CURRICULUM VITAE

1 Personal Information

Silvia Helena Paixão Alencar
Born February 18, 1972; Belo Horizonte, Minas Gerais, Brazil.

Current Address:
Instituto de Astronomia, Geofisica e Ciências Atmosféricas
Universidade de São Paulo
Rua do Matao, 1226
05508-900 São Paulo - SP - Brasil

2 Academic Degrees

Ph.D., 2000, Astrophysics
Federal University of Minas Gerais (UFMG), Brazil
Thesis: Aspects of Stellar Atmospheres and Star Formation
Advisor: Dr. Luiz Paulo Ribeiro Vaz
Co-advisor: Dr. Gibor Basri

M.Sc., 1995, Astrophysics
Federal University of Minas Gerais (UFMG), Brazil
Thesis: Elementos Absolutos do Sistema Triplo V906 Sco
Advisor: Dr. Luiz Paulo Ribeiro Vaz

B.Sc., 1993, Physics
Federal University of Minas Gerais (UFMG), Brazil

3 Fellowships

Associate Researcher at the Grenoble Observatory (Astrophysics Laboratory)
CNRS, France
01/02/2002-30/04/2002

Post-doctoral research fellowship at the University of São Paulo
Research Foundation of the State of São Paulo (FAPESP), Brazil
2000-Present

Pre-doctoral research fellowship at UC Berkeley
UC Berkeley, USA
1999-2000
Pre-doctoral research fellowship at UC Berkeley
National Research Council (CNPq), Brazil
1998-1999
Ph.D. research fellowship at UFMG
National Research Council (CNPq), Brazil
1996-1998

Master research fellowship at UFMG
National Research Council (CNPq), Brazil
1994-1995

Undergraduate research fellowship at UFMG
National Research Council (CNPq), Brazil
1991-1993

4 Professional Societies

Brazilian Astronomical Society

5 Other Activities

Observational Experience:

Astrophysics National Laboratory (LNA),
Itajubá - Minas Gerais, Brazil.
5 runs at the 1.6m telescope

Lick Observatory,
University of California Observatories
6 runs at the 3m and CAT telescopes

ESO,
La Silla, Chile
1 run at the ESO 1.5m telescope

Teaching Assistant, Experimetal Physics I and II, 03/96 - 12/96

Astronomy Schools:

"IAG-USP Advanced School on Stellar and Galactic Evolution"
09/02 - 09/06/2000, Mangaratiba, Brazil

"SOFIA Star Formation Workshop"
07/12 - 07/17/99, Santa Cruz, California, USA

"IAG-USP Advanced School on Star Formation"
08/06 - 08/11/98, Barra Bonita, Brazil

"IAU International School for Young Astronomers"
07/10 - 07/30/95, Belo Horizonte, Brazil

6 Foreign Languages

English, CPE - Certificate of Proficiency in English, 12/91

German, Zertifikat Deutsch als Fremdsprache, 06/89

French, Nancy 1, 12/86

7 Publications List

7.1 Refereed

- "VASTT3: The Continuum Flux Changes of the TW Hya Bright Spot", 2002, submitted to the Astrophysical Journal, Batalha, C., Batalha, N.M., Alencar, S.H.P., Lopes, D.F., & Seperuelo, E.

- "VASTT2: The Spectral Variability of the Classical T Tauri Star TW Hya", 2002, Astrophysical Journal, 571, 378 Alencar, S.H.P. & Batalha, C.

- "The Spectral Variability of the Classical T Tauri Star DR Tau", 2001, Astronomical Journal 122, 3335, Alencar, S.H.P., Johns-Krull, C.M., & Basri, G.

- "Profiles of Strong Permitted Lines in Classical T Tauri Stars", 2000, Astronomical Journal 119, 1881, Alencar, S.H.P. & Basri, G.

- "Limb–darkening coefficients of illuminated atmospheres. I – Results for illuminated line-blanketed models with $3\,700\,\mathrm{K} < T_{\mathrm{eff}} < 7\,000\,\mathrm{K}$", 1999, A&A Sup.Ser. 135, 555, Alencar, S.H.P. & Vaz, L.P.R.

