

NASA APPROVED IUE PROGRAMS FOR THE THIRTEENTH YEAR

<u>PI NAME/TITLE</u>	<u>INSTITUTION</u>	<u>PROGID</u>
Dr. M. A'Hearn IUE Observations of Comets	U Maryland	SCMMA
Dr. T. Ake The Binary Hypothesis for Peculiar Red Giant Formation	CSC - GHRS	LGMTA
Dr. T. Ake The Eclipse of Gamma Persei	CSC - GHRS	EBMTA
Dr. B. Altner Spatially Resolved Spectroscopy of AG Carina	CSC - GHRS	LBMBA
Dr. C. Ambruster The Evolution of Coalescence: Spun Down FK Comae Stars	Villanova	FKMCA
Dr. T. Ayres The IUE/ROSAT Coronathon	U Colorado - CASA	CCMTA
Dr. T. Ayres Sleuthing the Dynamo II	U Colorado - CASA	CSMTA
Dr. S. Balachandran Chromospheric Activity in F and G Subgiants	SETS, Inc.	CCMSB
Dr. G. Basri Temperatures of Hot DA White Dwarfs	UC Berkeley	DAMGB
Dr. G. Basri Observations of Photospheric Activity in Cool Dwarfs	UC Berkeley	LDMGB
Dr. K. Bjorkman IUE Observations of Selected Hot Stars Coordinated with WUPPE	U Wisconsin	HSMKB
Dr. W. Blair UV Observations of the Cygnus Loop Based on Voyager Data	Johns Hopkins	SNMWB
Dr. K. Bohm Variability and Shock Instabilities in Herbig-Haro Objects	U Washington	HHMKB
Dr. E. Bohm-Vitense UV Extinction Law and CIV, SiIV Column Densities in NGC 6530	U Washington	IMMEB
Dr. H. Bond A Search for Binary Nuclei of Planetary Nebulae	ST Sci	BNMHB
Dr. J. Bookbinder Rapid Variability of the MG II Line Profiles of the MIRA S Carina	Harvard SAO - CFA	MGMJB
Dr. J. Bookbinder Stellar Flares on Ad Leo: Multiband Observations	Harvard SAO - CFA	FSMJB
Dr. B. Bopp UV Observations of Interacting F + B(E) Binary Star Systems	U Toledo	IBMBB

<u>PI NAME/TITLE</u>	<u>INSTITUTION</u>	<u>PROGID</u>
Dr. C. Bowyer A Search for Orbital Modulation in Quiescent Dwarf Novae	UC Berkeley	NOMSB
Dr. A. Brown Long-Term MG II Variability of Hybrid-Chromosphere Stars	U Colorado - JILA	CCMAB
Dr. A. Brown Hi-Res IUE Observations of HD 104237, The Brightest Herbig Ae Star	U Colorado - JILA	HAMAB
Dr. D. Brown Spatial Variation of UV Extinction in the Orion OB1 Association	U Washington	ISMDB
Dr. E. Brugel Miras and RV Tauri Stars: Shock Waves and Pulsation-Related Mass Loss	U Colorado - CASA	RVMEB
Dr. F. Bruhweiler Extranuclear Regions in Nearby Seyfert Galaxies	Catholic University	SGMFB
Dr. F. Bruhweiler Studying the Soft X-ray Excess and the UV Bump in AGNs with IUE/ROSAT	Catholic University	AGMFB
Dr. F. Bruhweiler Search for Lyman-alpha and Chromospheric Emission in A and F Stars	Catholic University	CCMFB
Dr. F. Bruhweiler Probing the Local Interstellar Void and The Future of EUV Astronomy	Catholic University	ISMFB
Dr. D. Burstein UV Energy Distributions of Mildly-Star-Forming Early-Type Galaxies	Arizona State	EGMDB
Dr. J. Cardelli Low Density Extinction in the Disk and Halo	U Wisconsin	IMMJC
Dr. J. Cardelli UV Emission-Lines in an "Edge-on" I-Front	U Wisconsin	NSMJC
Dr. A. Caulet Probing the IS Gas of the Superbubble LMC2	NASA - GSFC	ISMAC
Dr. S. Chakrabarti IUE Observations of Earth's Aurora	UC Berkeley	SEMSC
Dr. J. Clarke Dopper-shifted H Ly alpha Emissions from Jupiter's Aurora and Equator	U Michigan	SJMJC
Dr. J. Clarke Simultaneous IUE and ROSAT Observations of Jupiter's Aurora	U Michigan	SAMJC
Dr. J. Clarke Saturn's Aurora at Solar Maximum	U Michigan	SSMJC
Dr. P. Conti Wolf-Rayet Stars of WC TType	U Colorado - CASA	WRMPC
Dr. M. Corcoran The Wind from EM Car	NASA - GSFC	MBMMC

