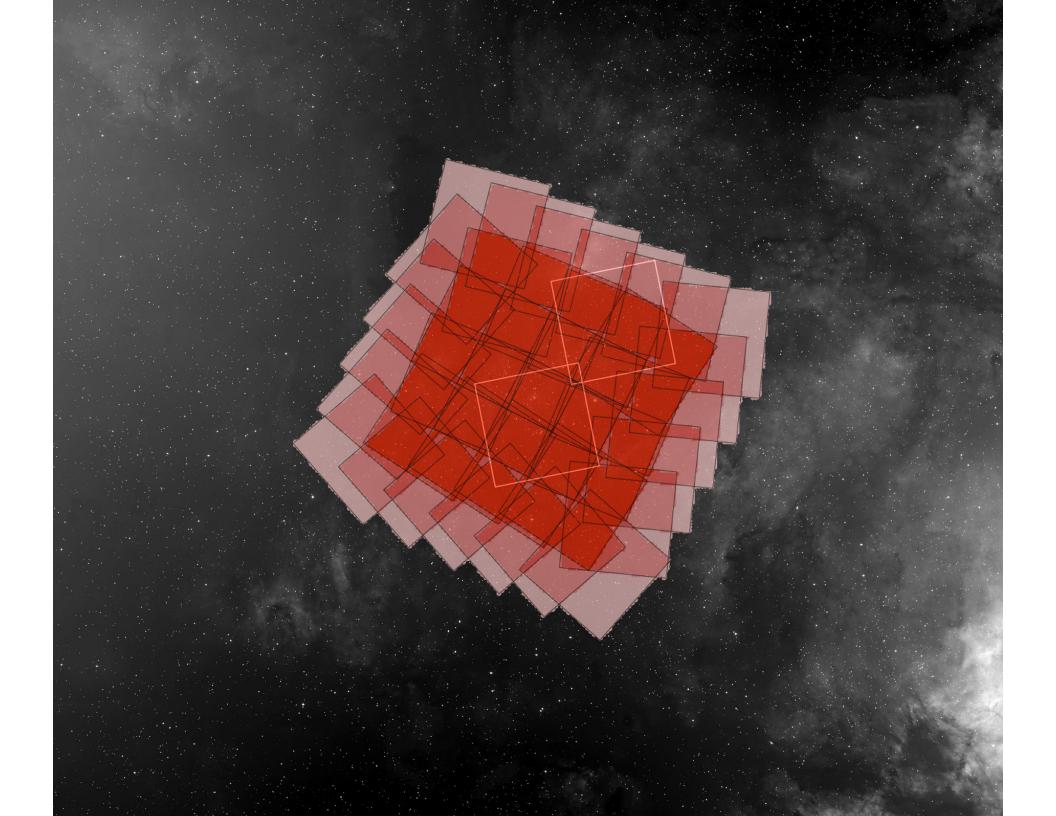


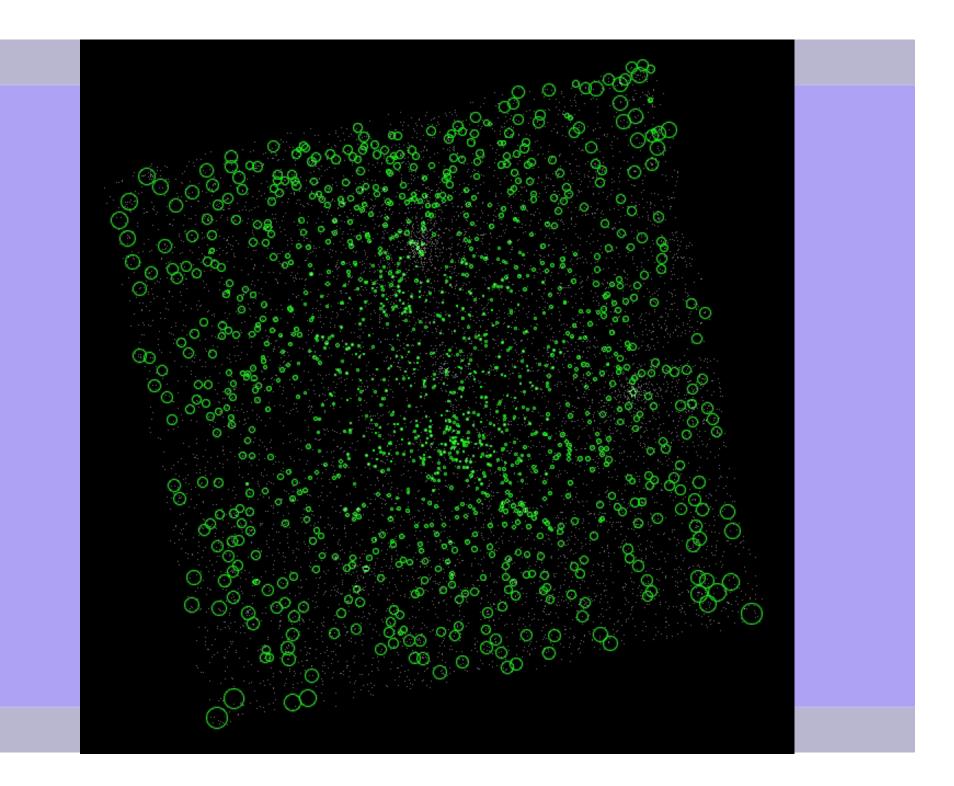


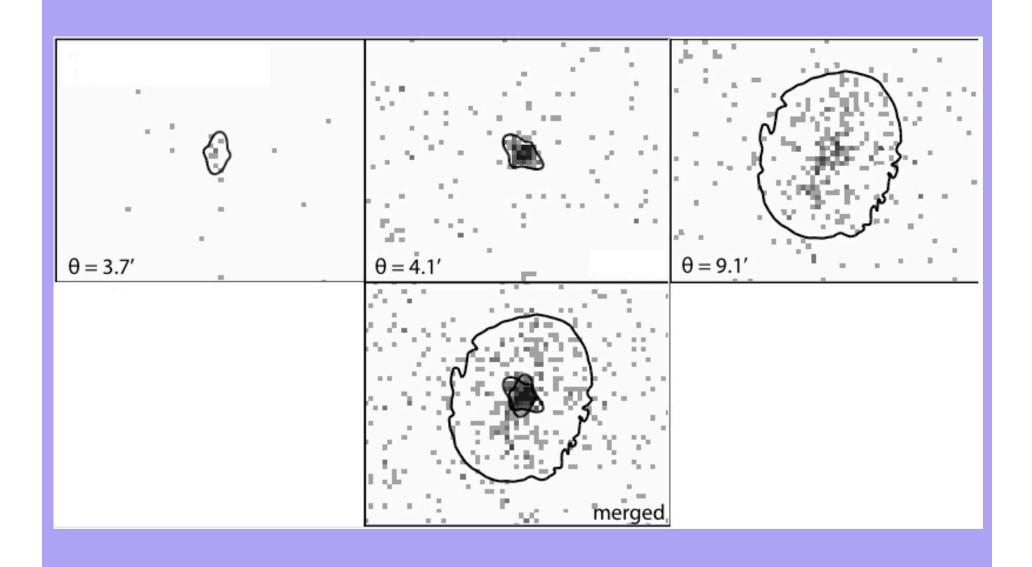
Orion 1 O star 1-2 Myr old 3,000 M_{sun} Cygnus OB2 65 O stars 1-5 Myr old 20,000 M_{sun} 30 Doradus 150 O stars 1-5 Myr old 63,000 M_{sun}

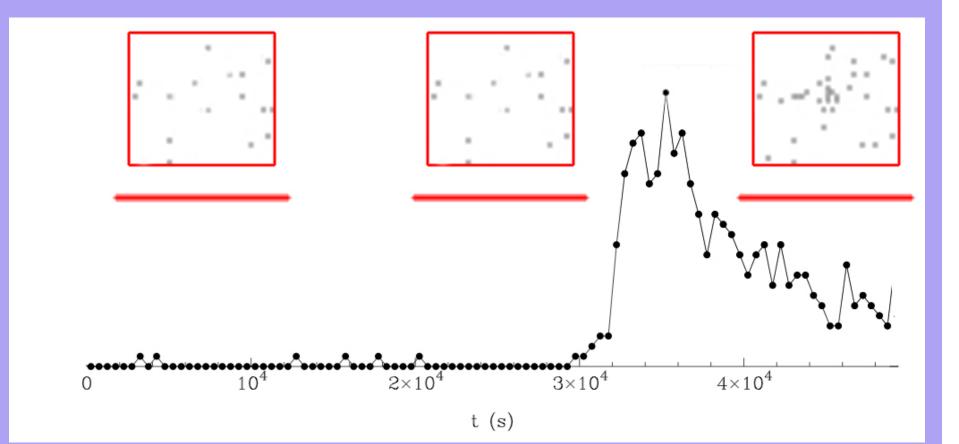




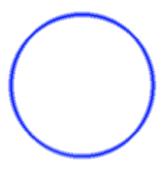




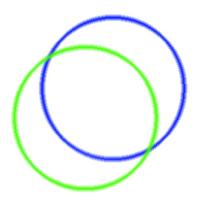




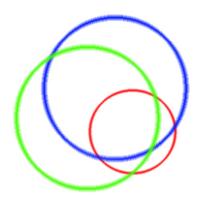




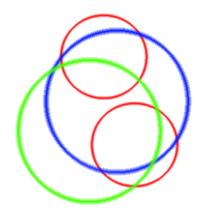
Source detection : 2 overlapping detections = 1 source



Source detection : 3 overlapping detection = 1 source



Source detection : 4 non-overlapping detections = 2 sources



Source detection : 5 non-overlapping detections = 3 sources?