- "The gravity–brightening effect and stellar atmospheres. II – Results for illuminated models with $3\,700\,\mathrm{K} < T_{\mathrm{eff}} < 7\,000\,\mathrm{K}$", 1999, A&A 346, 556, Alencar, S.H.P., Vaz, L.P.R., & Nordlund, Å.

- “The gravity–brightening effect and stellar model atmospheres. I – Results for models with $3\,700\,\mathrm{K} < T_{\mathrm{eff}} < 7\,000\,\mathrm{K}$”, 1997, A&A 326, 257, Alencar, S.H.P. & Vaz, L.P.R.

- “Four-colour photometry of eclipsing binaries. XXXVIII – Light curves of V906 Scorpii”, 1997, A&A Sup.Ser. 125, 471, Vaz, L.P.R., Andersen, J., Garcia, J.M., Giménez, A., Helt, B.E., Clausen, J.V., & Alencar, S.H.P.

- “Absolute dimensions of eclipsing binaries. XXI – V906 Scorpii: a triple system member of M7”, 1997, A&A 326, 709, Alencar, S.H.P., Vaz, L.P.R., & Helt, B.E.

7.2 Unrefereed

- “The Spectral Variability of TW Hya, a 10 Myr old Classical T Tauri Star” (abstract) in, XXVII Anual Meeting of the Brazilian Astronomical Society, 2001, Bulletin of the Brazilian Astronomical Society, in press, Aguas de São Pedro, Brazil

- “Software for the Visualization of Spectra obtained with the SOAR-IFU and the LNA-EUCALYPTUS” (abstract) in, XXVII Anual Meeting of the Brazilian Astronomical Society, 2001, Bulletin of the Brazilian Astronomical Society, in press, Aguas de São Pedro, Brazil

- “Spectral Variability of TW Hya, a 10 Myr old Classical T Tauri Star” (abstract) in, Twelfth Cambridge Workshop on Cool Stars, Stellar Systems and the Sun, 2001, Proceedings of the Conference, Boulder, Colorado, USA

- “The Variability of High-Resolution Spectra of TW Hya”, Young Stars Near Earth: Progress and Prospects, 2001, ASP Conference Series, 244, 141 Mountain View, California, USA

- “The Spectral Variability of the Classical T Tauri Star DR Tau” (abstract) in, XXVI Anual Meeting of the Brazilian Astronomical Society, 2000, Bulletin of the Brazilian Astronomical Society, in press, Mangaratiba, Brazil

- “The Reflection Effect and Light Curves of Eclipsing Binary Systems” (abstract) in, XXV Anual Meeting of the Brazilian Astronomical Society, 1999, Bulletin of the Brazilian Astronomical Society, v.19, p.72 Caxambu, Brazil

- “Limb Darkening Effect in Illuminated Atmospheres” (abstract) in, XXIV Anual Meeting of the Brazilian Astronomical Society, 1998, Bulletin of the Brazilian Astronomical Society, 18 Barra Bonita, Brazil

- “The Gravity Brightening Effect and Stellar Atmospheres” (abstract) in, XXIII Anual Meeting of the Brazilian Astronomical Society, 1997, Bulletin of the Brazilian Astronomical Society, 17, p.140, Angra dos Reis, Brazil

- "Search for Spectral Lines with the Cross-correlation method" (abstract) in, XXII Anual Meeting of the Brazilian Astronomical Society, 1996, Bulletin of the Brazilian Astronomical Society, v.16, p.86, Caxambú, Brazil

- "Eclipsing Binaries in Clusters and Associations. Examples with Accurate Light Curves", International Symposium on The Origins, Evolution and Destinies of Binary Stars in Clusters., 1996, ASP Conference Series, 90, p.154 Calgary, Canada

- "Absolute Dimensions of V906 Sco" (abstract) in, XXI Anual Meeting of the Brazilian Astronomical Society, 1995, Bulletin of the Brazilian Astronomical Society, 15, p.75, Caxambú, Brazil

- "Determination of Absolute Parameters of Binary Systems" (abstract) in, XX Anual Meeting of the Brazilian Astronomical Society, 1994, Bulletin of the Brazilian Astronomical Society, 14, Campos do Jordão, Brazil

Silvia Helena Paixão Alencar