
CONTACT INFORMATION	University of Warwick Department of Physics Coventry, CV4 7AL United Kingdom	<i>Voice:</i> +44 (0)79 021 10658 <i>Fax:</i> +44 (0)24 761 50897 <i>E-mail:</i> y.gomez@warwick.ac.uk <i>Web:</i> http://astro.phy.vanderbilt.edu/~gomezmy
RESEARCH INTERESTS	Discovery and characterization of transiting extrasolar planetary systems to empirically constrain their architecture, the planet structure, and their formation and evolution. Eclipsing binary systems to determine the fundamental properties of low-mass stars and brown dwarfs to calibrate stellar models.	
EDUCATION	Vanderbilt University , Nashville, Tennessee, USA Ph.D., Physics, August 2010 Dissertation Title: On the Analysis of Two Low-Mass, Eclipsing Binary Systems in the Young Orion Nebula Cluster Advisor: Keivan G. Stassun M.S., Physics, May 2007 EPF École d'Ingénieurs , Sceaux, France M.Eng., Energetic and Environmental Engineering, June 2004 Tecnológico de Monterrey , Monterrey, Nuevo León, México B.Sc. Honors, Industrial Physics Engineering, May 2004	
PROFESSIONAL EXPERIENCE	Postdoctoral Research Fellow University of Warwick Postdoctoral Researcher Vanderbilt University Request, collect and analyze optical and near-infrared data of stellar eclipsing binaries and transiting planet hosts. Visiting Academic Centro de Radioastronomía y Astrofísica UNAM Discovery and analysis of transiting planetary systems, and teaching a graduate course on detection methods of extra-solar planets. Visiting Postdoctoral Research Fellow Queen's University Belfast Study of M-dwarfs in eclipsing binaries with F/G/K primaries including spectroscopic and photometric observations to calibrate the mass-radius-temperature relation in the low-mass regime. Research Assistant (Advisor: Prof. Keivan G. Stassun) Vanderbilt University Investigate, collect and analyze optical and near-infrared observations of star formation regions in order to characterize Pre-Main Sequence eclipsing binaries. Visiting Graduate Student (Advisor: Dr. Andrej Prša) Villanova University Analyze eclipsing binary systems by modeling their radial and light curves using PHOEBE. Research Undergraduate Assistant (Advisor: Dr. Oliver Probst) Tecnológico de Monterrey Realized the analysis of the visual impact of a wind farm in the vicinity of a large metropolitan area in Northern México. Research Assistant (Advisor: Dr. Jean-Eudes Arlot) Institut de Mécanique Céleste et de Calcul des Éphémérides Obtained and reduced astrometric observations of the small Jovian satellites, Leda and Callirrhoe, for comparison to their dynamical models.	Sep 2012-present Coventry, England, UK 2010-present Nashville, Tennessee, USA Oct-Nov 2012 Morelia, Michoacán, México 2010-2012 Belfast, Northern Ireland, UK 2004-2010 Nashville, Tennessee, USA 2007-2009 Villanova, Pennsylvania, USA Spring 2004 Monterrey, Nuevo León, México Spring 2003 Paris, France

PUBLICATIONS

Gómez Maqueo Chew, Y., Faedi, F., et al., *Discovery of WASP-65b and WASP-75b: Two Hot Jupiters Without Highly Inflated Radii*, 2013, *Astronomy & Astrophysics*, 559, A36

Armstrong, D. J., **Gómez Maqueo Chew, Y.**, Faedi, F. & Pollacco, D. *A Catalogue of Temperatures for Kepler Eclipsing Binary Stars*, 2013, *MNRAS*, in press.

