

ÁLVARO RIBAS GÓMEZ - CV

PERSONAL INFORMATION

Address: Paseo Comandante Fortea 9-bis I 1° A
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Date of Birth: 29/09/1987

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EDUCATION

PhD student at the [European Space Astronomy Centre \(ESAC,ESA\)](#)

Nov 2012 - Present

Disk evolution in the solar neighborhood: homogeneous multi-wavelength study of protoplanetary disks in several nearby star-forming regions.

M.Sc. Astrophysics

Sep 2011 - July 2012

B.Sc. Physics (Major: Astrophysics)

Sep 2005 - Feb 2011

[Universidad Complutense de Madrid](#). Last 2 academic years.

[Universidad de Salamanca](#). First 3 academic years.

High School Diploma in Science and Technology

2005

PROFESSIONAL EXPERIENCE

[European Space Astronomy Centre \(ESAC,ESA\)](#)

March 2011 - Oct 2012

– HIPE Astronomer Acceptance Tester

Oct 2011 - Oct 2012

Contribution to the HIPE (Herschel Interactive Processing Environment) testing as part of the reduction process, photometry and study of some Gould's Belt star-forming regions.

– Trainee at ESAC (Spain)

March 2011 - Oct 2011

Study of Very Low Luminosity Protostars with Herschel Maps: analysis of star-forming regions as probed by the PACS (Photodetector Array Camera and Spectrometer) and SPIRE (Spectral and Photometric Imaging Receiver) instruments of the *Herschel Space Observatory* to detect and analyze Young Stellar Objects and very low luminosity protostars.

REFEREED PUBLICATIONS

I am lead author of **four** accepted papers, and co-author of other **nine** publications.

TEACHING & MENTORING EXPERIENCE

Tutor of ESA traineeship project

Jun 2014 - Present

Analysis of infrared data of exoplanet-forming transitional disks

Trainee: Isabel Rebollido Vázquez

OBSERVING EXPERIENCE AND PROPOSALS

Principal Investigator of four accepted proposals to observe with the Canaricam instrument at Gran Telescopio Canarias.

Co-Investigator of two accepted Herschel Open Time 2 Proposals.

Several observing runs (optical photometry and spectroscopy) at the Isaac Newton Telescope and William Herschel Telescope (Canary Islands).

COMPUTER SKILLS	<p>Operating systems: Linux, Mac OS, Windows.</p> <p>Programming languages: Python (advanced level), Bash, PostgreSQL.</p> <p>Scientific software:</p> <ul style="list-style-type: none"> – HIPE (Herschel Interactive Processing Enviroment) & Scanamorphos – IRAF & PyRAF – Aladin, Topcat & SExtractor – IDL <p>Other useful software: L^AT_EX, Photoshop, Adobe Illustrator.</p>
LANGUAGE SKILLS	<p>Spanish: Mother tongue.</p> <p>English: Certificate in Advanced English.</p> <p>German: Basic level.</p>
RESEARCH INTERESTS	<p>Protoplanetary and debris disks, exoplanets planet-disk interactions, statistics, Bayesian analysis and data mining, data visualization.</p>
OTHER DATA	<p>Winner: Science Fiction short story contest '<i>III concurso de mini-relatos sobre Ciencia Ficción. Biblioteca de la facultad de CC. Físicas 2012</i>'</p> <p>Winner: Science Fiction short story contest '<i>I concurso de mini-relatos sobre Ciencia Ficción. Biblioteca de la facultad de CC. Físicas 2010</i>'</p> <p>2nd place: Science Fiction short story contest '<i>II concurso de mini-relatos sobre Ciencia Ficción. Biblioteca de la facultad de CC. Físicas 2011</i>'</p> <p>2nd place: Horror short story contest '<i>Concurso de relatos de terror Abismo</i>'</p> <p>Selected for publication: Horror short story contest '<i>IV Concurso de relatos de terror Aullidos.COM</i>'</p> <p>Selected: Photography contest '<i>Día del Libro 2008 Universidad de Palencia</i>'</p> <p>Interests: reading, writing, music, photography, rock climbing, scuba diving, horse riding, fencing, illusionism.</p>