

# Ricardo LÓPEZ VALDIVIA

## PERSONAL DATA

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DATE OF BIRTH: 23 November 1986

NATIONALITY: Mexican

PHONE: +1 512 893 9823

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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

## PUBLICATIONS

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- 2019 Long, F., Herczeg, G. J., Harsono, D., et al., ApJ, 882, 49  
**López-Valdivia, R.**, Mace, G. N., Sokal, K. R., et al., ApJ, 879, 105  
Kidder, B., Mace, G., Sokal, K., et al., ApJ, 879, 63
- 2018 Mace, G., Sokal, K., Lee, J.-J., et al., Proc. SPIE, 107020Q
- 2017 Sada, P. V., Olguin, L., Saucedo, J. C., et al., Minor Planet Bulletin, 44, 239  
Ricci, D., Valdés Sada, P., Navarro-Meza, S., et al., PASP, 129  
**López-Valdivia R.**, Bertone, E., & Chávez, M., MNRAS, 467, 2412
- 2016 Chavez-Dagostino, M., Bertone, E., Cruz-Saenz de Miera, F., et al., MNRAS, 462, 2285
- 2015 **López-Valdivia, R.**, Hernández-Águila, J. B., Bertone, E., et al., MNRAS, 451, 4368
- 2014 **López-Valdivia, R.**, Bertone, E., Chávez, M., et al., MNRAS, 444, 2251

## OBSERVATIONAL EXPERIENCE

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- 2018 IGRINS @ GS - 25 nights  
IGRINS @ DCT - 3.5 nights
- 2017 IGRINS @ DCT - 10.5 nights  
MEXMAN @ OAN - 5 nights
- 2016 Boller & Chivens @ OAGH - 4 nights  
MEXMAN @ OAN - 24 nights
- 2015 MEXMAN @ OAN - 7 nights  
CanHiS @ OAGH - 12 nights
- 2014 MEXMAN @ OAN - 7 nights  
CanHiS @ OAGH - 19 nights
- 2013 Boller & Chivens @ OAGH - 12 nights
- 2012 Boller & Chivens @ OAGH - 5 nights

**DCT** Discovery Channel Telescope, 4.3 m. telescope, Arizona, United States  
**OAGH** Observatorio Astrofísico Guillermo Haro, 2.1 m. telescope, Sonora, Mexico  
**OAN** Observatorio Astronómico Nacional, 0.84 m. telescope, Baja California, Mexico  
**GS** Gemini South Telescope, 8.1m. telescope, La Serena, Chile

## PARTICIPATION IN MEETINGS AND WORKSHOPS

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JUNE 2020	235th Meeting of AAS, Honolulu, USA
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
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
MAR. 2014	Astrobiology School EBI 2014, Tucson, USA
AUG. 2014	III Students of Astronomy Meeting, Guanajuato, Mexico
NOV. 2013	XXV National meeting of Astronomy, Mexico city, Mexico
AUG. 2013	II Students of Astronomy Meeting, Puebla, 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
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
SEPT. 2009	XXIII National meeting of Astronomy, Ensenada, 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

## COMPUTER SKILLS

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OPERATIVE SYSTEMS:	Linux, Windows, macOS
PROGRAMMING:	IDL, Python
ASTRONOMICAL SOFTWARE	IRAF, MOOG, MOOGStokes