

Simultaneous optical and X-ray variability in the stars with disks in NGC 2264

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Introduction

The Coordinated Synoptic Investigation of NGC 2264 (Cody et al. 2014; Stauffer et al 2014) is an unprecedented project involving 15 space and ground telescopes, some of which observed NGC 2264 simultaneously, aimed of studying the time variability of young (1-5 Myrs) stars. We present the analysis of simultaneous optical (CoRoT) and X-ray (Chandra/ACIS-I) observations of 74 stars with disks.

Analysis of the simultaneous CoRoT and ACIS data

We analyze the white flux CoRoT light curves and the X-ray properties of stars with disks detected both with CoRoT and Chandra. CoRoT light curves are cleaned following the standard reduction pipeline. ACIS events are extracted with ACIS Extract (*Broos et al. 2010*); spectral analysis performed with Xspec v.12.8.1 (*Arnaud 1996*).

