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RESEARCH INTERESTS:

Star Formation

Specific Interests: Very low mass stars, Star formation in clusters,Stellar rotation, disk dynamics, stellar surface structure, timing analysis, Infrared astronomy, X-ray astronomy

EDUCATION:

State University of New York at Stony Brook
Degree: Ph.D. in Astronomy - December, 1996.
Thesis title: Watching the Stars go 'Round and 'Round
Thesis advisor: Frederick M. Walter

Cornell University, Ithaca, N.Y.
Degree: A.B. in Physics, May 1988.

AWARDS:

ΣΞ *Grants-in-Aid of Research Award 1994* for *Rotational Modulations of Naked T Tauri Stars.*

POSITIONS HELD:

Astrophysicist, Harvard–Smithsonian CfA, 1996–present
Adjunct Professor, Suffolk Community College, 1995–1996
Research Assistant, SUNY at Stony Brook, 1991–1996.
Teaching Assistant, SUNY at Stony Brook, 1989–1991.
Teaching Assistant, Tel Aviv University, 1989.
Research Assistant, Cornell University, 1986–1988.

RELATED EXPERIENCE:

Montitoring and Trends Scientist; Chandra Observatory.
Supervised a group of 7 undergraduate researchers.
Directed 6 *Westinghouse Science Talent Search* projects.
Currently use VMS, Unix and Windows operating systems.
Proficient in IDL, IRAF, FORTRAN and UNIX scripting.

PUBLICATIONS:

Refereed journals:

On The Possibility of Outflows from Very Low Mass Companions, Wolk, S.J., and S.C. Beck 1990. *PASP*, **102**, 745-750.

The Long Period AM Her-like Cataclysmic Variable RXJ051541 +0104.6, Walter, F.M., S.J. Wolk and N.R. Adams, 1995. *Ap.J.* **440**, 834-840.

Discovery of a Nearby Isolated Neutron Star, Walter, F.M., S.J. Wolk and R. Neuhäuser 1996. *Nature,* **379** 233.

The Interacting System Arp 30, Kovo, O., Beck, S.C. and Wolk, S.J. 1996. *AJ* **111** 168.

The Epsilon Aurigae Secondary: A Hydrostatically Supported Disk, Wolk, S.J., J.J. Lissauer, D.E. Backman and C.A. Griffith 1996. *ApJ* **465** 371.

A Search for Protoplanetary Disks Around Naked T Tauri Stars, Wolk, S.J. and F.M. Walter 1996. *AJ* 111, 2066.

Multiwavelength Observations of PKS 2155-304 in May 1994: The Ground-based Campaign, Pesce, J.E., C.M. Urry, R.I. Kollgaard, C. Palma, L.B.G. Knee, M. Tornikoski, H.D. Aller, M.F. Aller, M.L. Sitko, E.J. Hooper, P.S. Smith, A.J. Barth, A.V. Filippenko, D.A.H. Buckley, D. Kilkenny, P.A. Whitelock, J. Van der Walt, A. Schutte, M. Kunkel, S.J. Wolk, M.D. Joner, E. Covino, A.C. Layden, A.M. Magalhaes, V.E. Margoniner, A. Pereyra, C.V. Rodrigues 1996. *ApJ* **486** 770.

X-Ray Sources in Regions of Star Formation. VI. The R CrA Association as Viewed by *EINSTEIN*, Walter, F.M., F.J. Vrba, S.J. Wolk and R.D. Mathieu 1997. *AJ* **114** 1154.

Optical and X-ray monitoring, Doppler imaging, and space motion of the young star Par 1724 in Orion Neuhaeuser, R., Wolk, S. J., Torres, G., Preibisch, T., Stout–Batalha, N. M., Hatzes, A. P., Frink, S., Wichmann, R., Covino, E., Alcala, J. M., Brandner, W., Walter, F. M., Sterzik, M. F., Koehler, R. 1998. *A&A* **334** 873.