<u>PI NAME/TITLE</u>	<u>INSTITUTION</u>	<u>PROGID</u>
Dr. M. Corcoran Coordinated UV and X-ray Monitoring of O Star Winds II	NASA - GSFC	OBMCM
Dr. D. Crenshaw Simultaneous IUE and GHRS Observations of Seyfert 1 Galaxies	NASA - GSFC	AGMDC
Dr. A. Danks A Study of the Stellar Population in Selected SO Galaxies	ARC	EGMAD
Dr. L. Danly IUE Observations of a Galactic Loop	ST Sci	IGMLD
Dr. K. Davidson UV Spectroscopy of Four Critical LBV's in Carina	U Minnesota	LBMKD
Dr. J. Drilling UV Spectroscopy of MV Sgr	Louisiana State University	RCMJD
Dr. R. Dufour Shell Edges of Nearby Planetary Nebulae	Rice University	PNMRD
Dr. A. Dupree Pulsation-Driven Wind From a Yellow Supergiant	Harvard SAO - CFA	CSMAD
Dr. A. Dupree Alpha Ori: A Case Study	Harvard SAO - CFA	LSMAD
Dr. J. Eaton Zeta-Aurigae Binaries with M Giants: Delta Sagittae Et AL II	Tennessee State	ZAMJE
Dr. J. Eaton Long-Term Observations of 31 Cygni	Tennessee State	IBMJE
Dr. R. Edelson Two Complete Active Galaxy Samples: The 12 Micron and CFA Seyfert 1S	U Colorado - CASA	AGMRE
Dr. N. Evans Cepheid Binary Companions	CANADA	BCMNE
Dr. N. Evans Red Giant Binaries in Clusters	CANADA	SBMNE
Dr. N. Evans The Mass of the Cepheid SU Cygni	CANADA	DCMNE
Dr. W. Feibelman High and Low Dispersion Observations of Cn1-2	NASA - GSFC	ZAMWF
Dr. W. Feibelman Hi-Res Study of PN-Nuclei of Extremely High Temperature & Low Luminosity	NASA - GSFC	PNMWF
Dr. P. Feldman Observations of Comets with the IUE	Johns Hopkins	SCMPF
Dr. P. Frisch Small Scale Structure in the Interstellar Matter Towards Zeta Oph	U Chicago	IMMPF