Anderson, D. R., Collier Cameron, A., Delrez, L., Doyle, A. P., Faedi, F., Fumel, A., Gillon, M., **Gómez Maqueo Chew, Y.**, et al., *Three sub-Jupiter-mass planets: WASP-69b, WASP-70b, and WASP-84*, submitted to *MNRAS*

Armstrong, D., Martin, D. V., Brown, G., Faedi, F., **Gómez Maqueo Chew, Y.**, et al., *Placing limits on the transit timing variations of circumbinary exoplanets*, 2013, *Monthly Notices of the Royal Astronomical Society*, Volume 434, Issue 4, p.3047-3054

Gómez Maqueo Chew, Y., Faedi, F., et al., *The Homogeneous Study of Transiting Systems I. The Pilot Study of WASP-13*, 2013, *The Astrophysical Journal*, 768, 79

Faedi, F., Staley, T., **Gómez Maqueo Chew, Y.**, et al., *Lucky Imaging of transiting planet host stars with LuckyCam*, 2013, *Monthly Notices of the Royal Astronomical Society*, Volume 433, Issue 3, p.2097-2106

Faedi, F., Pollacco, D., Barros, S. C. C., Brown, D., Collier Cameron, A., Doyle, A. P., Gillon, M., **Gómez Maqueo Chew, Y.**, et al., *WASP-54b, WASP-56b and WASP-57b: Three new sub-Jupiter mass planets from SuperWASP*, 2013, *Astronomy & Astrophysics*, 551A, 73

Hébrard, G., Collier Cameron, A., Brown, D.J.A., Díaz, R.F.D., Faedi, F., Smalley, B., Anderson, D.A., Armstrong, D., Barros, S.C.C., Bento, J., Bouchy, F., Doyle, A.P., Enoch, B., **Gómez Maqueo Chew, Y.**, et al., *WASP-52b, WASP-58b, WASP-59b, and WASP-60b: four new transiting close-in giant planets*, 2013, *Astronomy & Astrophysics*, 549A, 134

TriAUD, A. H. M. J., Hebb, L., Anderson, D. R., Cargile, P., Collier Cameron, A., Doyle, A. P., Faedi, F., Gillon, M., **Gómez Maqueo Chew, Y.**, et al., *The EBLM Project I-Physical and orbital parameters, including spin-orbit angles, of two low-mass eclipsing binaries on opposite sides of the Brown Dwarf limit*, 2013, *Astronomy & Astrophysics*, 549A, 18

Armstrong, D., Pollacco, D., Watson, C. A., Faedi, F., **Gómez Maqueo Chew, Y.**, Cegla, H. M., McDaid, P., Burton, J., McCormac, J., Skillen, I., *A transiting companion to the eclipsing binary KIC002856960*, 2012, *Astronomy & Astrophysics*, 545, L4

Gómez Maqueo Chew, Y., Stassun, K.G., Prša, A., Hebb, L. & Stempels E., *Luminosity Discrepancy in the Equal-Mass, Pre-Main Sequence Eclipsing Binary Parenago 1802: Non-Coevality or Tidal Heating?*, 2012, *Astrophysical Journal*, 745, 58G

García, E.V., Stassun, K.G., Hebb, L., **Gómez Maqueo Chew, Y.**, & Heiser, A., *Apsidal Motion of the Benchmark Eclipsing Binary V578 Mon*, 2011, *Astronomical Journal*, 142, 27G

Gómez Maqueo Chew, Y., Stassun, K.G., Prša, A., & Mathieu, R.D., *Near-infrared Light Curves of the Brown Dwarf Eclipsing Binary 2MASS J05352184-0546085: Can Spots Explain the Temperature Reversal?*, 2009, *Astrophysical Journal*, 699, 1196

Gómez Maqueo Chew, Y., et al., *The EBLM Project: Measuring Temperatures of Eclipsing M-Dwarfs*, 2012, *Cool Stars* 17

Gómez Maqueo Chew, Y., et al., *Homogeneous Characterization of Transiting Exoplanet Systems: WASP-13*, 2012, *American Astronomical Society Meeting #219*, #339.05

Fleming, S., Mahadevan, S., **Gómez Maqueo Chew, Y.**, et al., *A Long-Period Benchmark Eclipsing Binary From MARVELS*, 2012, *American Astronomical Society Meeting #219*, #153.35

Hebb, L., **Gómez Maqueo Chew, Y.** & Gillon, M., *Studying Atmospheres Of Exoplanets With The VLT: Near IR Eclipses Of WASP-17b And WASP-18b*, 2011, *Extreme Solar Systems Meeting #2*, #40.21