Rotation Periods of Low-Mass Stars of the Upper Scorpius OB Association Adams, N.R., Walter, F.M., Wolk, S.J. 1998 *A&A* **116** 237.

Refereed Publications (continued):

Low Mass Star Formation in the Orion OB Association F.M. Walter, J. Alcala, R. Neuhauser, M. Sterzik and S.J. Wolk. 2000. *Prototstars and Planets IV* V. Manning ed. In Press.

Conference proceedings:

The Case For Spots on the Naked T Tauri Star LkCa-7, Walter, F.M., S.J. Wolk, F.J. Vrba, and A. Brown 1992. in *Cool Stars, Stellar Systems and the Sun – Seventh Cambridge Workshop,* M.S. Giampapa and J. Bookbinder eds., ASP, San Francisco, 340-342.

The Circumstellar Disks of Naked T Tauri Stars, Wolk, S.J., Walter F.M. 1992. in *Astronomy in New York State* A.G.D. Phillips ed., L. Davis Press, Schenectady, 119-129.

Rotational Modulation of Naked T Tauri Stars - A Low Tech, Low Cost, Approach, Wolk, S.J. and F.M. Walter, 1994. in *Cool Stars, Stellar Systems and the Sun – Eighth Cambridge Workshop,* J.P. Caillault ed., ASP, San Francisco, 205-207.

X-ray Sources and Other PMS Stars Near σ Orionis, Wolk, S.J., F.M. Walter and M. Freyberg 1995. in *Cool Stars, Stellar Systems and the Sun – Ninth Cambridge Workshop,* R. Pallavicini & A. Dupree eds.

Rotational Studies of Naked T Tauri Stars, Neuhäuser, R., F.M. Walter, and S.J. Wolk, 1996. *"Supersoft X-ray Sources* **472**, 279-284.

Star Formation in the Gum Nebula-Cometary Globules 31, Wolk, S.J. and F.M. Walter 1997. in *MmSAI.* R. Pallavicini & S. Sciortino eds. **68** 1029.

Discovery of the σ Orionis Cluster, Walter, F. Wolk, S.; Freyberg, M.; Schmitt, J. H. M. M. 1997. in *MmSAI.* R. Pallavicini & S. Sciortino eds.**68** 1081.

Star Formation in the Gum Nebula (Cometary Globules 30, 31 & 38, Wolk, S.J. and F.M. Walter 1998. in *Cool Stars, Stellar Systems and the Sun* R. Donahue & J. Bookbinder eds. **10** 1800.

Discovery of the σ Orionis Cluster, Walter, F. Wolk, S., Sherry W., 1998. in *Cool Stars, Stellar Systems and the Sun* R. Donahue & J. Bookbinder eds. **10** 1793.

Imaging of X-Rays from PMS binaries, Wolk, S.J., Karovska, M., 2000. in *IAU Symposium 200: The Formation of Binary Stars* eds. B. Reipurth and H. Zinnecker eds.

Conference Proceedings (continued):

The Chandra Monitoring System, Wolk, S.J. Petreshock, J.G., Allen, P., Bartholomew, R.T. Isobe, T., Cresitello-Dittmar,M., Dewey, D. 2000. accepted by *Astronomical Data Analysis Software & Systems* **IX** D.Crabtree, N. Manset, C. Veillet eds. In press.

Applications of IDL for Monitoring and Trends analysis: The Data Inspector, Petreshock, J.G., Cresitello-Dittmar, M., Wolk, S.J. 2000. accepted by *stronomical Data Analysis Software & Systems* **IX** D.Crabtree, N. Manset, C. Veillet eds. In press.