<u>PI NAME/TITLE</u>	<u>INSTITUTION</u>	<u>PROGID</u>
Dr. C. Garmany B Supergiants in the Large Magellanic Cloud	U Colorado - CASA	OBMCG
Dr. C. Gaskell A Combined IUE-ROSAT Investigation of Select Seyfert 1 Galaxies	U Michigan	AGMCG
Dr. C. Grady Coordinated IUE and ROSAT Observations of Be Stars	Catholic University	BEMCG
Dr. R. Green Lyman Continua and Absorption Systems in Bright High Redshift Quasars	KPNO	QSMRG
Dr. R. Green Simultaneous ROSAT and IUE Observations of Quasars	KPNO	AGMRG
Dr. E. Guinan Activity Cycles in Stars with Highly Active Chromospheres	Villanova	RSMEG
Dr. E. Guinan Magnetic Activity of the Sun in Time	Villanova	SAMEG
Dr. B. Haisch The Corona-Transition Region Relationship in Evolved Stars	Lockheed	CCMBH
Dr. J. Halpern IUE and ROSAT Monitoring of the Bright QSO H1821+643	Columbia University	QSMJH
Dr. S. Heap Direct Evidence for Stellar Evolution: The Central Star of NGC 2392	NASA - GSFC	PNMSH
Dr. P. Hodge Ultraviolet Colors of Young LMC Clusters	U Washington	MCMPH
Dr. P. Hodge Galaxies Behind the Magellanic Clouds	U Washington	EGMPH
Dr. J. Holberg Central Stars Detected in the Soft X-Ray	U Arizona	XSMJH
Dr. A. Holm Searching for the White Dwarf in Dwarf Novae	CSC - ST ScI	WDMAH
Dr. D. Huenemoerder Fixed-Phase Variability in RS CVn Stars	Penn State	RSMDH
Dr. C. Imhoff The 2200A Extinction Feature in the Taurus Dark Clouds	CSC - IUE Observatory	IMMCI
Dr. P. Judge Understanding the Circumstellar Shell of the Carbon Star TX Psc	U Colorado - JILA	CSMPJ
Dr. P. Judge The MIRA/Semi-Regular Connection	U Colorado - JILA	LGMPJ
Dr. M. Jura In Search of Possible Companions to Three Anomalous Carbon Stars	UC LA	HCMMJ

<u>PI NAME/TITLE</u>	<u>INSTITUTION</u>	<u>PROGID</u>
Dr. M. Kafatos Observations of Symbiotic Stars	George Mason University	ZAMMK
Dr. M. Karovska Coordinated IUE and Speckle Observations of the MIRA AB System	Harvard SAO - CFA	LGMMK
Dr. W. Keel Comparison of Nearby and Very-High-Redshift Radio Galaxies	U Alabama	RGMWK
Dr. S. Kenyon HE II Emission in T Tauri Stars	Harvard SAO - CFA	TTMSK
Dr. R. Kirshner Supernova Spectroscopy	Harvard SAO - CFA	SNMRK
Dr. D. Koester UV Observations of the New, Very Hot DA White Dwarf HS1234+4811	Louisiana State Universit	WDMDK
Dr. D. Koester PN G327.7-05.5: A New Planetary Nebula	Louisiana State Universit	PNMDK
Dr. T. Kreidl Rapid Spectrophotometric UV Variations of 21 Com, Unique Among Ap Stars	Lowell Observatory	APMTK
Dr. S. Lamb UV Spectroscopy of Massive Young Stellar Populations in Interacting Galaxies	U Illinois	AGMSL
Dr. R. Levreault UV Observations of the "High" State of Z Canis Majoris	Wesleyan University	FUMRL
Dr. J. Linsky A Three Dimensional Picture of RS CVN Stellar Atmospheres	U Colorado - JILA	RSMJL
Dr. D. Luttermoser Fluorescent Clues to the Atmospheric Shock Structure of Cool, Variable Stars	U Colorado - JILA	LGMDL
Dr. A. Magalhaes Dust in the Small Magellanic Cloud	U Wisconsin	ISMAM
Dr. M. Malkan Multi-Wavelength Variability of Ecliptic Pole Active Galactic Nuclei	UC LA	AGMMM
Dr. S. Maran High Temperature Planetary Nebulae in the Magellanic Clouds	NASA - GSFC	PNMSM
Dr. T. Marsh The Ultraviolet Flux from the Eclipsing Binary, PG1550+131	ST Sci	EBMTM
Dr. D. Massa A Survey of Interstellar Gas Inside the 3 KPC Arm	ARC	IMMDM
Dr. D. Meyer Small-Scale Structure in the Interstellar Medium	Northwestern	ISMDM
Dr. A. Michalitsianos IUE Observations of Binary Star Clusters in the Large Magellanic Cloud	NASA - GSFC	MCMAM

