

Comenius project « In orbit with Europa »

Observation de l'objet AX 1740 dans le cadre du programme ToD proposé par Alison Tripp (Faulkes Telescope Project Administrator).

Below you will find your observing instructions for the Themed observing Day, 21st June 2013:

Object Name: AXJ1740

RA: 17 40 16.1

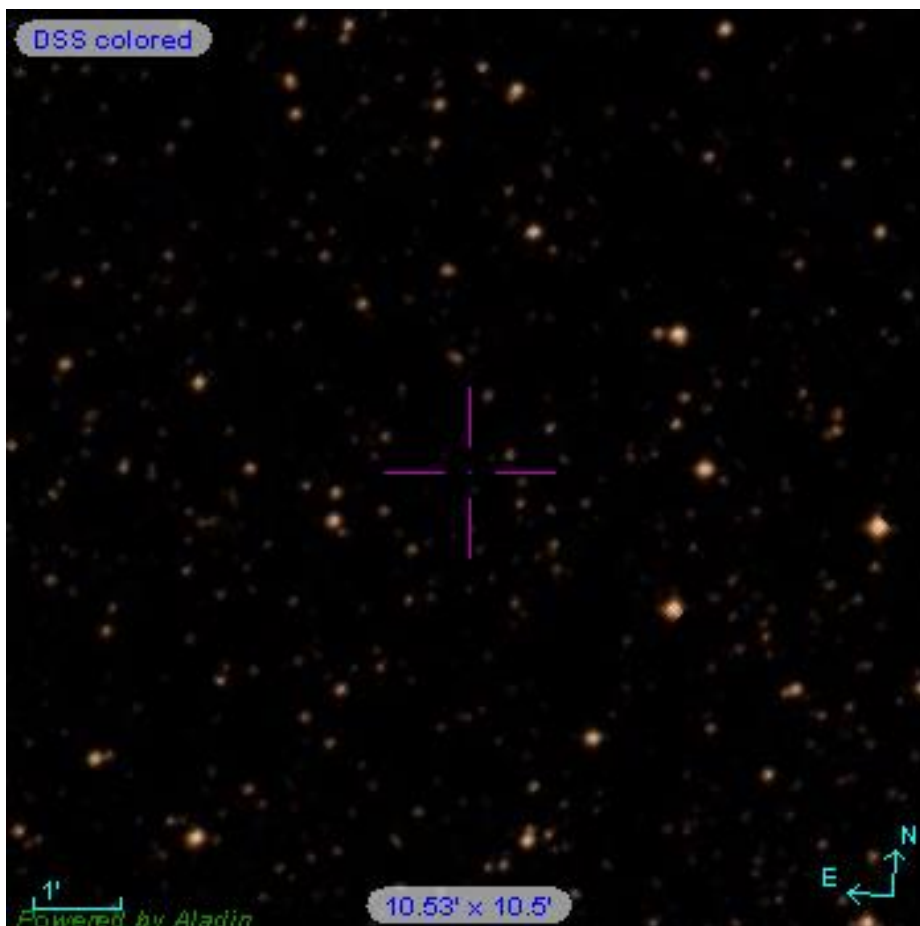
Dec:-29 03 37.9

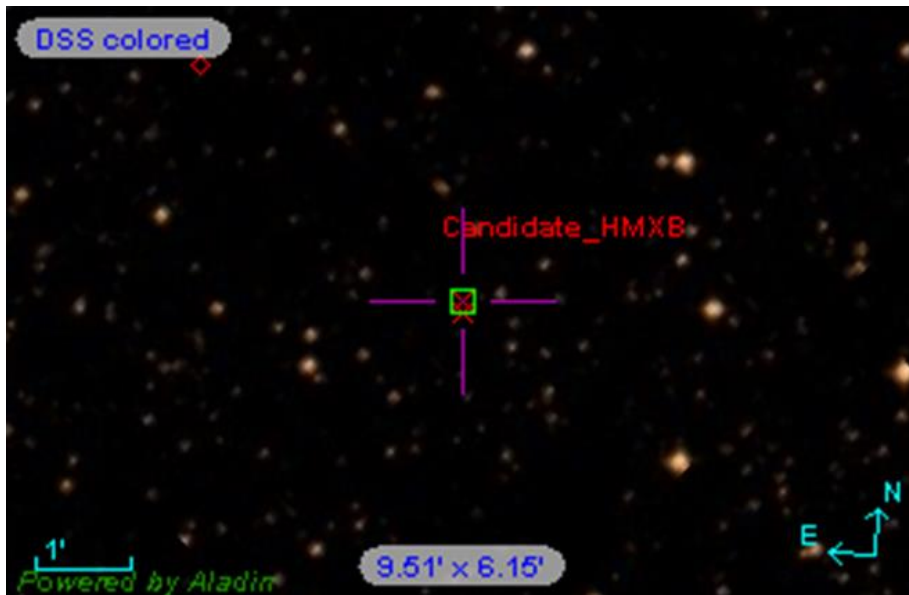
Filter: Bessel R

Exposure Time: 60 Seconds

Number of exposures: As many as possible during your session

Le champ de l'objet dans ALADIN (CDS Strasbourg, FR)





L'objet est identifié dans la base de données SIMBAD

Firefox - SIMBAD query result

simbad.u-strasbg.fr/simbad/sim-id?ident=AX+J1740.3-2904&Nbident=1

Portal Simbad VizieR Aladin X-Match Other - Help

SIMBAD query result

other query modes: Identifier query, Coordinate query, Criteria query, Reference query, Basic query, Script submission, Output options, Help

Object query: AX J1740.3-2904 C.D.S. - SIMBAD4 rel 1.207 - 2013.07.11CEST14:06:58

Available data: Basic data, Identifiers, Plot & images, Bibliography, Measurements, External archives, Notes, Annotations

