

ÁLVARO RIBAS GÓMEZ - CV

Boston University
725 Commonwealth Avenue, Office 404B
02215, Boston (MA), USA

Phone: +1 (857) 206 2567
aribas@bu.edu
www.alvaroribas.com

- Research Interests** Protoplanetary and debris disks, exoplanets, radiative transfer modeling, statistics, Bayesian analysis and data mining, data visualization.
- Positions**
- | | |
|--|----------------|
| POSTDOCTORAL ASSOCIATE (Boston University) | 2015 - Present |
| HIPE ASTRONOMER ACCEPTANCE TESTER (ESAC/ESA) | 2011 - 2012 |
| ESA TRAINEE (ESAC/ESAC) | March/Oct 2011 |
- Education**
- | | |
|---|------|
| PH.D., ASTROPHYSICS | 2015 |
| Universidad Autónoma de Madrid / European Space Astronomy Centre (ESA) | |
| Advisors: Bruno Merín & Hervé Bouy | |
| Thesis: <i>Protoplanetary disk evolution in nearby star-forming regions</i> | |
| M.SC. ASTROPHYSICS | 2012 |
| Universidad Complutense de Madrid / Universidad Autónoma de Madrid | |
| B.SC. PHYSICS (MAJOR: ASTROPHYSICS) | 2011 |
| Universidad Complutense de Madrid / Universidad de Salamanca | |
- Refereed Publications** As of June 2018:
First author of five peer-review papers
Co-author on other sixteen peer-review publications
- Mentoring Experience**
- | | |
|---|----------------|
| - Evan Leto (Undergraduate Student, Boston University) | 2016 - present |
| - Amanda Reveles (Undergraduate Student, Boston University) | 2016 - 2017 |
| - Isabel Rebolledo (ESA trainee) | 2014 - 2015 |
| - Ignacio Bustamante (ESA trainee) | 2013 - 2014 |
- Language Skills**
- SPANISH: Native
ENGLISH: Professional/Cambridge English Advanced (CEA)
GERMAN: Basic level
- Conference Contributions**
- | | |
|---|-------------------------------|
| - CfA star-formation journal club; Invited talk | Cambridge/USA, 2017 |
| - Regional Star Formation Meeting 2017; Talk | Yale/USA, 2017 |
| - Star Formation 2016; Talk | Exeter/UK, 2017 |
| - NRAO Live! Event at Boston University; Talk | Boston/USA, 2016 |
| - ALMA/Herschel Archival Workshop; Talk | Garching/Germany, 2015 |
| - Jet Propulsion Laboratory Luncheon Seminars; Talk | Pasadena/USA, 2014 |
| - Sagan Exoplanet Summer Workshop; Poster | Pasadena/USA, 2014 |
| - Protoplanetary disks workshop | Ameland/The Netherlands, 2014 |

- Theory and modeling meet observations; Poster
- ESA 6th Inter-Departmental Science Workshop; Talk Aranjuez/Spain, 2013
- Protostars and Planets VI; Poster Heidelberg/Germany, 2013
- ESA Summer Alumni Trainee Meeting; Talk ESAC/Spain, 2012
- Europlanetary Science Congress; Poster Madrid/Spain, 2012
- ESA Summer Alumni Trainee Meeting; Talk ESAC/Spain, 2011
- HIPE forum; Invited talk Garching/Germany, 2011

- Professional Service**
- MNRAS Science Referee
 - ESAC data analysis and statistics workshop ESAC/Spain, 2014
 - Scientific and organizing committee member

- Observing Experience & Proposals (PI)**
- Two accepted proposals with VISIR/VLT (partial completion).
 - Four accepted proposals with Canaricam/GTC (no completion).
 - Several observing runs at the Isaac Newton Telescope and William Herschel Telescope (Canary Islands).
 - Various observing runs at the Discovery Channel Telescope (Arizona, remote observing).

- Outreach**
- Owner of “Cartas desde Andr6meda” (2009-2014), an outreach blog about science, astronomy, and astrophysics with more than 60 000 visits.
 - <http://cartasdesdeandromeda.blogspot.com/>

PUBLICATIONS

Refereed
publications
(first author)

CONSTRAINING THE PROPERTIES OF TRANSITIONAL DISKS IN CHAMAELEON-I WITH HERSCHEL

Á. Ribas, H. Bouy, B. Merín, G. Duchêne, I. Rebollido, C. Espaillat, & C. Pinte, 2016, *MNRAS*, 458, 1029R.