<u>PI NAME/TITLE</u>	<u>INSTITUTION</u>	<u>PROGID</u>
Dr. A. Michalitsianos IUE Observations of the R Aquarii Jet and Counterjet	NASA - GSFC	RAMAM
Dr. H. Moos Excitation Processes and Aeronomy in the Jovian Upper Atmosphere	Johns Hopkins	SJMHM
Dr. H. Moos Io and The Plasma Torus	Johns Hopkins	SIMHM
Dr. H. Moos The UV Emissions from Saturn and Uranus	Johns Hopkins	SSMHM
Dr. J. Nichols-Bohlin Investigation of High-Velocity Gas Toward Wolf-Rayet Stars	CSC - Astronomy Programs	IGMJN
Dr. J. Nichols-Bohlin UV and Optical Covariability of O Star Winds	CSC - Astronomy Programs	OBMJN
Dr. M. Pena Research on Planetary Nebulae	MEXICO	PNMMP
Dr. G. Peters FUV Variability and Mass Loss in the "Rapid Variable" Be Stars	USC	BEMGP
Dr. G. Peters Mass and Angular Momentum Loss in the Interacting Binary AU Monocerotis	USC	IBMGP
Dr. G. Peters Wind and FUV Flux Variability in X-Ray Emitting Be Stars	USC	XBMGP
Dr. B. Peterson Spectral Energy Distribution in Mrk 590	Ohio State	AGMBP
Dr. M. Plavec EK Cephei: A Binary with A T Tauri Star?	UC LA	YBMMP
Dr. M. Plavec EO Aurigae: A Non-Conformist Binary	UC LA	DBMMP
Dr. M. Plavec UX Monocerotis: A Transition Between the Algols and the Serpentids?	UC LA	ALMMP
Dr. R. Polidan CNO Processing in Massive Algol Binaries	NASA - GSFC	IBMRP
Dr. R. Polidan Slow Rise Symmetrical Outbursts in SS Cyg	NASA - GSFC	DNMRP
Dr. J. Raymond Emission and Absorption Study of the Vela Supernova Remnant	Harvard SAO - CFA	SNMJR
Dr. J. Raymond The Eclipsing Intermediate Polar LB1800	Harvard SAO - CFA	XBMJR
Dr. G. Reichert UV and Optical Observations of Liners	CSC - GHRS	AGMGR

<u>PI NAME/TITLE</u>	<u>INSTITUTION</u>	<u>PROGID</u>
Dr. R. Remillard Luminous Symbiotic-Like Variable in the LMC	MIT	ZAMRR
Dr. R. Rich Ultraviolet Spectroscopy of Galactic Globular Clusters	Columbia University	GCMRR
Dr. S. Roby Elemental Abundances of the HGMN Stars MU Leporis and Upsilon Herculis	SUNY - Oswego	APMSR
Dr. R. Rubin Silicon and Carbon Abundances in the Orion Nebula	NASA - Ames	ENMRR
Dr. S. Saar Studies of Intermediate Activity M Dwarfs	Harvard SAO - CFA	DMSS
Dr. J. Sahade Discrete Absorption Components and Dynamics of Eclipsing Binaries	ARGENTINA	EBMJS
Dr. A. Schultz UV Spectroscopy of Starburst Regions in Selected Ring Galaxies	CSC - ST ScI	EGMAS
Dr. C. Seab Differential Extinction in Clusters and Associations	U New Orleans	ISMCS
Dr. J. Shaw FO Virginis	U Georgia	LBMJS
Dr. D. Shemansky A Search for Cometary Derived Atmosphere on the Moon	U Arizona	SMMDS
Dr. S. Shore Coordinated UV and X-Ray Studies of V444 Cygni	CSC - GHRS	WRMSS
Dr. C. Shrader X-ray Transients as Targets of Opportunity	CSC - IUE Observatory	XBMCS
Dr. J. Shull Absorption-Line Studies of Seyfert Galaxies	U Colorado - CASA	AGMJS
Dr. J. Shull UV Fluorescent Background from Interstellar Ions and H ₂	U Colorado - CASA	IMMJS
Dr. J. Shull High-Velocity Gas Along the SW Edge of the Monoceros Loop	U Colorado - CASA	IGMJS
Dr. T. Simon Activity Cycle of the Herbig Ae Star AB Aurigae	U Hawaii	HAMTS
Dr. T. Simon The Alpha Persei Cluster Revisited	U Hawaii	APMTS
Dr. T. Simon IUE Observations of Rapidly Rotating Giants	U Hawaii	LGMTS
Dr. T. Simon The Evolution of Chromospheric Activity of Solar Mass Stars	U Hawaii	LDMTS

