

PREPRINTS FROM NASA OBSERVERS

Since this first list is retroactive to the earliest papers, many of them have already been published. Future Newsletters will only list current preprints. Reprints of the first eight papers in Nature may be obtained from Albert Boggess. For copies of all other papers, please contact the authors directly.

"The IUE Spacecraft and Instrumentation"

A. Boggess, F. A. Carr, D. C. Evans, D. Fischel, H. R. Freeman, C. F. Fuechsel, D. A. Klinglesmith, V. L. Krueger, G. W. Longanecker, J. V. Moore, E. J. Pyle, F. Rebar, K. O. Sizemore, W. Sparks, A. B. Underhill, H. D. Vitagliano, D. K. West, F. Macchetto, B. Fitton, P. J. Barker, E. Dunford, P. M. Gondhalekar, J. E. Hall, V. A. H. Harrison, M. B. Oliver, M. C. W. Sandford, P. A. Vaughan, A. K. Ward, B. E. Anderson, A. Boksenberg, C. I. Coleman, M. A. J. Snijders and R. Wilson, 1978, Nature, 275, 372.

"In-Flight Performance of the IUE"

A. Boggess, R. C. Bohlin, D. C. Evans, H. R. Freeman, T. R. Gull, S. R. Heap, D. A. Klinglesmith, G. R. Longanecker, W. Sparks, D. K. West, A. V. Holm, P. M. Perry, F. H. Schiffer III, B. E. Turnrose, C. C. Wu, A. L. Lane, J. L. Linsky, B. D. Savage, P. Benvenuti, A. Cassatella, J. Clavel, A. Heck, F. Macchetto, M. V. Penston, P. L. Selvelli, E. Dunford, P. Gondhalekar, M. B. Oliver, M. C. W. Sandford, D. Stickland, A. Boksenberg, C. I. Coleman, M. A. J. Snijders and R. Wilson, 1978, Nature, 275, 377.

"IUE Observations of Hot Stars: HZ43, BD+75<sup>0</sup>325, NGC6826, SS Cygni,  $\eta$  Carinae"  
S. R. Heap, A. Boggess, A. Holm, D. A. Klinglesmith, W. Sparks, D. West, C. C. Wu, A. Boksenberg, A. Willis, R. Wilson, F. Macchetto, P. L. Selvelli, D. Stickland, J. L. Greenstein, J. B. Hutchings, A. B. Underhill, R. Viotti and J. A. J. Whelan, 1978, Nature, 275, 385.

"IUE Observations of Cool Stars:  $\alpha$  Aurigae, HR1099,  $\lambda$  Andromedae, and  $\epsilon$  Eridani"

J. L. Linsky, T. R. Ayres, G. S. Basri, N. D. Morrison, A. Boggess, F. H. Schiffer III, A. Holm, A. Cassatella, A. Heck, F. Macchetto, D. Stickland, R. Wilson, C. Blanco, A. K. Dupree, C. Jordan and R. F. Wing, 1978, Nature, 275, 389.

"IUE Observations of the Interstellar Medium"

M. Grewing, A. Boksenberg, M. J. Seaton, M. A. J. Snijders, R. Wilson, A. Boggess, R. C. Bohlin, P. M. Perry, F. H. Schiffer III, P. M. Gondhalekar, F. Macchetto, B. D. Savage, E. B. Jenkins, H. M. Johnson, M. Perinotto and D. C. B. Whittet, 1978, Nature, 275, 394.

"IUE Observations of X-Ray Sources: HD153919(4U1700-37), HDE226868 (Cyg X-1), HZ Her (Her X-1)"

A. K. Dupree, R. J. Davis, H. Gursky, L. W. Hartmann, J. C. Raymond, A. Boggess, A. Holm, Y. Kondo, C. C. Wu, F. Macchetto, M. C. W. Sandford, A. J. Willis, R. Wilson, F. Ciatti, J. B. Hutchings, H. M. Johnson, J. Jugaku, D. C. Morton, A. Treves and E. P. J. van den Heuvel, 1978, Nature, 275, 400.

"The IUE Observations of Extragalactic Objects"

A. Boksenberg, M. A. J. Snijders, R. Wilson, P. Benvenuti, J. Clavell, F. Macchetto, M. Penston, A. Boggess, T. R. Gull, P. Gondhalekar, A. Lane, B. Turnrose, C. C. Wu, W. M. Burton, A. Smith, F. Bertola, M. Canaccioli, A. M. Elvius, R. Fosbury, M. Tarenghi, M. H. Ulrich, R. L. Hackney, C. Jordan, C. G. Perola, R. C. Roeder and M. Schmidt, 1978, *Nature*, 275, 404

"IUE Observations of Solar System Objects"