PROTOPLANETARY DISK LIFETIMES AS A FUNCTION OF STELLAR MASS AND POSSIBLE IMPLICATIONS FOR GIANT PLANET POPULATIONS

Á. Ribas, H. Bouy, & B. Merín, 2015, *A&A*, 576, A52.

DISK EVOLUTION IN THE SOLAR NEIGHBORHOOD. I. DISK FREQUENCIES FROM 1 TO 100 MYR

Á. Ribas, H. Bouy, B. Merín, & L. T. Maud, 2014, *A&A*, 555, A71.

IDENTIFICATION OF TRANSITIONAL DISKS IN CHAMAELEON WITH HERSCHEL

Á. Ribas, B. Merín, H. Bouy, C. Alves de Oliveira, D. R. Ardila, E. Puga, Á. Kóspál, L. Spezzi, N. L. J. Cox, T. Prusti, G. L. Pilbratt, Ph. André, L. Matrà, & R. Vavrek, 2013, *A&A*, 552, A115.

WARM DEBRIS DISKS CANDIDATES IN TRANSITING PLANETS SYSTEMS

Á. Ribas, B. Merín, D. R. Ardila, & H. Bouy, 2012, *A&A*, 541, A38.

Refereed
publications
(co-author)

AN INCIPIENT DEBRIS DISK IN THE CHAMAELEON I CLOUD

C. C. Espaillat, Á. Ribas, M. K. McClure, J. Hernández, J. E. Owen, N. Avish, N. Calvet, & R. Franco-Hernández, 2017, *ApJ*, in press.

J. Lillo-Box, Á. Ribas (shared main authorship), D. Barrado, B. Merín, & H. Bouy, 2016, *A&A*, 592, A32.

A SEARCH FOR LIGHT CURVE MODULATIONS AMONG KEPLER CANDIDATES: THREE SUBSTELLAR/LOW-MASS TRANSITING COMPANIONS

J. Lillo-Box, Á. Ribas (shared main authorship), D. Barrado, B. Merín, & H. Bouy, 2016, *A&A*, 592, A32.

FILAMENTARY STRUCTURE AND MAGNETIC FIELD ORIENTATION IN MUSCA

N. L. J. Cox, D. Arzoumanian, Ph. André, K. L. J. Rygl, T. Prusti, A. Men'shchikov, P. Royer, Á. Kóspál, P. Palmeirim, Á. Ribas, V. Könyves, J.-Ph. Bernard, N. Schneider, S. Bontemps, B. Merín, R. Vavrek, C. Alves de Oliveira, P. Didelon, G. L. Pilbratt, & C. Waelkens, 2016, *A&A*, 590, A110.

X-RAY DEFICIENCY ON STRONG ACCRETING T TAURI STARS - COMPARING ORION WITH TAURUS

I. Bustamante, B. Merín, H. Bouy, C. F. Manara, Á. Ribas, & P. Riviere-Marichalar, 2016, *A&A*, 590, A110.

HERSCHEL-PACS OBSERVATIONS OF DISCS IN THE ETA CHAMAELEONTIS ASSOCIATION

P. Riviere-Marichalar, P. Elliott, I. Rebollido, A. Bayo, Á. Ribas, B. Merín, I. Kamp, W. R. F. Dent, & B. Montesinos, 2015, *A&A*, 584, A22.

INFRARED STUDY OF TRANSITIONAL DISKS IN OPHIUCHUS WITH HERSCHEL

I. Rebollido, B. Merín, Á. Ribas, I. Bustamante, H. Bouy, P. Riviere-Marichalar, T. Prusti, G. L. Pilbratt, Ph. André, & P. Ábrahám, 2015, *A&A*, 581, A30.

FIRST DETECTION OF THERMAL RADIOJETS IN PROTO-BROWN DWARFS
CANDIDATES

Ó. Morata, A. Palau, R. F. González, I. de Gregorio-Monsalvo, **Á. Ribas**, M. Perger, H. Bouy, D. Barrado, C. Eiroa, A. Bayo, N. Huélamo, M. Morales-Calderón, & L. F. Rodríguez, 2015, *ApJ*, 807, 55.