<u>PI NAME/TITLE</u>	<u>INSTITUTION</u>	<u>PROGID</u>
Dr. E. Sion IUE Echelle Investigation of Two Peculiar Helium-Rich Degenerates	Villanova	WDMES
Dr. M. Smith Ultraviolet Variations and Physical Parameters of Two RED Supergiants	CSC - Astronomy Programs	LGMMS
Dr. T. Snow IUE Observations of Interstellar Lines Toward HD154368	U Colorado - CASA	ISMST
Dr. T. Snow IUE Observations of a New Outburst Phase in P Cygni	U Colorado - CASA	OBMTS
Dr. D. Soderblom Chromospheres and Transition Regions of Stars in the Ursa Major Group II	ST ScI	CCMDS
Dr. G. Sonneborn Continuing Ultraviolet Spectroscopy of SN 1987A	NASA - GSFC	SNMGS
Dr. S. Starrfield Target of Opportunity Observations of Classical and Recurrent Novae	Arizona State	NOMSS
Dr. S. Starrfield Late Stages in the Outburst of Classical Novae	Arizona State	CNMSS
Dr. S. Starrfield Target of Opportunity Observations of Galactic Novae in Outburst	Arizona State	NOMSS
Dr. R. Stencel Mapping the UV Circumstellar Nebulae of Cool Stars	U Colorado - CASA	CSMRS
Dr. R. Stencel IUE - ROSAT Observations of Symbiotic Binaries	U Colorado - CASA	ZAMRS
Dr. P. Szkody The Peculiar CVs FSV 1132-11 and S193	U Washington	CVMPS
Dr. T. Teays The Blazhko Effect	CSC - IUE Observatory	RRMTT
Dr. T. Teays Cepheid Temperatures	CSC - IUE Observatory	DCMTT
Dr. P. Thejll Gravities and Space Densities of O Subdwarfs	U Delaware	SDMPT
Dr. J. Thorstensen IUE Spectra of a Complete Sample of Cataclysmic Variables	Dartmouth College	CVMJT
Dr. C. Urry ROSAT-Coordinated IUE Observations of Superluminal Radio Sources	ST ScI	RGMCU
Dr. R. Wade Characterization of Three Short-Period Binary Stars Using IUE	KPNO	IBMRW
Dr. R. Wagener UV Variability of the Sun, Uranus and Neptune	SUNY - Stony Brook	SUMRW

<u>PI NAME/TITLE</u>	<u>INSTITUTION</u>	<u>PROGID</u>
Dr. J. Webb Observations of AGN During Outbursts	CSC - IUE Observatory	AGMJW
Dr. D. Welty UV Extinction in High Latitude Clouds	U Chicago	IMMDW
Dr. F. Wesemael Stratified Atmospheres in the DAB White Dwarfs	CANADA	DAMFW
Dr. B. Whitney Comprehensive Coverage of an R CrB Dust Ejection Cycle	Harvard SAO - CFA	RCMBW
Dr. D. Whittle Anisotropic Continuum Emission in Seyferts	U Virginia	SYMDW
Dr. B. Wilkes A First Complete View of the Big Blue Bump in Quasar Continua	Harvard SAO - CFA	AGMBW
Dr. B. Wills Polarization, Hot Dust and Broad Absorption Lines in IRAS QSO's	U Texas - Austin	IRMBW
Dr. L. Willson Asymptotic Giants with "Detached" Circumstellar Shells	Iowa State University	AGMLW
Dr. P. Winkler Circumstellar Material in the Puppis A Supernova Remnant	Middlebury College	SNMPW
Dr. A. Witt Scattering in the 2175 Angstrom Interstellar Extinction Feature	U Toledo	IMMAW
Dr. C. Wu Augmentation of the IUE Ultraviolet Spectral Atlas	CSC - ST Sci	SAMCW
Dr. F. Yusef-Zadeh Herbig Haro Streamers in Orion	Northwestern	PMMFY