SELECTED
CONFERENCE
PROCEEDINGS
AND
POSTERS

GRANTS, HONORS, AND AWARDS	2006-2009 CONACyT Graduate Fellowship Winter 2008 AAS Chambliss Student Award Honorable Mention July 2003 UNAM XII Summer School at the Observatory Fellowship	
INVITED TALKS AND SELECTED SEMINARS	<i>Discovery and Characterisation of Transiting planets</i> , Astronomy seminar, University of Stockholm, October 2013 <i>La búsqueda de planetas transitantes: desde SuperWASP hasta NGTS</i> , 1er Taller Nacional de Astrofísica Planetaria, Monterrey, Nuevo León, México, March 2013 <i>Midiendo las estrellas</i> , Departamento de Física, Universidad Técnica Federico Santa María, Valparaíso, Chile, December 2011 <i>Propiedades estelares fundamentales de objetos jóvenes de baja masa por medio del estudio de binarias eclipsantes</i> , Universidad de Sonora, Hermosillo, Sonora, México, August 2010 <i>Low-Mass Calibration of PMS Evolutionary Models: an Eclipsing Binary Brown Dwarf System</i> , American Museum of Natural History, New York, NY, USA, March 2006 <i>Calibración de los modelos evolutivos de estrellas PMS: un sistema binario eclipsante de enanas cafés</i> , Instituto de Astronomía-UNAM, México City, México, September 2006	
OBSERVING AND SUCCESSFUL PROPOSALS	OHP (1.9m): SOPHIE, optical spectroscopy, 17 nights (Co-I) TNG (3.6m): HARPS-N, optical spectroscopy, 4 nights (Co-I) NOT (2.5m): FIES, optical spectroscopy, 7 nights (Co-I) KPNO 2.1m Telescope: FLAMINGOS, Near-Infrared Photometry, 13 nights (PI) INT (2.5m): IDS, Slit Spectroscopy, 7 nights (PI) Subaru 8.m Telescope: HDS, Echelle Spectroscopy, 1 night (Co-PI) CFHT (4.0m): ESPaDOnS, Echelle Spectroscopy, 15 hours (PI) KPNO 4.0m Telescope: Echelle Spectroscopy, 6 nights (PI) ESO NTT (3.6m): SofI, Near Infrared Photometry, 9 nights (PI) SMARTS 1.3m Telescope: ANDICAM, 60 hours (PI and Co-I) SAAO 1.9m Telescope: Slit Spectroscopy, 2 weeks (Co-I) SAAO 1.0m Telescope: Optical Photometry, 1 week (PI) San Pedro Mártir 2.1m Telescope: High Resolution Spectroscopy, 7 nights (Co-I) San Pedro Mártir 2.1m Telescope: Medium Resolution Spectroscopy, 5 nights SMARTS 1.0m Telescope: Optical Photometry, 23 nights Observatoire d'Haute Provence 180cm Telescope: Optical Photometry, 3 nights	
TEACHING EXPERIENCE	Lecturer, Graduate-level course on Exoplanets and detection methods Centro de Radioastronomía y Astrofísica, Morelia, Michoacán, México	Oct-Nov 2012
	Instructor, Introductory Physics Lab Vanderbilt University, Nashville, Tennessee, USA	Summer 2010
	Teaching Assistant, Introductory Astronomy Lab Vanderbilt University, Nashville, Tennessee, USA	Fall 2009- Spring 2010
	Teaching Assistant, Introductory Physics Labs Tecnológico de Monterrey, Monterrey, Nuevo León, México	2001-2002 & Spring 2004
SELECTED SERVICE AND OUTREACH ACTIVITIES	Exoplanet Panelist, Kepler GO Cycle 5 Referee, New Astronomy, The Astrophysical Journal Contributor, Epo's Chronicles Council Member, LGBT Staff Network Delegate, The Third International Conference on Women in Physics Organizer, Women in Physics Volunteer, Fisk-Vanderbilt NASA Roadshow Volunteer, Carte du Ciel Public Night	April 2013 2010-present May 2008-May 2013 2011-2012 October 2008 2005 - 2007 2004-2005 Spring 2003