IDENTIFICATION OF NEW TRANSITIONAL DISK CANDIDATES IN LUPUS WITH
HERSCHEL

I. Bustamante, B. Merín, **Á. Ribas**, H. Bouy, T. Prusti, G. L. Pilbratt, & Ph. André, 2015, *A&A*, 578, A23.

MESSIER 35 (NGC 2168) DANCe. I. MEMBERSHIP, PROPER MOTIONS AND
MULTI-WAVELENGTH PHOTOMETRY

H. Bouy, E. Bertin, D. Barrado, L. M. Sarro, J. Olivares, E. Moraux, J. Bouvier, J.-C. Cuillandre, **Á. Ribas**, & Y. Beletsky, 2015, *A&A*, 575, A120.

HERSCHEL/PACS PHOTOMETRY OF TRANSITING-PLANET HOST STARS WITH CAN-
DIDATE WARM DEBRIS DISKS

B. Merín, D. R. Ardila, **Á. Ribas**, H. Bouy, G. Bryden, K. Stapelfeldt, & D. Padgett, 2014, *A&A*, 569, A89.

HERSCHEL'S VIEW OF THE LARGE-SCALE STRUCTURE IN THE CHAMAELEON
DARK CLOUDS

C. Alves de Oliveira, N. Schneider, B. Merín, T. Prusti, **Á. Ribas**, N. L. J. Cox, R. Vavrek, V. Könyves, D. Arzoumanian, E. Puga, G. L. Pilbratt, Á. Kóspál, Ph. André, P. Didelon, A. Men'shchikov, P. Royer, C. Waelkens, S. Bontemps, E. Winston, & L. Spezzi, 2014, *A&A*, 568, A98.

THE HERSCHEL GOULD BELT SURVEY IN CHAMAELEON II. PROPERTIES OF
COLD AROUND YOUNG STELLAR OBJECTS

L. Spezzi, N. L. J. Cox, T. Prusti, B. Merín, **Á. Ribas**, C. Alves de Oliveira, E. Winston, Á. Kóspál, P. Royer, R. Vavrek, Ph. André, G. L. Pilbratt, L. Testi, E. Bressert, L. Ricci, A. Men'shchikov, & V. Könyves, 2013, *A&A*, 555, A71.

A NEW HERSCHEL VIEW OF THE YOUNG STAR T54: NOT A TRANSITIONAL DISK?

L. Matrà, B. Merín, C. Alves de Oliveira, N. Huélamo, A. Kóspál, N. L. J. Cox, **Á. Ribas**, E. Puga, R. Vavrek, P. Royer, T. Prusti, G. L. Pilbratt, & P. André, 2012, *A&A*, 548, A111.

HERSCHEL FAR-IR OBSERVATIONS OF THE CHAMAELEON MOLECULAR CLOUD
COMPLEX. CHAMAELEON I: A FIRST VIEW OF YOUNG STELLAR OBJECTS IN
THE CLOUD

E. Winston, N. L. J. Cox, T. Prusti, B. Merín, **Á. Ribas**, P. Royer, R. Vavrek, E. Puga, Ph. André, A. Men'shchikov, V. Könyves, Á. Kóspál, C. Alves de Oliveira, G. L. Pilbratt, & C. Waelkens, 2012, *A&A*, 545, A145.

A SEARCH FOR PRE-SUBSTELLAR CORES AND PROTO-BROWN DWARF CANDIDA-
TES MULTI-WAVELENGTH ANALYSIS IN THE B213-L1495 CLOUDS

A. Palau, I. de Gregorio-Monsalvo, Ó. Morata, D. Stamatellos, N. Huélamo, C. Eiroa, A. Bayo, M. Morales-Calderón, H. Bouy, **Á. Ribas**, D. Asmus, & D. Barrado, 2013, *MNRAS*, 424, 2778.

THE DUSTY ENVIRONMENT OF HD 97300 AS SEEN BY HERSCHEL AND SPITZER

Á. Kóspál, T. Prusti, N. L. J. Cox, G. L. Pilbratt, Ph. André, C. Alves de

Oliveira, E. Winston, B. Merín, **Á. Ribas**, P. Royer, R. Vavrek, & C. Waelkens,
2012, *A&A*, 541, A71.