Basic data:
AX J1740.3-2904 -- X-ray source

query around with radius 2 arcmin

Other object types: X ([SBM2001],AX)
 ICRS coord. (ep=J2000): 17 40 15.9 -29 03 32 (~) [~ ~ ~] D [2001A&A...368..835S](#)
 FK5 coord. (ep=J2000 eq=2000): 17 40 15.9 -29 03 32 (~) [~ ~ ~] D [2001A&A...368..835S](#)
 FK4 coord. (ep=B1950 eq=1950): 17 37 05.2 -29 01 59 (~) [~ ~ ~] D [2001A&A...368..835S](#)
 Gal coord. (ep=J2000): 359.2798 +00.9314 (~) [~ ~ ~] D [2001A&A...368..835S](#)

Identifiers (2):
[\[SBM2001\]](#) 6 [AX J1740.3-2904](#)

FR 14:08 11/07/2013

Slots booked:

Michal Vodička - 10:00 - 10:30 UT

Grudziadz - 10:30 - 11:00 UT (Zespól Szkól Technicznych, Grudziadz, PL) 14 images

metzendorf.LGL.de 11:00 - 11:30 UT

EUHOU.fr2 - 11:30 - 12:00 UT (Collège « Le Monteil », Monistrol sur Loire, FR) 14 images

conrad.stevens - 12:00 - 12:30 UT (The Leigh Technology Academy, Dartford, UK) 11 images

EUHOU.fr2 - 12:30 - 13:00 UT (Collège « Le Monteil », Monistrol sur Loire, FR) 4 images

escola secundária cidadela - 13:30 UT (Escola secundaria da Cidadela, Cascais, PT 12 images

