

# Ricardo LÓPEZ VALDIVIA

## PERSONAL DATA

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DATE OF BIRTH: 23 November 1986

NATIONALITY: Mexican

PHONE: +1 512 893 9823

EMAIL: rlopezv@utexas.edu or ricardo.lopez.val@gmail.com

SKYPE: ricardolopezval

## EMPLOYMENT

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2017 – **Postdoctoral Fellow**  
The University of Texas at Austin  
Department of Astronomy  
2515 Speedway, Stop C1400  
Austin, Texas 78712-1205, USA

## EDUCATION

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AUGUST 2017 **Doctor of Philosophy in Astrophysics**  
Instituto Nacional de Astrofísica, Óptica y Electrónica, Mexico  
Thesis: “Super metal-rich solar analogs: targets for giant planet searches”  
Advisor: Dr. Miguel Chávez & Dr. Emanuele Bertone

JULY 2013 **Master of Science in Astrophysics**  
Instituto Nacional de Astrofísica, Óptica y Electrónica, Mexico  
Thesis: “Super solar metallicity in solar analogs (Spanish)”  
Advisor: Dr. Miguel Chávez & Dr. Emanuele Bertone

FEBRUARY 2011 **Undergraduate Degree in Physics**  
Universidad de Guadalajara, Mexico  
Graduated with honors

## PROFESIONAL MEMBERSHIPS

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2018 – National Researchers’ System (level candidate), CONACyT, Mexico.  
2018 – IAU member, Junior member

## PROFESIONAL SKILLS

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LANGUAGES: Spanish (Mothertongue), English (Advanced)  
OPERATIVE SYSTEMS: Linux, Windows, macOS  
PROGRAMMING LANGUAGES: IDL, Python  
ASTRONOMICAL SOFTWARE: IRAF, MOOG, MOOGStokes

## PUBLICATIONS

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2020	Chávez et al., MNRAS, 493, 5807
2019	Long et al., ApJ, 882, 49 <b>López-Valdivia</b> et al., ApJ, 879, 105 Kidder et al., ApJ, 879, 63
2018	Mace et al., Proc. SPIE, 107020Q
2017	Sada et al., Minor Planet Bulletin, 44, 239 Ricci et al., PASP, 129 <b>López-Valdivia R.</b> , Bertone, E., & Chávez, M., MNRAS, 467, 2412
2016	Chavez-Dagostino et al., MNRAS, 462, 2285
2015	<b>López-Valdivia</b> et al., MNRAS, 451, 4368
2014	<b>López-Valdivia</b> et al., MNRAS, 444, 2251

## OBSERVATIONAL EXPERIENCE

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2018–2020	TS2 (Echelle spectrograph) @ HST - <b>25+ nights</b>
2018	IGRINS (Infrared spectrograph) @ GS - <b>25 nights</b>
2017–2019	IGRINS (Infrared spectrograph) @ LDT - <b>20+ nights</b>
2014–2017	MEXMAN (Filter wheel) @ OAN - <b>40+ nights</b>
2014–2015	CanHis (Single-order echelle spectrograph) @ OAGH - <b>30+ nights</b>
2012–2016	Boller & Chivens spectrograph @ OAGH - <b>20+ nights</b>
<b>GS</b>	Gemini South Telescope, 8.1 m. telescope, La Serena, Chile
<b>LDT</b>	Lowell Discovery Telescope, 4.3 m. telescope, Arizona, United States
<b>HST</b>	Harlan J. Smith Telescope, 2.7 m telescope, Texas, United States
<b>OAN</b>	Observatorio Astronómico Nacional , 0.84 m. telescope, Baja California, Mexico
<b>OAGH</b>	Observatorio Astrofísico Guillermo Haro, 2.1 m. telescope, Sonora, Mexico

## PARTICIPATION IN MEETINGS AND WORKSHOPS

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### Invited talks

OCT. 2019    High Resolution Spectroscopy Workshop, Campos do Jordão, Brazil

### Contributed talks

JUNE 2019    234th Meeting of AAS, St. Louis, USA  
AUG. 2017    Precision Spectroscopy 2017: Towards Earth 2.0, São Paulo, Brazil  
SEPT. 2016    Precision Spectroscopy 2016: Abundances, nucleosynthesis and chemical evolution, Porto Alegre, Brazil  
AUG. 2015    IV Students of Astronomy Meeting, Puebla, Mexico  
AUG. 2014    III Students of Astronomy Meeting, Guanajuato, Mexico  
AUG. 2013    II Students of Astronomy Meeting, Puebla, Mexico

## Posters

JAN. 2020 235th Meeting of AAS, Honolulu, USA  
SEPT. 2014 Towards Other Earths II: The star-planet connection, Oporto, Portugal  
MAR. 2014 Search Life Beyond the Solar System: Exoplanets, Biosignatures & Instruments, Tucson, USA  
NOV. 2013 XXV National meeting of Astronomy, Mexico city, Mexico  
MAR. 2013 1st National workshop on planetary Astrophysics, Monterrey, Mexico  
MAR. 2012 New Quest in Stellar Astrophysics III, Puerto Vallarta, Mexico  
NOV. 2010 XIII Latin American Regional IAU Meeting, Morelia, Mexico  
SEPT. 2009 XXIII National meeting of Astronomy, Ensenada, Mexico

## Meetings as an attendee, schools and research stays

MAR. 2014 Astrobiology School EBI 2014, Tucson, USA  
OCT. 2010 The HAWC 2010 MEXICO - USA collaboration meeting, Guadalajara, Mexico  
AUG. 2010 XX Scientific summer, Tuxtla Gutierrez, Mexico  
JULY 2010 XIX Summer at the National Observatory, Ensenada, Mexico  
MAY 2010 1st Astronomy school for undergraduates, Guanajuato, Mexico  
NOV. 2009 XIII Western Region Astronomical Meeting, Guanajuato, Mexico

## Meetings and workshops as organizer

AUG. 2015 Member of the LOC of the IV Students of Astronomy Meeting  
AUG. 2014 Member of the SOC of the III Students of Astronomy Meeting