

NOAO Preprint Series

The following preprints were submitted during the period December 2000 through early February 2001. Please direct all requests for copies of preprints to the NOAO author marked.

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|-----|---|-----|---|
| 886 | Bower, G.A., *Green, R.F., Bender, R., Gebhardt, K., *Lauer, T.R., et al., "Evidence of a Supermassive Black Hole in the Galaxy NGC 1023 from the Nuclear Stellar Dynamics" | 888 | *Pilachowski, C.A., "The Old Giants in Globular Clusters" |
| 887 | Povich, M.S., Giampapa, M.S., Valenti, J.A., Tilleman, T., *Barden, S., Deming, D., *Livingston, W.C., Pilachowski, C., "Limits on Line Bisector Variability for Stars with Extrasolar Planets" | 889 | *Keller, C.U., "Instrumentation for Astrophysical Spectropolarimetry" |

Other NOAO and NSO Papers

Preprints that were not included in the NOAO preprint series but are available from staff members are listed below.

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| Antia, H.M., Basu, S., *Hill, F., Howe, R., Komm, R.W., Schou, J., "Solar-Cycle Variation of the Sound-Speed Asphericity from GONG and MDI Data 1995-2000" | Doyle, J.G., Jevremovic, Short, C.I., Hauschildt, P.H., *Livingston, W.C., Vince, I., "The Mn I 5432/5395 Å Line Formation Explained" |
| Beck, J.G., Ulrich, R.K., *Hill, F., Bogard, R.S., "Supergranule Lifetime and Angular Momentum Transport" | Gonzalez, D., Olofsson, H., *Schwarz, H.E., Eriksson, K., Gustafsson, B., "Imaging of Detached Shells around the Carbon Stars R Scl and U Ant through Scattered Stellar Light" |
| Berdyugina, S.V., Frutiger, C., Solanki, S.K., *Livingston, W.C., "The Molecular Zeeman Effect and Solar Magnetic Fields" | Haber, D.A., Hindman, B.W., Toomre, J., Bogart R.S., *Hill, F., "Daily Variations of Large-Scale Subsurface Flows and Global Synoptic Flow Maps from Dense-Pack Ring-Diagram Analyses" |
| *Blum, R. D., Damineli, A., Conti, P.S., "The Stellar Content of Obscured Galactic Giant HII Regions III: W31" | *Hill, F., "The Virtual Solar Observatory" |
| Corradi, R.L.M., *Schwarz, H.E., "Spatially Resolved Spectroscopy of the Outflow from the Symbiotic Mira RX Pup" | *Hill, F., Erdwurm, W., Branston, D., McGraw, R., "The National Solar Observatory Digital Library – A Resource for Space Weather Studies" |

Publications

*Hill, F., Ladenkov, O., Ehgamberdiev, S., Chou, D.-Y., "High-Frequency Multi-Wavelength Acoustic Power Maps"

*Hoard, D.W., *Wachter, S., Kim-Quijano, J., "Optical Photometry of the Double-Lined Cataclysmic Variable Phoenix 1"

*Howe, R., Hill, F., Komm, R.W., Christensen-Dalsgaard, J., Munk Larsen, R., Shou, J., Thompson, M.J., Toomre, J., "Interior Solar-Cycle Changes Detected by Helioseismology"

Jensen, J.B., Tonry, J.L., Thompson, R.I., Ajhar, E.A., *Lauer, T.R., Rieke, M.J., Postman, M., Liu, M.C., "The Infrared Surface Brightness Fluctuation Hubble Constant"

*Komm, R.W., Howe, R., Hill, F., "Width and Energy of Solar P-Modes Observed by GONG"

*Komm, R.W., Howe, R., Hill, F., "The Solar Cycle Is More Than Skin Deep!"

*Komm, R.W., Howe, R., Hill, F., "Background Amplitudes of Solar P-Modes Observed by GONG"

*Komm, R.W., Howe, R., Hill, F., "Exploring Time Series Analysis Techniques"

*Komm, R.W., Howe, R., Hill, F., "Width and Energy of Solar P-Modes Observed by GONG 1995-1999"

*Livingston, W.C., Berdyugina, S., "Umbral Spectra in the Ultraviolet via Molecular V-Stokes"

Nowotny, W., Kerschbaum, F., *Schwarz, H.E., Olofsson, H., "A Census of AGB-Stars in Local Group Galaxies. I. Photometry of a Field in M 31"

Nowotny, W., Kerschbaum, F., *Schwarz H.E. "A Search for AGB Stars in Local Group Galaxies"

Peterson, R.C., Terndrup, D.M., Sadler, E.M., *Walker, A.R., "Hot Horizontal Branch Stars in the Galactic Bulge. I."

Rhode, K.L., Zepf, S.E., "The Globular Cluster system in the Outer Regions of NGC 4472"

Romano, L.M., Corradi, M.L., Balick, B., Munari, U., *Schwarz H.E. "The Southern Crab from a New Perspective"

Scherb, F., Smyth, W.H., Freed, M.E., Woodward, R.C. Jr., Marconi, M.L., Lupie, O.L., Morgenthaler, J.P., "Sunlit Io Atmospheric [O I] 6300 Å Emission and the Plasma Torus"

Stenflo, J.O., Gandorfer, A., Wenzler, T., *Keller, C.U., "Influence of Magnetic Fields on the Coherence Effects in the Na, D, and D₂ Lines"