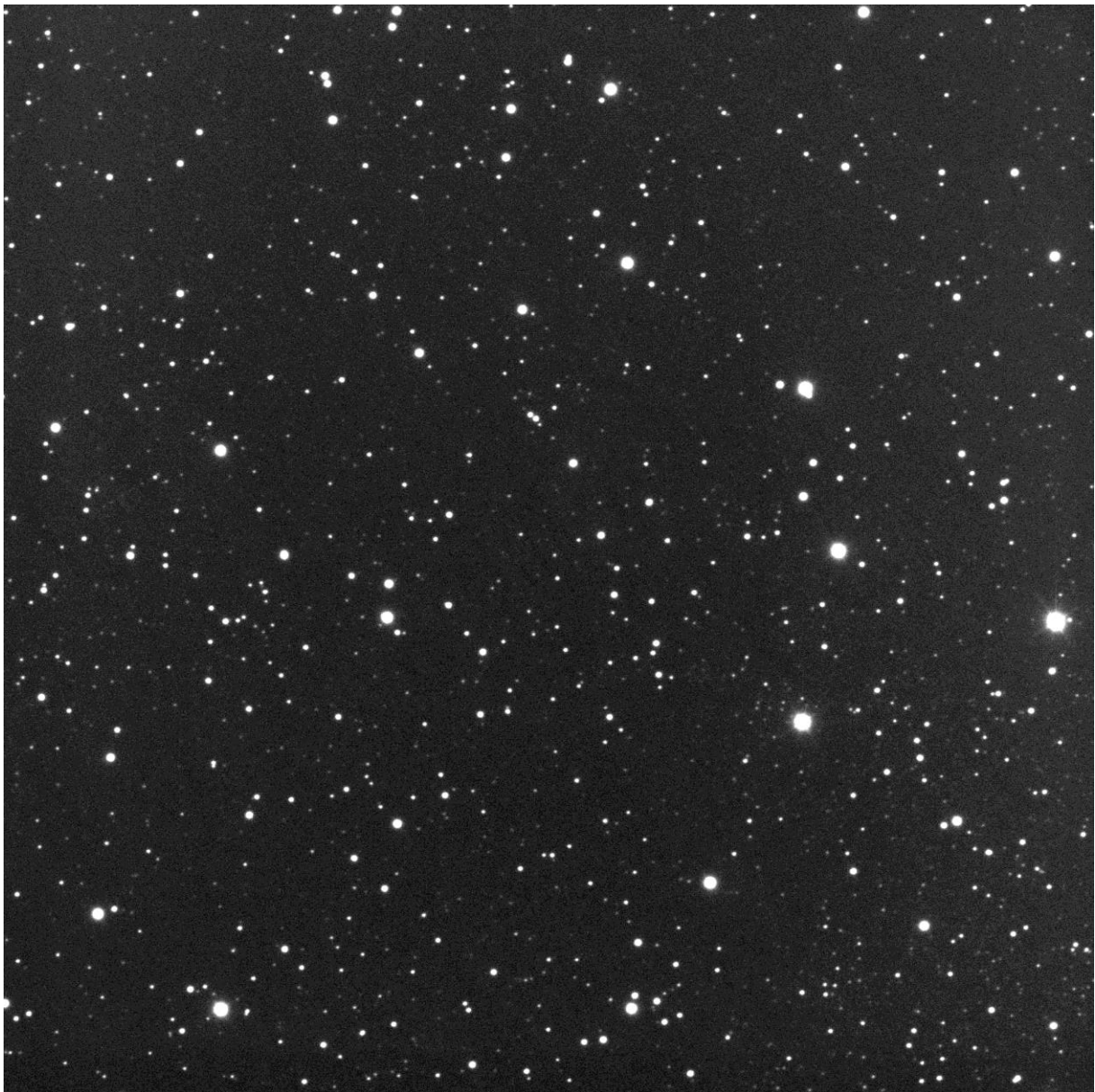
Errol Simpson - 13:30 - 14:00 UT

Background Information on the Object:

'This is the second target from a subset of binary systems, known as cataclysmic variables. These systems contain a 'normal' star and a white dwarf star which is drawing matter from its companion in a process known as accretion. The two components orbit a common centre of mass in as short a time as 1-12 hours. On occasion, these white dwarfs can accrete enough matter to result in a type Ia supernovae, which can be very useful to astronomers as they are almost always of a particular brightness and can therefore be used to calibrate distances'.

Une image obtenue au FTS avec la toute nouvelle camera.

Le ciel était de très bonne qualité.



Les équipes impliquées ont été heureuses de participer à ce programme et espèrent avoir apporté une contribution utile à la connaissance de cet objet particulier.