A. L. Lane, E. Hamrick, A. Boggess, D. C. Evans, T. R. Gull, Schiffer III, B. Turnrose, P. Perry, A. Holm, F. Macchetto, P. M. Gondhalekar, G. E. Hunt, R. Wilson, T. C. Owen, H. W. Moos, M. G. Tomasko, T. Gehrels, R. Conway and C. A. Barth, 1978, *Nature*, 275, 414

"Electron Densities in Stellar Atmospheres Determined from IUE Spectra"

G. A. Doschek, U. Feldman, J. T. Mariska and J. L. Linsky, 1978, *Ap. J.* 226, L35

"The Semi-torrid Gas Observed in the Direction of  $\gamma^2$  Velorum and the Gum Nebula"

F. C. Bruhweiler, Y. Kondo, and G. E. McCluskey, Jr., 1979, *Ap. J.*, 229, L39

"Outer Atmospheres of Cool Stars. I. The Sharp Division into Solar-Type and Non-Solar Type Stars"

J. L. Linsky and B. M. Haisch, 1979, *Ap. J.* 229, L27

"Detection of Acetylene in the Saturnian Atmosphere Using the IUE Satellite"

H. W. Moos and J. T. Clarke, 1979, *Ap. J.* 229, L107

"Ultraviolet Spectrophotometry of Degenerate Stars"

J. L. Greenstein and J. B. Oke, 1979, *Ap. J.* 229, L141

"IUE Observations of the Quasar 3C273"

A. Boggess, E. Daltabuit, S. Torres-Peimbert, F. B. Estabrook, H. D. Wahlquist, A. L. Lane, R. Green, J. B. Oke, M. Schmidt, B. Zimmerman, D. C. Morton and R. C. Roeder, *Ap. J.* 230, L131, 1979.

"IUE Spectra of the Nuclei of M31 and M32"

H. M. Johnson, *Ap. J.* 230, L137, 1979.

"IUE Low-Dispersion Spectra of Four Luminous Stars with Symmetric Nebulae"

H. M. Johnson

"Ultraviolet Observations of AM Herculis with IUE"

J. C. Raymond, J. H. Black, R. J. Davis, A. K. Dupree, H. Gursky and L. Hartmann, T. A. Matilsky, *Ap. J.* 230, L95, 1979

"IUE and Visual Spectrophotometry of 3C120 and Markarian 79"

J. B. Oke and B. Zimmerman

- "Ultraviolet Spectroscopic Measurements of Globular Clusters"  
A. K. Dupree, L. Hartmann, J. H. Black, R. J. Davis, T. A. Matilsky, J. C. Raymond,  
and H. Gursky, Ap. J. 230, L89, 1979
- "Observational Evidence for a Hot Gaseous Galactic Corona"  
B. D. Savage and K. S. de Boer, Ap. J. 230, L77, 1979
- "IUE Observations of Venus: Identification of the Ultraviolet Nightglow"  
P. D. Feldman, H. W. Moos, and J. T. Clarke
- "Outer Atmospheres of Cool Stars. II. IUE Spectra and Transition  
Region Models for Alpha Centauri A and B"  
T. R. Ayres and J. L. Linsky
- "On the Energy Distribution in Sirius B"  
E. Bohm-Vitense, T. Dettmann and S. Kapranidis
- "The Boundary Line in the HR Diagram for Stellar Chromospheres and the  
Theory of Convection"  
E. Bohm-Vitense and T. Dettmann
- "The Effective Temperature, Radius, Rate of Mass Loss and Luminosity of P Cygni,  
HD190603, Kappa Cassiopeiae and Rho Leonis"  
A. B. Underhill
- "Outer Atmospheres of Cool Stars. III. Mg II Flux Profiles and Chromospheric  
Radiative Loss Rates"  
G. S. Basri and J. L. Linsky
- "Outer Atmospheres of Cool Stars IV. A Discussion of Cool Stellar Wind  
Models"  
B. M. Haisch, J. L. Linsky and G. S. Basri
- "Chromospheres of the Active Dwarf Binaries EQ Peg and Xi Boo"  
L. W. Hartmann, R. Davis, A. K. Dupree, J. Raymond, P. C. Schmidtke and  
R. F. Wing
- "The Ultraviolet Spectrum of Comet Seargent 1978m"  
M. W. Jackson, J. Rahe, B. Donn, A. M. Smith, H. U. Keller, P. Benvenuti,  
A. H. Delsemme and T. Owen, 1979, Astron. Astrophys., 73. L7
- "Photometric Calibration of the International Ultraviolet Explorer (IUE):  
Low Dispersion", R. C. Bohlin, A. V. Holm, B. D. Savage, M. A. J. Snijders,  
W. M. Sparks
- "The International Ultraviolet Explorer Spectral Image Processing System"  
D. A. Klinglesmith III, P. M. Perry, and B. E. Turnrose, Proc. SPIE 172,  
279, 1979.
- "Discovery of Hot Components and Very Hot Plasmas in Six Peculiar Eclipsing  
Binaries"  
M. J. Plavec and R. H. Koch
-