Chandra Observations of NGC2516, Wolk, S.J., Adams, N. R., Drake, J. J., Evans, N. R., Freeman, P., Harnden, F. R. Jr., Kashyap, V., Schachter, J. F., Patten, B. M., Stauffer, J., Flaccomio, E., Pizzolato, N., Damiani, F., Micela, G., Sciortino, S., Favata, F., Jeffries, R. D, 2000. Accepted by *33rd ESLAB Symposium Star Formation from the Small to the Large Scale* F. Favata and A. Kass eds.

Abstracts:

Outflows from Very Low Mass Companions: Possibility and Implications, Wolk, S.J. and S.C. Beck 1989. *B.A.A.S.* **21**, 1085.

How Naked are Naked T Tauri Stars?, Wolk, S.J., S. Maurice, and F.M. Walter 1990. *B.A.A.S.* **22** 1254.

Epsilon Aurigae: A Proving Ground for Dynamical Disk Models, Wolk, S.J., J.J. Lissauer, D.E. Backman and C.A. Griffith 1992. *B.A.A.S.* **24** 771.

Simultaneous HST/GHRS + IUE + NSO/McMath Spectra of AR Lacertae in December 1991 , Neff, J.E., F.M. Walter, S.J. Wolk, I.Pagano 1992. *B.A.A.S.* **24** 1224.

A Most Highly Unusual X-ray-Variable Cataclysmic Variable, Walter, F.M., S.J. Wolk, N. Adams and S.Zoonematkermani 1994. *B.A.A.S.* **26** .

An X-Ray Bright Naked Neutron Star near the CrA Molecular Cloud?, Walter, F.M. and S.J. Wolk 1994. – presented to HEAD.

Rotational Periods of Naked T Tauri Stars in Orion, Wolk, S.J. and F.M. Walter 1995. *B.A.A.S.* **26** 1224.

Rotational Studies of Naked T Tauri Stars, Wolk, S.J. 1995. *B.A.A.S.* **27** 1328.

	Rotational Studies of Naked T Tauri Stars, Neuhuser, R., G. Torres, S. Wolk, S. Frinkand and M. Sterzik *Astron. Ges., Abstr. Ser.* **13** 183.
Abstracts (continued):	**Searching for Clustering of Low Mass Pre-main Sequence Stars in the Orion OB1b Sub-Association**, Sherry, W., Walter, F.M. Wolk, S.J. 1999. *B.A.A.S.* **194** 6814.
	Chandra Observations of NGC2516 -I The Data, Wolk, S.J., Adams, N. R., Drake, J. J., Evans, N. R., Freeman, P., Harnden, F. R. Jr., Kashyap, V., Schachter, J. F., Patten, B. M., Stauffer, J., Flaccomio, E., Pizzolato, N., Damiani, F., Micela, G., Sciortino, S., Favata, F., Jeffries, R. D, 2000. *B.A.A.S.* **195** 4704.
	Chandra Observations of NGC2516 -II Interpretation, Harnden, F. R. Jr., Adams, N. R., Drake, J. J., Evans, N. R., Freeman, P., Kashyap, V., Schachter, J. F., Wolk, S.J., Patten, B. M., Stauffer, J., Flaccomio, E., Pizzolato, N., Damiani, F., Micela, G., Sciortino, S., Favata, F., Jeffries, R. D, 2000. *B.A.A.S.* **195** 4704.
Images:	**M64: The Black-eye Galaxy** Wolk, S.J., 1995. *CCD Astronomy*, **2**, 45.
PROFESSIONAL SOCIETIES:	American Astronomical Society –HEAD/DPS Astronomical Society of the Pacific
PERSONAL DATA:	Date of Birth — May 23, 1966 Place of Birth — Cleveland, Ohio Citizenship — U.S.A.
REFERENCES:	Prof. Frederick Walter, Dept. of Physics and Astronomy, SUNY, Stony Brook, NY, 11794 (516) 632-8232 fwalter@astro.sunysb.edu
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	Dr. Harvey Tananbaum, Harvard–Smithsonain Center for Astrophysics, Cambridge, MA, 02138 (617) 495-7248 ht@cfa.harvard.edu